

9241/2/18



UNIVERSITY OF NATAL

GRADUATION CEREMONY

1978

FRIDAY 5th MAY

8.00 p.m.

PIETERMARITZBURG



GRA1/2/18

PROGRAMME

The Chancellor constitutes the congregation

PRAYER

Prof. V.J. Bredenkamp
B.A.(Rhodes) M.A.(Oxon) M.A., Ph.D.(Princeton)

WELCOME TO GUESTS

The Vice-Chancellor

PRESENTATION OF THE GRADUANDS

The Deans of Faculties

THE UNIVERSITY CHOIR

Conductor: Mrs Pessa Weinberg
B.Mus.(SA) L.T.C.L.

To The Hills And The Vales Henry Purcell
Pick A Bale Of Cotton Adapted and arranged
by Robert de Cormier

THE ORATOR PRESENTS THE HONORARY GRADUAND

James Edward Vanderplank
Doctor of Science in Agriculture

INTRODUCTION OF GUEST SPEAKER

Vice-Chancellor

ADDRESS

Dr J.E. Vanderplank
M.Sc.(Natal), M.Sc.(Rhodes), Ph.D.(London).

The Chancellor dissolves the congregation

Refreshments will be served in the William O'Brien Dining Hall after
the ceremony.

The congregation is requested to stand while the academic procession enters
and leaves the hall

The taking of photographs during the ceremony is not permitted.

OFFICERS

Chancellor: B.A. Armitage
L.D.S., R.C.S.(Edin.), L.R.C.P. & S.(Edin.),
L.R.F.S.P.(Glas.), F.R.C.S.(Edin.), M.D. (Honoris causa) (Natal)

Vice-Chancellor and Principal: N.D. Clarence
M.Sc.(S.A.), M.A.(Cantab.), Ph.D.(Natal) F.Inst.P.

Chairman of Council: L.S. Robinson

Vice-Principal: G.D.L. Schreiner
B.Sc.(Witwatersrand), M.A., Ph.D.(Cantab.)

President of Convocation: P. Poovalingam
B.A.(Natal)

Orator: J.V.O. Reid
M.A., B.M., B.Ch.(Oxon.), F.R.C.P.(Lond.)

Registrar: A.K.B. Skinner

DEANS OF FACULTIES

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

Education: A.M. Barrett
B.A.(S.A.), M.A.(Cantab.), M.Ed.(Natal)

Science: D.R. Hunter
O.B.E., M.Sc.(Lond.), Ph.D.(Witwatersrand) F.I.M.M., F.G.S.

BACHELOR OF SCIENCE IN DIETETICS

Adamson, Rowena Diann
Etter, Heidi-Lee
Hlatshwayo, Thabisile Audrey
Mannion, Jane
Mason, Charlotte Marie Festing

Mokoena, Grace Mapaseka
Sebopa, Pauline Monene Nkone
Shepherd, Margaret Irene
Tainton, Rozanna Joyce

BACHELOR OF SCIENCE IN HOME ECONOMICS

Teichler, Carol Ingrid

BACHELOR OF SCIENCE

Aalbersberg, Yvonne Karin
Abraham, Carilyn Irene
Aken, Mark Ernest
Arnold, Christopher Garstang
Baker, Gregory Willoughby
Balfour-Cunningham, Anthony
Bampton, Ian
Baxter, Rodney
Blankley, William Oliver
Bolton, Leonard John Byrne
Brown, Ann Florence
Bryce, Andrew Muir
Bryson, Iain David Walker
Bull, Thomas Ivan
Carlisle, Mathew Benedict
Carr, Benjamin Alan
Clacherty, Alistair John
Coghlan, David St John (Biochemistry)
Conlong, Desmond Edward
Cooper, Michele Elaine
Cornelius, David John
Cyrus, Digby Paul
Davies, Douglas Alastair
de Chasteigner du Mée, Charles Philip Roger
Dewar, Neil
Dexter, Timothy John
Dickens, Christopher William Spencer
Dix, Dudley Lester
Ducasse, Leigh Anne
Duigan, Nora Anne
Eggers, Sigrid (Mathematics, Psychology)
Flinn, Stephen Michael
Garmany, Frank McKeown
Gathercole, Patricia Sarah

Godwin, Vivienne Nelly
Grayson, Diane Jeanette
Groenewald, Peter Bruce
Hall, Elizabeth Marion
Hall, Kenneth Edward
Halse, Margaret-Anne
(Microbiology/Plant Pathology)
Henning, Gail Marian Fearne
Hertogs, Irving Allen
Hopkins, David Glenney (Mathematics, Statistics)
Hosken, Elizabeth Donnithorne
Hucklesby, Penelope Irene
Hulbert, Louise Elizabeth
I'Ons, Lesley Nina
Isherwood, Casper Hendrik Jacobus
Jamieson, Belinda Jane
John, Jennifer Rowena
Jordaan, Renier Elmar
Keegan, Arthur Brian (Botany)
Knell, Hillary Frances
Krüger, John Ernst
Lawson, Ailsa Margaret
Levy, Alison Margaret
Lines, Stella Lucy
Lorentz, Victoria Mary
McCulloch, Beth
McDonald, David Jury
McGlashan, Roderick Ian
MacIvor, Keith Malcolm de Falloux
Marwick, Daryll Leigh
Millar, Ian Martel
Monberg, Christian
Möns, Peter Garnet

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

Morgan, Wendy Anne
Nisbet, John Andrew
Olver, Garry Llanyon
Oosthuizen, Johannes Jacobus L y
Ortmann, Marleen Elfriede
Pitcher, Carol Anne
Pitchford, Andrew Thomas
Protoulis, George
Randelhoff, Lee
Rayner, Marion Patricia (Mathematics, Statistics)
Robertson, Darrol Ian
Saunders, Judy Ann
Schmidt, Peter Wolfgang
Slade, Heide Jane Karoline
 (Microbiology/Plant Pathology)

Stacey, Nigel Arthur
Stoeckigt, Wolfgang Siegfried Arthur
Taverner, Susan Alexandra
Taylor, Anne Caroline
Truran, Jerome Norman
Turner, James Walter Denis
van Heerden, Albert Lawrence
van Meersbergen, Joan Mary
von Glehn, Frank Holger
Weekes, David Sydney
Wesch, Ashley Karl Graham
Wilkinson, Peter Myles
Young, Christopher John (Physics)

BACHELOR OF SCIENCE IN AGRICULTURE

	<i>Discipline</i>
Bailey , Michael Allan	Horticultural Science
Bahrs , Peter Gary	Microbiology
Bookless , Douglas-Thomas Franklin	Agricultural Economics
Boyd , Sharon Ann	Horticultural Science
Butt , Robert Douglas	Animal Science
Cloete , Martin Barnard	Agricultural Economics
Dillon , Richard Francis	Agricultural Production
Dodsworth , George Hunter	Soil Science
Evans , Michael Brian	Animal Science
Fisher , Colin Raymond	Plant Pathology
Fortmann , Reinhard Reimer	Agricultural Production
Galloway , Michael Lindsay	Animal Science
Gilmour , John Graham	Horticultural Science
Halse , Edmund George von Hartmann	Horticultural Science
Hanson , Jonathan David	Biochemistry
Harvey , Bryan Alistair	Agricultural Economics
Hendry , Nigel Storer	Horticultural Science
Heyns , Ian Rodney	Animal Science
Kerr , Colin George	Animal Science
Leisegang , Ken Walwyn	Agricultural Economics
Lloyd , Anna Maria	Biometry
Lumsden , Geoffrey Mark	Animal Science
Marrier d'Unienville , Jean-Francois	Crop Science
Newmarch , Barry Sawden	Animal Science
Neen , John Lancaster	Crop Science
Nisbet , David Alistair	Plant Pathology
Nisbet , John Andrew	Crop Science
Peckover , Ralph George	Horticultural Science
Pereira , Manuel Julian	Animal Science

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

Read, Robert William Edward	Agricultural Economics
Renton, Kevin Ashley	Biochemistry
Ristow, Werner Edward	Crop Science
Schröder, Dieter Theodor	Agricultural Economics
Smith, Glynis Fay	Genetics
Smith, Hugh Robert Houston	Animal Science
Spencer, Eric Charles	Agricultural Economics
Stacey, Don Roger	Agricultural Production
Stavropoulos, Meryl Ann	Genetics
Taylor, Sidney Norris	Animal Science
Walker, Sue	Agro-Meteorology
Willows, Murray	Microbiology
Wilton, Ronald Grant	Agricultural Economics

BACHELOR OF EDUCATION

Blacquiere, Arie, B.A. (Cape Town)
Buckland, Francis Peter, B.A. (Rhodesia)
Hardman, Stanley George, B.A.
Hart, Michael Travers, B.A.
Jury, Dudley Ronald, B.Sc.
Sanders, Ann Marie, B.A. (Rhodes)

BACHELOR OF SCIENCE (HONOURS)

	<i>Discipline</i>
* Akhurst, Edward Gordon John, B.Sc.	Botany
Armstrong, Guy Bramwell, B.Sc.	Microbiology/Plant Pathology
Bagot-Smith, Helen Mary Newbold, B.Sc.	Zoology
Bedford, Eva Elizabeth Riland, B.Sc.	Geology
Berry, Ronald Keith, B.Sc.	Biochemistry
Biggs, Diana Margaret, B.Sc.	Chemistry
Bristow, Keith Leslie, B.Sc.	Physics
Brown, Christopher Justin, B.Sc.	Zoology
Burton, Michael Howard, B.Sc.	Mathematics
Button, William Patrick Roy, B.Sc.	Psychology
Cairncross, Bruce, B.Sc.	Geology
Candy, Geoffrey Patrick, B.Sc.	Biochemistry
Carter, Teresa, B.Sc.	Microbiology/Plant Pathology
Conradie, Lynne Debra, B.Sc.	Physics
Coyne, Rodney Cecil, B.Sc.	Chemistry
Dennill, George Bentley, B.Sc.	Entomology
Eardley, Connal Desmond, B.Sc.	Entomology
Emslie, Neville Desmond, B.Sc.	Chemistry
Eriksson, Patrick George, B.Sc.	Geology
Furness, Brenda, B.Sc.	Physics
Goedeke, Dietmar Bertram, B.Sc.	Mathematics
Grantham, Geoffrey Hugo, B.Sc.	Geology
Hall, Allan Stewart, B.Sc.	Microbiology/Plant Pathology
* Hatton, Richard Sydney, B.Sc.	Chemistry
Heath, Allan William, B.Sc.	Chemistry
Immelman, Kathleen Leonore, B.Sc.	Botany
McKnight, Clare Alison, B.Sc.	Biochemistry
Meaker, Margaret Jean, B.Sc.	Biochemistry
Meeran, Fazeela Kader, B.Sc. (U.D-W.)	Psychology
* Otto, Elizabeth Grace, B.Sc.	Botany
Rayner, Howard William, B.Sc.	Chemistry
Reid, Clare, B.Sc.	Botany

* Degree awarded in the First Class.

Robertson, Stuart Hedley, B.Sc.	Physics
Schmidt, Norma Irene, B.Sc.	Biochemistry
Scoones, Brett Warren Hamilton, B.Sc.	Chemistry
Scott Shaw, Charles Robert, B.Sc.	Botany
Tainton, Stephen, B.Sc.	Geology
* Taylor, David Ian, B.Sc.	Zoology
Tulej, Roman Michael, B.Sc.	Microbiology/Plant Pathology
van Berkel, Ferdinand, B.Sc.	Geology
* Wingfield, Michael John, B.Sc.	Microbiology/Plant Pathology
Wolhuter, David Alexander, B.Sc.	Zoology

* Degree awarded in the First Class.

MASTER OF SCIENCE IN AGRICULTURE

	<i>Discipline</i>
Barrow, Michael Ronald, B.Sc.Agric.	Entomology
Cox, Michael James, B.Sc. Agric.	Crop Science
Fisher, Robert, B.Sc.Agric.	Crop Science
Hamilton, Chesney David, B.Sc.Agric.	Animal Science
Manning, David Stacey Lane, B.Sc.Agric.	Crop Science
Martakis, George Filippou, Licencie es Sciences (Agric. College Athens)	Soil Science
von Broembsen, Louis Anthony, B.Sc.Agric.	Horticultural Science

MASTER OF EDUCATION

	<i>Discipline</i>
Peel, Harold Alexander, M.Sc.(SA), B.Ed.	Education
Wilkinson, John Edwin, B.A. (Durham), B.Ed.	Education

MASTER OF SCIENCE

	<i>Discipline</i>
Baxter, Roderick Murray, B.Sc.,Hons.	Zoology
Black, Keith Edward, B.Sc.Hons.	Physics
* Davies, Glynn Rowland, Ph.D.(Lond.)	Physics
Greenshields, Hugh Douglas, B.Sc.Hons.	Geology
Hilditch, Edward George, B.Sc.Hons. (Belfast)	Chemistry
Joubert, Charles Stuart William, B.Sc.Hons.	Zoology
Meintjies, Elsie, B.Sc.Hons.	Chemistry
Olivier, Gillian Mary, B.Sc.Hons.	Chemistry
* Smith, Aileen Roberta, B.Sc.Hons.(Glasgow)	Botany
Turner, James Robert, B.Sc.Hons.	Geology
* Whitfield, Alan Kenneth, B.Sc.Hons.	Zoology

* Degree awarded with distinction

DOCTOR OF PHILOSOPHY IN THE FACULTY OF AGRICULTURE

Bubb, Martin Owen, M.Sc.Agric.

Title: Studies on the structural and biological functions of the C μ 3 and C μ 4 domains of IgM.

Kock, Schalk Willem, M.Sc.Agric.(Pret.)

Title: Estimation of carcass composition of beef cattle by the urea dilution technique.

Mackie, Roderick Ian, M.Sc. Agric.

Title: The ruminal metabolism of lactic acid.

Meaker, Helgaard Johannes, M.Sc. Agric.(Stell.)

Title: The importance of age at first calving, relationship between body mass and fertility and feeding systems on production in the beef female.

DOCTOR OF PHILOSOPHY IN THE FACULTY OF EDUCATION

Auerbach, Franz Egon, M.Ed.(Wits.)

Title: South African school enrolment patterns (1920/1970) and problems of early leaving in African, Coloured and Indian schools.

DOCTOR OF PHILOSOPHY IN THE FACULTY OF SCIENCE

Attwell, Charles Anthony Mallory, M.Sc.(Lond.)

Title: Reproduction and population ecology of the blue wildebeest
Connochaetes taurinus taurinus in Zululand.

Channing, Alan Eric, M.Sc.

Title: Ecology and systematics of *Rana* and *Strongylopus* in Natal.

Craig, Adrian John Fergus Knott, M.Sc. (Cape Town)

Title: Aspects of the biology of the Red Bishop *Euplectes orix* and other *Euplectes* species.

de Waal, Schalk Willem Petrus, M.Sc., (U.O.V.S.)

Title: The Squamata (Reptilia) of the Orange Free State, South Africa.

Gordon, Martin Ian, M.Sc.

Title: Quadrupolar relaxation for a 7/2 system.

Lastovica, Albert Joseph, M.Sc.(Ontario)

Title: Comparative studies on related free-living and pathogenic *Limax*
Amoebae with particular reference to *Naegleria*.

Stiff, Anthony John, M.Sc.

Title: A calorimetric study of the interaction of (Pd(dien)Cl)Cl with pyridine and selected nucleosides.

HONORARY DEGREE

DOCTOR OF SCIENCE IN AGRICULTURE

VANDERPLANK, JAMES EDWARD

Dr Vanderplank was born in Eshowe in 1908. After matriculating at the Durban High School, he entered the Natal University College and graduated with an M.Sc. degree in Botany. Four years later he obtained the M.Sc. degree in Chemistry at Rhodes University College and thereafter the Ph.D. degree in Plant Physiology at the University of London.

Dr Vanderplank commenced his services in the Department of Agriculture and Forestry in 1928 and was Chief of the Division of Plant Pathology in this Department from 1951 to 1958 and in the Department of Agricultural Technical Services from 1958 to 1962. In the latter year he became Chief of the Plant Protection Research Institute and in 1966 Director of such Institute, a post which he successfully held until his retirement in 1973.

The author of a number of books and the recipient in 1964 of the Medal of the S.A. Association for the Advancement of Science and in 1928 and 1948 of the Junior and Senior medals of the S.A. Biological Society, Dr Vanderplank is honoured for his contribution to plant pathology, his success as a plant breeder, and his standing, internationally, as an innovative thinker and scientist.

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, thesauros 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
Qui 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.

