



UNIVERSITY OF NATAL

GRADUATION/DIPLOMA CEREMONY

1989

SATURDAY 15 APRIL

10h00

PIETERMARITZBURG

OFFICERS

Chancellor: The Honourable R.N. Leon
Q.C., B.A., LL.B.(Natal)

Vice-Chancellor and Principal: P. de V. Booysen
M.Sc. Agric. (Natal), Ph.D. (California).

Chairman of Council: G.C. Cox
B.Com., LL.B. (Cape Town)

Deputy Vice-Chancellor and Vice-Principal: C. de B. Webb
B.A. (Hons) (Witwatersrand), H.O.D. (Pret.), M.A. (Cantab), F.R. Hist. S.

President of Convocation: J.M. Pet
Pr. Eng., B.Sc. Eng. (Natal), M.S.A.A.C.E.
Assisted by A.J. Dickson B.A., LL.B. (Natal)

Orator: C.O. Gardner
B.A. Hons. (Natal), M.A. (Oxon)

Registrar: B.X. de Wet
M.A. (Pret.), D. Litt. et Phil. (Unisa), H.E.D. (Pret.)

DEANS OF FACULTIES

Agriculture: W.J. Stielau
M.Sc. Agric. (Natal), Ph.D. (California)

Science: M.R. Perrin
B.Sc. (Hons) (London), Ph.D. (Exeter), MI Biol. F.L.S.

PROGRAMME

THE CHANCELLOR CONSTITUTES THE CONGREGATION

PRAYER

R.B. Nicolson
B.A. (Hons), Ph.D. (Natal), D.T.E. (Unisa)

WELCOME TO GUESTS

The Vice-Chancellor

PRESENTATION OF FELLOWS OF THE UNIVERSITY OF NATAL

The Deans of Faculties

PRESENTATION OF DOCTORAL GRADUANDS

The Deans of Faculties

INTRODUCTION OF GUEST SPEAKER

Orator

ADDRESS

Mr G.F. Walker C.A. (S.A.)

THE UNIVERSITY CHOIR

Conductor: M. Lambert

B.A. (Hons), M.A. (Natal), S.T.D. (Cape Town)

Ave Maria J. Arcadelt (c. 1504–1567)

Odi et Amo (from the poems of Catullus) C. Orff (1895–1982)

PRESENTATION OF GRADUANDS AND DIPLOMATES

The Deans of Faculties

THE CHANCELLOR DISSOLVES THE CONGREGATION

The congregation is requested to stand while the academic procession enters and leaves the hall and to remain seated until the conclusion of the ceremony.

Only officially authorised persons are permitted
to take photographs during the ceremony.

All present are invited to partake
of refreshments in the Marquee at the conclusion of the ceremony.

FELLOWS OF THE UNIVERSITY OF NATAL

(see page 12)

FACULTY OF SCIENCE

Drewes, Siegfried Ernst, D.Sc. (Natal), Ph.D. (Rhodes), C.Chem. FRSC.

Awarded for distinguished contributions in the field of natural product chemistry.

Haines, Raymond John, M.Sc. (Natal), Ph.D. (London).

Awarded for distinguished contributions in the field of organometallic chemistry.

van Staden, Johannes, M.Sc. (Stell.), Ph.D. (Natal).

Awarded for distinguished contributions in the field of plant physiology.

DOCTORAL GRADUANDS

DOCTOR OF PHILOSOPHY IN THE FACULTY OF AGRICULTURE

	<i>Discipline</i>
Crichton , James Spencer, B.Sc. Agric.	Animal Science
Thesis: Testing the libido of breeding sires to predict mating performance in the field and the hormonal control of male sexual behaviour.	
Smith , Albert, M.Sc. Agric. (Pret)	Genetics
Thesis: The development of a white clover for use in the eastern high potential areas of South Africa.	

DOCTOR OF PHILOSOPHY IN THE FACULTY OF SCIENCE

	<i>Discipline</i>
Akhurst , Edward Gordon John, B.Sc. (Hons)	Botany
Thesis: The regulation of Phytoplankton productivity in a shallow, turbid, oligotrophic lake.	
Alt , Jennifer Mary, M.Sc. (Cape Town)	Psychology
Thesis: Shame and Guilt: A comparative study of two groups.	
Brand , Maja, B.Sc. (Hons)	Chemistry
Thesis: A symmetric synthesis of B-Hydroxy Acrylates.	
Brown , Christopher Justin, B.Sc. (Hons)	Zoology
Thesis: A study of the bearded vulture <i>Gypaetus Barbatus</i> in Southern Africa.	
Ferreira , Johan Francois, M.Sc. (Stell)	Microbiology/Plant Pathology
Thesis: A study on the ultrastructure and control of the <i>Gladiolus</i> rust pathogen, <i>uromyces transversalis</i>	
King , Richard Anthony, B.Sc. (Hons)	Botany
Thesis: The role of Cytokinins in the regulation of apical dominance in <i>Pisum sativum</i> .	
Maddock , Anthony Hamilton, M.Sc. (Rhodes)	Zoology
Thesis: Resource Partitioning in a viverrid assemblage.	
O'Neill , Deirdre Frances, M.A. (Sheffield)	Psychology
Thesis: The role of the shop steward in South African industrial relations.	
Osborne , Roy, M.Sc.	Botany
Thesis: An investigation into in vitro culture and phytochemical aspects of some members of the order Cycadales.	
Versfeld , John Adrian, B.Sc. (Hons) (Cape Town)	Geology
Thesis: The geology of the Nondweni greenstone belt, Natal.	
Wilson , Philip John, M.For.Sci. (Canterbury, N.Z.)	Botany
Thesis: Adventitious rooting in stem cutting of <i>Eucalyptus Grandis</i> Hill ex Maid.	

GRADUANDS

MASTER OF SCIENCE IN AGRICULTURE

	<i>Discipline</i>
Alcock , Charmaine Marie, B.Sc. (Hons) (U.P.E.)	Grassland Science
Thesis: Defoliation responses of Coastcross II and <i>Digitaria Eriantha</i> .	
Barnes , Glen Robin, B.Sc. Agric.	Grassland Science
Thesis: Acid soil effects on above and below ground growth and development of the establishing lucerne plant.	
Bradford , Michel Mark Villet, B.Sc.Agric.	Animal Science
Thesis: Choice feeding in growing pigs.	
Cairns , Robert Ian, B.Sc.Agric.	Grassland Science
Thesis: Agricultural production in a rural community in KwaZulu.	
Comrie , Andrew George, B.Sc.Agric.	Horticultural Science
Thesis: The effect of seedsize, sowing density and partial defoliation of seedlings on the growth, yield and quality of onions (<i>Allium cepa</i> L.) in the Western Cape.	
* Ferguson , Neil Stuart, B.Sc. Agric.	Animal Science
Thesis: An approach to modelling feed intake, body composition and nutrient requirements in growing pigs.	
Gower-Jackson , Susan, B.Sc.Agric.	Crop Science
Thesis: Evaluation of the growth regulator mixtalol on maize (<i>Zea Mays</i> L.), soybeans (<i>Glycine Max</i> L.) and wheat (<i>Triticum Aestivum</i> L.) under different levels of fertility.	
Hefer , Graham Daniel, B.Sc.Agric. (Hons)	Grassland Science
Thesis: The effects of liquid urea ammonium nitrate fertiliser on dryland Kikuyu and Coastcross II pastures.	
* Hobson , Felix Oliver, B.Sc.Agric.	Grassland Science
Thesis: Towards a technique to measure utilization of Karoo Bushes.	
Hurt , Charles Richard, B.Sc.Agric.	Grassland Science
Thesis: The relationship between range condition score long-term stocking rates applied to two vegetation types in Natal.	
Jacobs , Gavin Richard, B.Sc.Agric.	Biochemistry
Thesis: A study of mammary tumour-associated antigens.	
Jarvie , Eric Michael, B.Sc.Agric.	Agricultural Economics
Thesis: An economic analysis of factors influencing participation in crop insurance in South Africa.	
Khuvutlu , Israel Ndhuma, B.Sc.Agric. (Fort Hare)	Soil Science
Thesis: Laboratory measurement of soil water potential using thermocouple soil hygrometers.	
Kleyn , Frederik James, B.Sc.Agric.	Animal Science
Thesis: An application of the systems approach to egg production.	
Klug , John Robert, B.Sc.Agric.	Grassland Science
Thesis: Dry matter production patterns in the Southern tall grassveld of Natal.	
Mappledoram , Bryan Desmond	Grassland Science
Thesis: The reinforcement of highveld sourveld with Cocksfoot.	
Pearson , Heather Gail, B.Sc.Agric.	Animal Science
Thesis: Augmentation of luteal function in the lactating ewe after induced ovulation with a gonadotropin releasing hormone.	
Priday , Anthony John, B.Sc. (Forest) (Stell)	Grassland Science
Thesis: Statistical modelling of fuel loads for development of a fire management strategy in the Natal Drakensberg.	

- Robertson, Bruce James, B.Sc.Agric.** Agricultural Economics
Thesis: An economic study of farm labour in the Lions River, Lower Tugela
and Elliot Magisterial Districts.
- * **Stanger, Terence Keith, B.Sc.Agric.** Genetics
Thesis: Evaluation of elite maize inbreds as sources of favourable alleles for
the improvement of quantitative traits.
- Staveley, Grant William, B.Sc.Agric.** Horticultural Science
Thesis: Effects of temperature, moisture stress, nitrogen levels and rootstock
on the growth and flowering of *passiflora edulis* Sims.
- * **Turner, John Robert, B.Sc.Agric.** Grassland Science
Thesis: Towards the development of a grazing capacity model for the drier grazing
areas of Natal.
- * Degree awarded cum laude

MASTER OF AGRICULTURAL MANAGEMENT

- Discipline*
- Gibbs, Anthony Paul Gordon, B.Agric.Mgt. (Hons)** Agricultural Economics
Thesis: An economic evaluation of the developmental impact of
agricultural credit schemes in KwaZulu.

MASTER OF SCIENCE

- Discipline*
- Aveling, Theresa Ann Sheila, B.Sc. (Hons)** Microbiology/Plant Pathology
Thesis: Resistance/susceptibility phenomena in the Avocado — *Phytophthora*
Cinnamomi interaction.
- Boelhouwers, Jan Cornelius, B.Sc. (Hons)** Geography
Thesis: Geomorphological mapping of a part of the Giant's Castle Game
Reserve Natal Drakensberg.
- Boyer, David Charles, B.Sc.Agric. (Hons) (London)** Zoology
Thesis: Effect of rodents on plant recruitment and production in the dune
area of the Namib Desert.
- Bruorton, Michael Russell, B.Sc. (Hons)** Zoology
Thesis: A comparative morphological and physiological examination of the
gastrointestinal tracts of Vervet and Somango monkeys.
- * **Buchan, Alastair James Charles, B.Sc. (Hons)** Natural Resources
Thesis: Studies of the management of grazing resources on the Makatini flats
and Pongola River floodplain.
- * **Elliott, Edith, B.Sc. (Hons)** Biochemistry
Thesis: A study of methods for the ultra-structural location of tumour antigens.
- * **Fowlds, Diane Lyn, B.Sc. (Hons) (Cape Town)** Botany
Thesis: Studies on selected *Pavlova* species from Natal coastal waters.
- * **Hamer, Michelle Luane, B.Sc. (Hons)** Zoology
Thesis: Studies on the Phyllopod fauna of ephemeral pools in North-eastern Natal.

- Hemingway**, Maxine Juliet, B.Sc. (Hons) Chemistry
Thesis: The synthesis of Novel Pentenyne.
- Hosten**, Paul Eric, B.Sc. (Hons) (Rhodes) Botany
Thesis: Effluent treatment using a man-made wetland.
- * **Hurly**, Richard Francis, B.Sc.Agric Botany
Thesis: Stimulation of Guayule (*Parthenium Argentatum* Gray) seed germination and seedling development.
- Khan**, Abdullah Ali, B.Sc. (Hons) Chemistry
Thesis: Synthetic intermediates from Novel Carbonyl reactions.
- Maharaj**, Sanjay Balkishore, B.Sc. (Hons) Microbiology/Plant Pathology
Thesis: Studies on the citrus vein enation virus.
- Malissar**, Dean Graham Shane, B.Sc. (Hons) Chemistry
Thesis: Synthetic and mechanistic studies on Alkynes.
- Nanni**, Rupert Frederick, B.Sc. (Hons) Zoology
Thesis: The interaction of Mole-Rats (*Georychus capensis* and *Cryptomys hottentotus*) in the Nottingham Road region of Natal.
- Nuttall**, Richard Jolyon, B.Sc. (Hons) Zoology
Thesis: A comparison of sex-related and other social behaviour patterns in some monomorphic and dimorphic estrildids.
- Rix**, Lesley Anne, B.Sc. (Hons) Chemistry
Thesis: Dinuclear diphosphazine derivatives of Cobalt.
- Sleigh**, David Wallace, B.Sc. (Hons) Geology
Thesis: The geology of the Archaean terrane in the Piet Retief District, Transvaal.
- * **Slinger**, Jill Hillary, B.Sc. (Hons) Mathematics
Thesis: A mathematical modelling approach to effective flood management of a freshwater wetland and associated pastoral system.
- Smith**, Debra Helen, B.Sc. (Hons) (Witwatersrand) Microbiology/Plant Pathology
Thesis: A study of the Baculoviruses of *Cacoecia Occidentalis* and *Kotochalia Junodi*.

* Degree awarded with distinction

BACHELOR OF SCIENCE IN AGRICULTURE (HONOURS)

	Discipline
Griffin , William Neville, B.Sc. Agric.	Agricultural Economics
Webster , Robert Mervyn, B.Sc. Agric.	Grassland Science
Woodhead , Rollo Cawthra, B.Sc. Agric.	Grassland Science

BACHELOR OF AGRICULTURAL MANAGEMENT (HONOURS)

Hawgood, Christopher Renwick James,
B.Agric.Mgt.
Isakow, Isaac Hylton, B.Agric.Mgt.

Poole, Andrew George, B.Agric.Mgt.
Wyrley-Birch, David Justin,
B.Agric. Mgt.

BACHELOR OF SCIENCE (HONOURS)

	<i>Discipline</i>
Arbuthnot, Jeremy Danby, B.Sc.	Entomology
Bhamjee, Rabia Ismail, B.Sc.	Psychology
* Bossé, Carolyn Anne, B.Sc., H.D.E.	Botany
* Casson, Sharon, B.Sc.	Chemistry
Clark, Celeste Charmaine, B.Sc.	Microbiology/Plant Pathology
Docherty, Andrew James Angus, B.Sc.	Chemistry
Elmer-English, Craig Walton, B.Sc.	Botany
Fleming, Alison Anne, B.Sc.	Botany
* Fortgens, Philip Hendrik, B.Sc.	Biochemistry
* Gartrell, Tracy Lee, B.Sc.	Computer Science
Gessau, Jan-Henry, B.Sc.	Computer Science
Gold, Digby James Comrie, B.Sc.	Geology
Govender, Julie Sivagami, B.Sc.	Microbiology/Plant Pathology
Harrison, Gordon Andrew, B.Sc., H.D.E.	Geography
Hayes, Gregory Peter, B.Sc.	Chemistry
Home, Grant Scott, B.Sc.	Chemistry
Howden, Jean Blair, B.Sc.	Biochemistry
Howes, Andrew Walter, B.Sc.	Biochemistry
Hunter, Charles Haig, B.Sc.	Microbiology/Plant Pathology
* Jenkins, Andrew Robert, B.Sc.	Zoology
Kunene, Bongumusa Victor, B.Sc.	Biochemistry
* McGee, Arleen, B.Sc.	Computer Science
Mchunu, Mthokozisi Emmanuel, B.Sc.	Biochemistry
McLeod, Robin Anderson, B.Sc.	Microbiology/Biochemistry
* Meiring, Wendy, B.Sc.	Statistics
Metcalf, Jane Helen, B.Sc.	Chemistry
Mills, Beverley Jean, B.Sc.	Biochemistry
Milne, Bruce Douglas, B.Sc.	Geology
Moerdyk, Frances Cecilia, B.Sc.	Computer Science
* Moerdyk, Matthew Richard, B.Sc.	Hydrology
Moffett, Melissa Dorothy, B.Sc.	Geography
Morrison, Douglas James, B.Sc.	Geology
Morrison, Liesl Joy, B.Sc.	Biochemistry
Naidoo, Gonaseelan, B.Sc.	Biochemistry
Nelson, Richard Michael, B.Sc.	Botany
* Nevin, Nicholas John, B.Sc. (Hons)	Computer Science
* Norris, Craig Harold, B.Sc., H.D.E.	Botany
* Phillips, Steven John, B.Sc. (Hons)	Mathematics
Pike, Andrew, B.Sc.	Hydrology
* Pridmore, Sally Jane, B.Sc.	Botany
Reid, Kirsteen Sarah, B.Sc.	Geology
Smith, Gary Sean, B.Sc.	Microbiology/Plant Pathology
Sorour, Jacqueline Mary, B.Sc.	Hydrology
Sutan, Ommesh Sonnie, B.Sc.	Biochemistry
Tough, Sharon Anne, B.Sc.	Microbiology/Plant Pathology
Viljoen, Marcel René, B.Sc.	Psychology
Witt, Anne Balder Roderich, B.Sc.	Entomology
Zylstra, Marianne Colette, B.Sc. (Witwatersrand)	Genetics

* Degree awarded in the First Class

BACHELOR OF SCIENCE IN AGRICULTURE

	<i>Discipline</i>
Anderson, James Hannay	Agricultural Economics
* Baber, Rupert Alfred Alexander	Agricultural Economics
Balfoort, Henricus Johannes Franciscus	Agricultural Production
Bartlet, Peter Walker	Agricultural Economics
Bokma, Menno Gaston	Agricultural Production
Boshoff, Brett David	Agricultural Economics
Charter, Christopher James	Agricultural Economics
§ Daphne, Christopher William	Grassland Science
Davenport, Carolyn Sonja	Microbiology
Dawes, Michael Anthony	Soil Science
Denton, Andrew William	Grassland Science
Donkin, Carol Jean	Microbiology
* Duxbury, Michael Rushworth	Agricultural Production
Fennell, Brett Guy	Agricultural Production
Freemantle, Andrew Paxton	Animal Science
Graham, Angus Duncan Neil	Horticultural Science
Greaves, Duncan Huyshe	Agricultural Production
Green, Basil Martin	Agricultural Production
Greyvensteyn, Raubie	Agricultural Production
Guilbride, Melanie Gay	Grassland Science
Gunn, Susan Jane	Agricultural Economics
Gurney, Robert Stillard	Agricultural Production
Guthrie, Angus Roy	Agricultural Production
Harding, Terence Russell	Crop Science
* Harris, Derryn Isabel	Grassland Science
Hawkins, Roger Patrick	Agricultural Production
Hawksworth, Mark Llewellyn	Horticultural Science
Henderson, Brigitte	Horticultural Science
Henry, Neil Richard	Agricultural Production
Hobson, Malcolm Ralph	Animal Science
Holmes, Mark Andrew	Agrometeorology
Houtman, Willem Andriaan	Agricultural Economics
Huse, Jürgen Rudolph	Grassland Science
Jackson, Denis Patrick	Agricultural Economics
Johnson, Paul Nils Adrian	Agricultural Economics
Kirkman, Alexander Dallas	Agricultural Economics
Knipscheer, Nicola Simone	Plant Breeding
Kraupner, Frank	Agricultural Production
Lagesse, Michel Renaud	Crop Science
Land, Gregory James	Horticultural Science
Langton, Colin Frank Eric	Horticultural Science
Macpherson, Duncan Francis	Agricultural Production
Martens, Jonathan Charles	Grassland Science
Martin, James Robert Samuel	Agricultural Production
Marx, Solomon Smith	Agricultural Production
McGlinchey, Mark Geoffrey	Animal Science
Morgan, James Patrick	Animal Science
Musto, James Windham	Agricultural Production
Nesamvuni, Azwihangwisi Edward	Animal Science
Nicholson, Christopher Robert Leslie	Agricultural Production
Noël, Olivier Marie Henry Pierre	Agricultural Production
O'Hagan, Elizabeth Deborah	Animal Science
Parsons, Kevin David	Agricultural Economics

Ramsden, Reginald	Horticultural Science
Ryan, Catherine Helen	Animal Science
Simone, John Antonio	Horticultural Science
Smith, Duncan Grant	Horticultural Science
Tate, Peter Grant	Agricultural Economics
Tshikolomo, Khathutshelo Alfred	Crop Science
van der Merwe, René	Horticultural Science
van der Poll, Debra	Horticultural Science
* Walker, Susan	Horticultural Science
Warren, Grant Andrew	Horticultural Science
Wiehe Lagesse, Jean-Francois	Agricultural Production
Wolff, Henry Drummond	Horticultural Science

§ Degree awarded summa cum laude

* Degree awarded cum laude

BACHELOR OF AGRICULTURAL MANAGEMENT

Alexander, Anthony John Fraser	Melouney, Christopher Raymond
Brown, Stephen Scott	Msomi, Vuyani Victor
Cartwright, Douglas Michael Andrew	Oostindiën, Egbert Johannes
Dorrington, Robert Allan	Pattison, Richard Thomas Arthur
Hall, Lesley Patricia	Planteau de Maroussem, Joseph Gerard
Halsted, Desmond Tom	Patrick
Hudson, John Bruce	Schröder, Roger Werner
Kirkman, Grant Anthony	Shenton, John Derek
Kroon, Roland Bentley	Stein, Mairi Hilary
Kroon, Sholto Malcolm Murray	White, Mark Walter Josef
MacKenzie, Alistair James	Zondi, Henry Bhekuyise

BACHELOR OF SCIENCE IN DIETETICS

Burgess, Marion June	Petzer, Lee Ann
Cumming, Alison Jeanne	Proctor-Sims, Susan
Downs, Jane Helen	Sanderson, Victoria Jane
Dunjwa, Nosipho Nombulelo	Simpson, Paula Deanne
Koeslag, Sharon Joy	Slootweg, Erica
MacKenzie, Janet Anne	van der Spoel, Kareline Margrieta
Mitchell, Adrienne Leigh	Zwane, Mondy Geraldine

BACHELOR OF SCIENCE IN HOME ECONOMICS

Antoni, Jenni Leanne	Oosthuizen, Leanne
Donald, Jennifer Louise	Spalding, Sheryl Lee
Doyle, Janice Veré	Taylor, Julie Claire
Grimsell, Sarah Helen	Tolan, Francis
Kwenaite, Hlengiwe Perpetua	

BACHELOR OF SCIENCE

- Abraham**, Robert William
Andrew, Philip Stephen
Armitage, Graham John de Keresforth
Ashley, Stephen Graham
Bagshaw, Helen
Bailey, Amanda Kim
Bainbridge, Lance Roy
Baxter, Brent John McKenzie
Bell, Rodney Steven (Botany)
Biggs, Janet Elizabeth
Briedenhann, Marlene Venetia
Buswell, Alison Mary
Butt, Gregory John
Cameron, Gida Rae
Cameron, Kevin John
Cameron, Sandra Leigh
Carlill, Stephen Paul
Chalmers,Carolynn Joan
Chinn, Shirley Ann
Coady, Moira
 * **Coghill**, Bronwen Mary (Geology)
Coombes, Brett Justin
Cooper, Andrew Arthur
 * **Crouch**, Neil Robert (Botany)
 * **Cruickshank**, Vanessa Jenifer
 (Biochemistry, Chemistry)
Dawe, Anna Marie
de Beer, Hendrik Adriaan
Dehrmann, Frieda Marie
Deppe, Jens
Descoins, Marc Jonathon
Drummond, Anne Evelyn
Edwards, Sion Charles
Eigelaar, Barbara Valerie Kathleen
Fleming, Ian Trevor
Foreman, Tracey Lee
Forsyth, Ian Coulter
Freitag, Stefanie
Funston, Paul John
Galanti, Gary Leonard
Germishuizen, Steven
Girdwood, Kim Roxanne
Goble-Garratt, Craig George
Gonifas, Robyn Heather
Gormley, Jacqueline Lisa
Gqaleni, Nceba
Greyling, Barend Frederick
Harvey, Nicolette Louise
Henshall, Duncan Scott
Hesp, Jaqueline Tania
Homann, Stuart Colin
 * **Imrie**, David Alexander (Physics)
Jennings, Brent Richard
Jennings, Paula Sue
 ° **Jensen**, Karina Nicole (Applied Chemistry)
Kadir, Razia
Kelly, Sharon Lesley
Kemp, Lynley Claire (Botany)
Khanyile, Zamangwane Truth
Kidd, Warren Graham
King, Amanda Jean (Botany)
 ° **Klews**, Elke (Physiological Biochemistry)
Lello, Bruce Douglas
Maharaj, Shailesh
 * **Maltby**, Gavin Richard (Mathematics,
 Physics)
Matai, Ursheila Rani (Microbiology/Plant
 Pathology)
Matthis, Tracy Verna
McGregor, Trelss Elen
McKenzie, Alan Douglas
Mensing, Louise
Mncwabe, Nomathemba Happiness
Moore, Sean Douglas
Morrison, Peter Ian
Naidoo, Thilagavathie
Naidoo, Visagan Niverthi Sadhu
Nel, Grant Stephen George
Ngcobo, Aubrey Bongani Zenzele
Ngcobo, Zamafuze Joy Melody
Nicholas, Carol Jean (Microbiology/Plant
 Pathology)
Nicholson, Barbara Helen
Nixon, Deborah Frances
Parkes, David John
Parmanund, Sharila
Pert, Karen Bosman (Applied
 Mathematics)
Pillay, Beverley Amanda Faith
Pinto, Cristine Maria Silva Tavares
Querl, Belinda Lee (Applied Chemistry)
Rajah, Basil Claurain
Ramesar, Niyum Sathya
Reid, Anthony Stephen
Rissik, David
Ritchie, Bridget Eleanor Deans
 * **Rowland**, Karen (Physics)
Saunders, Kay Amanda
Schauerte, Werner Karl
 * **Schreuder**, Baron Christopher (Chemistry,
 Statistics)
Schutte, Renate
Scott, Michele Fiona
Scott, Warren Robertson
Scott-Wilson, Tracy Anne
Sharratt, Norma Joan

Slettevold, John Henry
Smal, Moira Leonie
☐ **Small, Fergus Deith Lensing**
Stewart, Roger Dickson
Stirk, Wendy Ann (Botany)
Stopforth, Katherine Margaret
Swain, Mark Alan
Taylor, Craig William
Theron, Robert Basil
Thiel, Rowan John
☐ **Tooke, Larry Frank (Computer Science)**
Vos, Wayne Thomas

Walker, Candy Lynn
Warwick, Andrea Sharon (Botany)
Welter, Allard
West, Diane Louise
Weston, Philip Neil, B.Sc.
Whitehorn, Joan Bernadette
Whittington, Andrew Eric (Botany)
Williams, Janet
Wilson, Roger Jonathan Irthing
Winter, Nicola Janet
Wotherspoon, Carol Jean

Major subject which candidates have passed in the First Class are shown after their names.

° Subject in which candidates have a distinction.

* Degree awarded with distinction.

☐ Degree awarded posthumously.

UNIVERSITY FELLOWSHIPS

University Fellowships have been instituted in order to give special recognition to members of the permanent academic staff for distinguished work of special merit in their chosen fields. The standard of the work is judged primarily by publications and the contribution those have made in the particular field. Public presentation of work in the performing and fine arts may be regarded as equivalent to research and publications.

FACULTY OF SCIENCE

Siegfried Ernst Drewes

Professor Drewes, Professor of Organic Chemistry in the Department of Chemistry, Pietermaritzburg has made outstanding contributions to the field of natural product chemistry. In particular he is involved in the isolation, characterisation and development of organic compounds from natural resources which have novel biological and pharmacological behaviour and which are of medicinal value. One such compound is at present undergoing extensive commercial trials. Related to this endeavour he is active in the development of new methodology for the production of synthetic analogues.

Awarded for distinguished contributions in the field of natural product chemistry.

Raymond John Haines

Professor Haines, Professor of Inorganic Chemistry and Head of the Department of Chemistry at the University in Pietermaritzburg has made outstanding contributions to the field of organometallic chemistry. His eminence in this field has long been recognised by outside bodies such as the CSIR and he is currently Director of a Research Unit of Metal Cluster Chemistry in the University. Metal cluster compounds exhibit the properties of bulk metals and Professor Haines' interest lies in the design and synthesis of metal clusters that are homogeneous and electrocatalysts for processes such as the reduction of carbon dioxide to commercially-viable products.

Awarded for distinguished contributions in the field of organometallic chemistry.

Johannes van Staden

Professor van Staden is Professor of Botany and Head of that Department at the University of Natal, Pietermaritzburg. He has made numerous outstanding contributions to the field of plant physiology with special emphasis on the role and function of plant hormones. In this area he is an acknowledged world leader and his advice is sought by learned societies. His projects have a strong commercial bias and he has made significant advances in fields such as seed germination, plant senescence and tissue culture.

Awarded for distinguished contributions in the field of plant physiology.

UNIVERSITY PRAYER

Oremus:

Oremus pro hac Universitate:

Deus Omnipotens, cuius aeternam gloriam caeli stellis fulgentibus semper enarrant, duc nos, oramus, eisdem stellis ut omnes qui in hac Universitate gubernant, docent et discunt vera humilitate aeternam inveniant veritatem.

O Deus, Lux Mundi, Sapientia Aeterna, qui illuminat omnem hominem in mundum venientem, da ut haec Universitas, veritatem et lucem docens, thesaurus scientiae plenos imperiat, et quasi lucerna luceat in terra nostra efficiatque populo cor sapiens, mentem sanam et voluntatem iustam.

Recordemur coram Deo Conditores et Benefactores nostros:

Magnus es et laudabilis valde, Domine, Omnipotens Deus animarum et omnis carnis! Gratias tibi et laudem agimus pro omnibus illis Conditoribus, Benefactoribus et Praeceptoribus qui ex hac vita excesserunt in Tuo servitio; opere in terra consummato requiescant in pace.

Et da, Domine ut nos, exemplo eorum incitati, bonum eorum opus fideliter continuemus.

Let us pray:

Let us pray for this University:

Almighty God, whose everlasting glory the heavens declare with their shining stars, lead us, we pray, by the same stars that all who govern, teach, and learn in this University may, in true humility, find eternal truth.

O God, Light of the World, Eternal Wisdom that enlightens every man that comes into the World, grant that this University, as it teaches truth and light, may impart the full treasures of knowledge, and be in our land a shining luminary and inspire in the people a heart of wisdom, a pure mind and a true sense of justice.

Let us remember before God our Founders and Benefactors:

Great art Thou and very worthy to be praised, O Lord, Thou who art the almighty God of spirits and of all flesh! We render thanks unto Thee and praise for all those Founders, Benefactors and Teachers, who departed this life in Thy service. Having fulfilled their work on earth may they rest in peace.

And grant, O Lord, that we, encouraged by their example, may faithfully continue their good work.

UNIVERSITY ANTHEM

Natale solum canimus
Cui sol adest faustissimus
Almamque matrem dicimus
Aurorae Stellam colimus.

*O vivas, in aeternum, vivas,
Alma mater, quae nos ditas,
Fove serva protege
Stella aurorae signum Natale.*

Hic juvenes addiscimus
Ad artes corda ferimus
Qui domus species sumus,
Quocumque nos dividimus.

Hinc etsi nos discedimus
Scottarum rus meminimus
Ad Umsinduzi tendimus
Mentesque saltem vertimus.

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 quae 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.

