



**UNIVERSITY OF NATAL**

**GRADUATION/DIPLOMA  
CEREMONY**

**1995**

**SATURDAY 29 APRIL**

**10h00**

**PIETERMARITZBURG**

# **DIE STEM VAN SUID-AFRIKA**

(Official Afrikaans version)

Uit die blou van onse hemel, uit die diepte van ons see,  
Oor ons ewige gebergtes waar die kranse antwoord gee,  
Deur ons vér verlate vlaktes met die kreun van ossewa -  
Ruis die stem van ons geliefde, van ons land Suid-Afrika

Ons sal antwoord op jou roepstem, ons sal offer wat jy vra:  
Ons sal lewe, ons sal sterwe - ons vir jou, Suid-Afrika.

(Official English Version)

Ring out from our blue heaven, from our deep seas  
breaking round;  
Over everlasting mountains where the echoing crags resound;  
From our plains where creaking wagons cut their trails  
into the earth -  
Calls the spirit of our country, of the land that gave us birth.  
At thy call we shall not falter; firm and steadfast we shall stand.  
At thy will to live or perish, O South Africa, dear land.

(A Zulu Translation)

Kusuka ekucwatheni kwesibhakabhaka sethu  
Kusuka phansi ekujuleni kolwandle lwethu  
Phezu kwezintaba zokhahlamba ezimi phakade  
Lapho amawa eduma enanela imisindo  
Phezu kwamathafa akithi kude le  
Umsindo wokugedlezela kwezinqola  
Kunyenyeza izwi lothando  
Lwakho lizwe lethu Ningizimu Afrika

Siyokuzwa ukumemeza kwakho  
Siyonikela ngakho konke okucelayo  
Siyophilela futhi sifele  
Wena Ningizimu Afrika - izwe lethu.

(Translation by Mary Gordon and Msawakhe Hlengwa, Department of Zulu, University of Natal, Pietermaritzburg. The translation is not literal, but tries to capture the spirit of the original. No attempt was made to fit the words to the tune.)





## OFFICERS

<b>Chancellor</b>	The Most Reverend D E Hurley OMI, DD, Archbishop Emeritus of Durban, PhL (Rome), STL (Rome)
<b>Vice-Chancellor and University Principal</b>	B M Gourley CTA (Witwatersrand), MBL (Unisa), CA(SA)
<b>Chairman of Council</b>	C van der Pol BSc, PhD (Witwatersrand)
<b>Deputy Vice-Chancellor and Pietermaritzburg Principal</b>	D A Maughan Brown BA (Cape Town), MA (Cantab), DPhil (Sussex)
<b>Deputy Vice-Chancellor and Durban Principal</b>	C F Cresswell BSc(Hons), MSc (Rhodes), PhD (Bristol), FRS(SA), Nat Sc, MASSAf
<b>Deputy Vice-Chancellor Research and Development</b>	E M Preston-Whyte BSocSc(Hons), PhD (Natal)
<b>Deputy Vice-Chancellor Planning and Resources</b>	E Ngara BA(Hons) (Rhodesia), MPhil, PhD (London)
<b>Registrar</b>	G J Trotter BA(Hons) (Natal), MA (Duke)
<b>President of Convocation</b>	J P Boule BScAgric, MScAgric
<b>Orator</b>	C O Gardner BA(Hons) (Natal), MA (Oxon)

## DEANS OF FACULTIES

<b>Agriculture</b>	F H J Rijkenberg MScAgric, PhD
<b>Science</b>	R J Haines MSc (Natal), PhD (London), FRSSAf

## **PROGRAMME**

**The Academic Procession enters the Hall**

### **THE VICE-CHANCELLOR CONSTITUTES THE CONGREGATION**

#### **WELCOME TO GUESTS**

The Deputy Vice-Chancellor and Pietermaritzburg Principal

#### **PRESENTATION OF DISTINGUISHED TEACHER**

The Dean of the Faculty

#### **PRESENTATION OF DOCTORAL GRADUANDS**

The Deans of Faculties

#### **HONORARY DEGREE**

The Orator presents the Honorary Graduand

**WALTER JOSEPH KAMBA**

#### **ADDRESS**

Walter Joseph Kamba

BA, LLB (Cape Town), LLM (Yale)

LLD (honoris causa) (Dundee), DHumL (honoris causa) (Rhode Island)

#### **THE UNIVERSITY CHOIR**

Conductor : M. Lambert BA (Hons), MA (Natal), STD (Cape Town)

*Cantate Domino (G O Pitoni : 1657 - 1743)*

*Standin' In De Need Of Prayer*

*(African American Spiritual : arr. H Robertson)*

#### **PRESENTATION OF GRADUANDS AND DIPLOMATES**

The Deans of Faculties

### **THE VICE-CHANCELLOR DISSOLVES THE CONGREGATION.**

The Choir leads the singing of Die Stem and Nkosi Sikelel'i-Afrika  
(Words on inside covers of Programme)

**The Academic Procession leaves the Hall**

**The Convocation Procession leaves the Hall**

The congregation is requested to stand, and to remain standing, while the processions enter and leave the Hall and to remain seated until the conclusion of the ceremony.

Only officially authorised persons are permitted to take photographs during the ceremony.  
Refreshments will be served in the marquee at the conclusion of the ceremony.



# DISTINGUISHED TEACHER OF THE UNIVERSITY OF NATAL

## FACULTY OF SCIENCE

(see page 16)

**Davies**, Glynn Rowland, BSc (London), MSc (Natal), PhD (London)  
Awarded for exceptional teaching ability.

## DOCTORAL GRADUANDS

### DOCTOR OF PHILOSOPHY IN THE FACULTY OF SCIENCE

	<i>Discipline</i>
<b>Clark</b> , Tanza Elizabeth, BSc(Hons), MSc . . . . .	Zoology
Thesis: Plant Molluscicides for Snail Control in the South African Context.	
<b>Coghill</b> , Bronwen Mary, BSc(Hons), MSc . . . . .	Geology
Thesis: Aspects of the Ultramafic Rocks and PGE Mineralization of the Selukwe Subchamber, Great Dyke.	
<b>Conlong</b> , Desmond Edward, BSc(Hons), MSc . . . . .	Entomology
Thesis: Host-Parasitoid Interactions of Eldana Saccharina (Lepidoptera: Pyralidae) in Cyperus Papyrus.	
<b>Couling</b> , Vincent William, BSc(Hons), MSc . . . . .	Physics
Thesis: Second Light-Scattering and Kerr-Effect Virial Co-efficients of Molecules with Linear and Lower Symmetry.	
<b>Eardley</b> , Connal Desmond, BSc(Hons), MSc(UOFS) . . . . .	Entomology
Thesis: Phylogeny of Ammobatini and Revision of the Afrotropical Genera (Hymenoptera: Anthophoridae: Nomadinae)	
<b>Everson</b> , Theresa Mary, BSc(Hons), MSc . . . . .	Botany
Thesis: Seedling Establishment of Themeda Triandra Forssk. in the Montane Grasslands of Natal.	
<b>Gilliland</b> , Margaret Gordon, BSc(Witwatersrand), MSc . . . . .	Botany
Thesis: The Role of the Apoplast in Substrate Distribution for Rubber Biosynthesis in Guayule.	
<b>Hamer</b> , Michelle Luane, BSc(Hons), MSc . . . . .	Zoology
Thesis: The Anostraca (Crustacea: Branchiopoda) of Southern Africa.	
<b>Howgrave-Graham</b> , Alan Roderick, BSc, MSc(Pret) . . . . .	Microbiology
Thesis: Microbiological Investigations into Granular Sludge from Two Anaerobic Digesters Differing in Design and Industrial Effluent Purified.	
<b>Jones</b> , Nicoletta Bianca, BSc(Hons), MSc . . . . .	Botany
Thesis: Somatic Embryogenesis of Pinus Patula Scheide et Deppe.	

- Macrae**, Sharmane, BSc(Hons), MSc . . . . . Botany  
Thesis: The Use of Agrobacterium for Plant Improvement.
- Maharaj**, Sanjay Balkishore, BSc(Hons), MSc . . . . . Microbiology  
Thesis: The Characterisation of Turkey Rhinotracheitis Virus from Chickens and the Development of a Suitable Vaccine.
- Meiklejohn**, Keith Ian, BSc(Hons), MSc . . . . . Geography  
Thesis: Aspects of the Weathering of the Clarens Formation in the KwaZulu Natal Drakensberg: Implications for the Preservation of Indigenous Rock Art.
- Njamela**, Owen Lungile, BSc(Hons)(UFH), MSc . . . . . Chemistry  
Thesis: Chiral Aldehydes in the Synthesis of Tetrahydrofurans.
- Parry**, Campbell John, BSc(Hons) . . . . . Chemistry  
Thesis: Ruthenium and Silver Complexes of Potentially Binucleating Phosphoruspyridyl and Phosphorusbipyridyl Ligands.
- Sookraj**, Sadesb Harichand, BSc(Hons) . . . . . Chemistry  
Thesis: Dicopper and Dirhodium Phosphorusbipyridyl Ligand-bridged Complexes: Electrocatalysts for Carbon Dioxide Reduction.
- Taylor**, Peter Barry, BSc(Hons)(Bristol) . . . . . Zoology  
Thesis: The Biology, Ecology and Conservation of Four Flufftail Species, Sarothrura. (Aves:Rallidae)
- Taylor**, Susan Jean, BSc(Hons)(Witwatersrand) . . . . . Botany  
Thesis: Studies on the Genetic Engineering of Herbicide Resistance into South African Tobacco Cultivars.

## DOCTOR OF PHILOSOPHY IN THE FACULTY OF AGRICULTURE

- Discipline*
- Edington**, Brian Ross, MSc(Witwatersrand) . . . . . Genetics  
Thesis: Breeding for Disease Resistance to the major Foliar Pathogens of Dry Beans (Phaseolus Vulgaris) in South Africa.
- Pienaar**, Johannes Petrus, MScAgric(Stell) . . . . . Animal Science and Poultry Science  
Thesis: Theoretical and Applied Aspects of Voluntary Feed intake by Ruminants, with Special reference to the Kinetics of Rumen Digestion.
- Hardy**, Mark Benedict, MScAgric . . . . . Grassland Science  
Thesis: Short-Term effects of Mixed Grazing by Cattle and Sheep in Highland Sourveld.
- Hatch**, Grant Peter, MScAgric . . . . . Grassland Science  
Thesis: The Bioeconomic Implications of Various Stocking Strategies in The Semi-Arid Savanna of Natal.



- Hohls, Trevor, MScAgric** ..... Genetics  
Thesis: Quantitative Genetic Analyses of Diallel cross Experiments involving Elite South African White Modified Opaque - 2 Maize (Zea mays L.) Inbred Lines.
- Linsley-Noakes, Gavin Cecil, MScAgric** ..... Horticultural Science  
Thesis: Temperature as a Factor in Nectarine Production in the Western Cape.
- McKenzie, Frank Ralph, MScAgric** ..... Grassland Science  
Thesis: Managing lolium pereme L. (perennial ryegrass) in a sub-tropical enviroment in KwaZulu-Natal, South Africa
- Whiley, Anthony William,** ..... Horticultural Science  
Thesis: Ecophysiological Studies and Tree Manipulation for Maximisation of Yield Potential in Avocado (Persea americaca Mill.)

### HONORARY GRADUAND

(see page 17)

- Kamba, Walter Joseph, BA, LLB (Cape Town), LLM (Yale),**  
LLD (honoris causa) (Dundee), DHumL (honoris causa) (Rhode Island)

### GRADUANDS

#### MASTER OF SCIENCE

- |   | <i>Discipline</i>   |
|---|---------------------|
| <b>Azizi, Abbas, BSc(Hons)(Iran)</b> .....  | Applied Mathematics |
| Thesis: Process Modelling and Optimization (Visbreaker Static Model: VSM)   |                     |
| <b>Brown, Raylan Talbot, BSc(Hons)</b> .....  | Geology             |
| Thesis: The Petrology and Geochemistry of the Merensky Reef in the Rustenburg Area.   |                     |
| <b>Budnik, Krzysztof, BSc(Hons)</b> .....   | Plant Pathology     |
| Thesis: The Epidemiology and Control of Capsicum Viruses in Natal.  |                     |
| <b>Chaumba, Jefferson Brighton, BSc(Hons)(Witwatersrand)</b> .....  | Geology             |
| Thesis: The Petrology and Petrogenesis of the Websterite Layer and the Mafic Sequence of the Darwendale Subchamber, Great Dyke, Zimbabwe. |                     |
| <b>Clarke, Matthew Charles, MCogSc(New South Wales)</b> .....   | Computer Science    |
| Thesis: Possible Models Diagrams - a New Approach to Teaching Propositional Logic.  |                     |
| <b>Docherty, Andrew James Angus, BSc(Hons)</b> .....  | Chemistry           |
| Thesis: Synthesis and Characterisation of Succinic Acid Derived Surfactants.  |                     |
| <b>* Feltham, Nicola Frances, BSc(Hons)</b> .....   | Entomology          |
| Thesis: The Ecology of a Pietermaritzburg Butterfly Assemblage: A Conservation Perspective.   |                     |

- Ferrar, Gavin Ronald, BSc(Hons)(Witwatersrand)** . . . . . Geology  
Thesis: The Metamorphic Geology of the Arimalsrygen, Western Dronning Maud Land, Antarctica.
- Govender, Pramanathan, BSc(Hons)** . . . . . Entomology  
Thesis: The Pest Status and Chemical Control of Whitegrubs and Cutworms in Forestry in the Natal Midlands.
- \* **Gunning, Mark Julian, BSc(Hons)** . . . . . Physics  
Thesis: An Interferometric Investigation of the Quadratic Electro-Optic Effect in KDP.
- \* **Hare, Peter Derek, BSc(Hons)** . . . . . Plant Molecular Biology  
Thesis: Molecular Characterisation of the Gene Encoding  $\Delta^1$  Pyrroline-5-Carboxylate Reductase Isolated from Arabidopsis Thaliana(L.) Heynh.
- Kader, Darryl Dominic, BSc(Hons)(Rhodes)** . . . . . Chemistry  
Thesis: Tertiary Amine-Catalysed Diels-Alder Reactions.
- Longley, Jeffrey Charles, BSc(Hons)(Witwatersrand)** . . . . . Chemistry  
Thesis: Reactions and Reactivity of Allylic and Benzylic Carbamates.
- Lugemwa, William Henry, BCom(Hons)(UNITRA)** . . . . . Economics  
Thesis: Seasonal Agricultural Loan Success or Failure in a (Coursework)  
Formal Credit Market.
- Maboka, Maboka Sydney, BSc(Lesotho),** . . . . . Chemistry  
Thesis: Influence of Alkali Metal Promotion on the Properties of Co-Precipitated Cu/Zn/Cr Higher Alcohol Synthesis Catalysts.
- Mabuza, Mbongeni Henry, BSc(Hons)** . . . . . Geology  
Thesis: The Geology and Geochemistry of the Volcanic Rocks of the Pongola Sequence in Southern Swaziland.
- Marshall, Charles Gerald Anthony, BSc(Hons)** . . . . . Geology  
Thesis: The Stratigraphy of the Natal Group.
- \* **Martin, Darren Patrick, BSc(Hons)** . . . . . Genetics  
Thesis: Isolation of an Acetochlor Detoxifying Bacterium and Cloning of an Associated Gene.
- Mathekga, Abby Danny Matome, BSc(Hons)(UNIN)** . . . . . Botany  
Thesis: Some Physiological Responses of the Tepary Bean (*Phaseolus acutifolius*) (Gray).
- \* **McKenzie, Andrew Graham, BSc(Hons)** . . . . . Botany  
Thesis: An Investigation into The Seed Biology of *Lolium Multiflorum* Lam., Var. Midmar (Westerworlds)



- Mendes, Francisco Gil Rodrigues, BSc(Hons)** . . . . . Microbiology  
Thesis: An Examination of Bacteriophages in Water and their Possible Role as Indicators of Enteric Viruses.
- Meyer, Jean Blair, BSc(Hons)** . . . . . Plant Molecular Biology  
Thesis: Isolation and Characterisation of Senescence-Related Genes in Carnations.
- Ntuli, Nkosinathi Bhelukwenza, BSc(Hons)** . . . . . Microbiology  
Thesis: Isolation of Antibiotic-producing Microorganisms from Natural Habitats in Natal and Partial Purification of their Active Compounds.
- Osborn, Rae, BSc(Hons)** . . . . . Entomology  
Thesis: Niche and Life-history Differences in Five Highly Sympatric Species of *Trithemis* Dragonflies (Odonata:Libellulidae)
- \* **Sargent, Carol-Ann, BSc(Hons)** . . . . . Psychology  
Thesis: Psychomotor Functioning and Physiological Arousal in Chronic Fatigue Syndrome.
- Simpson, Andrew John, BSc(Hons)** . . . . . Geography  
Thesis: Real-time Analysis of Atmospheric Pollution and its Implications in Pietermaritzburg.
- Spencer, Phillip Douglas, BSc(Hons)** . . . . . Biochemistry  
Thesis: Purification, Characterisation and Immunochemistry of the Calpain System in Porcine Erythrocytes.
- \* **Stokes, Christopher John, BSc(Hons)** . . . . . Botany  
Thesis: Degradation and Dynamics of Succulent Karoo Vegetation.
- Sumner, Paul Douglas, BSc(Hons)** . . . . . Geography  
Thesis: Rates and Controls of Footpath Erosion in Giant's Castle Game Reserve, KwaZulu/Natal Drakensberg.
- \* **Tscheuschner, Marlies Hildegard, BSc(Hons)** . . . . . Entomology  
Thesis: Comparison of Four Diagnostic Techniques for the Detection of Malaria.
- Tsoka, Joyce Mahlako, BSc(Hons)** . . . . . Zoology  
Thesis: Effect of Pyrimethamine on Gametocytogenesis, Exflagellation and Asexual Growth in Southern African Isolates of *Plasmodium Falciparum*.
- \* **Warwick, Barry, BSc(Hons)** . . . . . Chemistry  
Thesis: Dinuclear Complexes of Copper Silver and Gold Bridged by Phosphoruspyridyl and Phosphorusnaphthyridyl Ligands
- \* **Whitley, Nicola Susan, BSc(Hons)** . . . . . Mathematics  
Thesis: Fischer Matrices and Character Tables of Group Extensions.
- Wood, Alan Robert, BSc(Hons)** . . . . . Plant Pathology  
Thesis: The Isolation and Control of Plant Pathogenic Fungi in Hydroculture.

- \* **Wiederhold, Alexandra Helena, BSc(Hons)(Witwatersrand)** . . . . . Microbiology  
Thesis: Isolation, Selection and Cultivation of Lactic Acid Utilizing Bacteria for the Treatment of Chronic and Acute Lactic Acidosis.

## MASTER OF AGRICULTURAL MANAGEMENT

- |  |                        |
|--|------------------------|
|  | <i>Discipline</i>      |
| * <b>Bullock, Warwick Ivor, BAgricMgt(Hons)</b> . . . . .  | Agricultural Economics |
| Thesis: Risk Management and use of Information and Computers by Commercial Vegetable Farmers in Kwazulu-Natal. |                        |
| <b>Dlamini, Gilly Mavela, BScAgric(UNISWA)</b> . . . . .   | Agricultural Economics |
| Thesis: Optimum Enterprise Planning at Mhlume Sugar Company with Particular Reference to Machinery Investment. |                        |
| <b>Erasmus, Jaco, BAgricMgt(Hons)</b> . . . . .  | Agricultural Economics |
| Thesis: Economic Evaluation of a Transport Development Programme for Small-scale Cane Growers.                 |                        |

## MASTER OF SCIENCE IN AGRICULTURE

- |   |                                    |
|---|------------------------------------|
|   | <i>Discipline</i>                  |
| * <b>Barlow, George Richard, BScAgric</b> . . . . .   | Agricultural Economics             |
| Thesis: An Economic Analysis of Soil Conservation policy for selected Commercial farms in Kwazulu-Natal.            |                                    |
| <b>Durrans, Lesley Jane, BScAgric(Hons)(Edinburgh)</b> . .  | Animal Science and Poultry Science |
| Thesis: Capacitation of Nguni semen for invitro fertilization of Bovine oocytes.                                    |                                    |
| * <b>Hartmann, Fiona-Dee, BScAgric</b> . . . . .  | Animal Science and Poultry Science |
| Thesis: The effect of dietary sodium bicarbonate supplementation on the metabolism of selenium and copper in sheep. |                                    |
| <b>Hugo, Elbè, BScAgric(Pret)</b> . . . . .   | Microbiology and Plant Pathology   |
| Thesis: Maize Root rot in South Africa.   |                                    |
| * <b>Lutge, Bernd Uwe, BScAgric</b> . . . . .   | Grassland Science                  |
| Thesis: Patch grazing in the humid grasslands of KwaZulu/Natal.   |                                    |
| <b>MacCallum, Kim Barbra, BScAgric</b> . . . . .  | Animal Science and Poultry Science |
| Thesis: The effect of different methods of controlling urolithiasis on ovine mineral metabolism.                    |                                    |



- MacFarlane, Angela, BScAgric** . . . . . Animal Science and Poultry Science  
Thesis: Studies on Calcium and Phosphorus Requirements, Calcium Appetite and Feeding Patterns on Laying Hens.
- Musto, James Windham, BScAgric** . . . . . Agronomy  
Thesis: Changes in Soil Physical Properties and Related Hydraulic Characteristics caused by Eucalyptus Plantations.
- Panagos, Michael David** . . . . . Grassland Science  
Thesis: A Comparative Classification of the Sourish-Mixed Bushveld on the Farm Roodeplaat (293 JR) using Quadrat and Point Methods.
- Paton, Neil Duncan, BScAgric** . . . . . Animal Science and Poultry Science  
Thesis: The Effect of Environmental Temperature on the Performance of Boilers.
- Phillips, Robert Lesley, BScAgric** . . . . . Grassland Science  
Thesis: The Influence of Management on Tiller Dynamics, Dry matter yield and certain Economic Aspects of tall Fescue (*Festuca Arundinacea* Schreb.) pastures.
- \* **Relihan, Michael David, BScAgric** . . . . . Microbiology and Plant Pathology  
Thesis: A Study of Ectomycorrhizae of Commercially grown Eucalyptus and Pinus Spp. in Natal.
- Rossaak, Andrew Leif, BScAgric** . . . . . Grassland Science  
Thesis: Towards a Technique for Investigating the Effect of Rainfall and Temperature on the Growth of Themeda Triandra and Tristachya Leucothrix.
- Schröder, Arthur Wilhelm, BScAgric** . . . . . Agronomy  
Thesis: The Physiological Role of Calcium, Nickel and Molybdenum in the Growth and Development of Soybean (*Glycine max* (L.) Merr.)
- Williams, Brett Andrew, BScAgric** . . . . . Animal Science and Poultry Science  
Thesis: Determination of Bulk Density and its Constraining Effect on Feed intake in Poultry and Pigs.
- Wynne, Adrian Theodor,** . . . . . Agricultural Economics  
Thesis: Institutions to govern Wildlife in the Developing Regions of Kwazulu-Natal.

## BACHELOR OF AGRICULTURAL MANAGEMENT (HONOURS)

	<i>Discipline</i>
<b>Banks, Simon James, BAgriMgt</b> . . . . .	Agricultural Management
<b>Hinze, Dieter Karl, BAgriMgt</b> . . . . .	Agricultural Management
<b>Marucchi-Chierro, Filippo, BAgriMgt</b> . . . . .	Agricultural Management

## BACHELOR OF SCIENCE IN DIETETICS (HONOURS)

	<i>Discipline</i>
<b>Downs, Jane Helen, PGDipHosDiet(Pretoria)</b> . . . . .	Dietetics

## BACHELOR OF SCIENCE (HONOURS)

### *Discipline*

* Adendorff, Rosemary, BSc	Plant Pathology
Badul, Jenitha, BSc	Plant Pathology
Bernardis, Francesco Luigi, BSc	Chemistry
Bezuidenhout, Elsa Suzette, BSc	Biochemistry
Bowker, Graeme Holden, BSc	Hydrology
* Bowker, Katherine Lauren, BSc	Biochemistry
Cooper, Richard Edward Quibell, BSc	Grassland Science
Crankshaw, Neal Robert, BSc	Biochemistry
Cripps, Garth Hereward, BSc	Chemistry
Crosson, Kerry Allison, BSc	Biochemistry
* Cunningham, Colleen Anne Balfour, BSc	Zoology
* Currie, Sarah Louise, BSc(Rhodes)	Geography
Damonse, Sandra Mary, BSc	Biochemistry
Davies, Athol Allon, HDE, BSc	Zoology
Dunlop, Robert William, BSc	Genetics
Elliott, Leigh-Anne Claire, BSc	Hydrology
Esprey, Luke John, BSc	Hydrology
Evans, Reginald Sean, BSc	Geology
Feely, Neal Herbert, BSc	Computer Science
Figenschou, Ingrid, BSc	Computer Science
Fletcher, Rachel Linda, BSc	Entomology
Fry, Bevan Ian, BSc	Botany
* Goddard, Keith Warren, BSc	Zoology
* Gold, Robert Raymond, BSc	Geology
* Goodall, Julia Louise, BSc	Plant Pathology
* Gous, Alan Thornton, BSc(Hons)	Statistics
Grieve, Judith Elizabeth, BSc	Chemistry
Grimmer, Craig Douglas, BSc	Chemistry
Harraway, Trevor John, BSc	Hydrology
Hodgson, Michele Louise, BSc	Statistics
Hood, Mark Houghton, BSc	Microbiology
Jarmey-Swan, Claire, BSc	Microbiology
Khan, Fatima, BSc	Chemistry
Kirkman, Stephen Patrick, BSc	Zoology
* Lidgett, Sandra, BSc	Biochemistry
Lotz, Michéle Karen, BSc	Botany
MacFarlane, Robert Jonathan, BSc	Geology
Mahabir, Sanjay, BSc	Chemistry
Maharaj, Shimul Kumar, BSc	Physics
Makhubalo, Augustine Nceba, BSc	Biochemistry
Mautsoe, Puseletso Jacinta, BSc(Lesotho)	Botany
Mazibuko, Nomthandazo Patience, BSc	Microbiology
Mdunge, Sibusiso Israel, BSc	Chemistry
Molatudi, Mohohlo William, BSc	Molecular Biology
Moodley, Deshendran, BSc(UDW)	Computer Science
* Moodley, Magandaran, BSc	Geography
Morty, Rory Edward, BSc	Biochemistry

\* Degree awarded *cum laude*



	Mthembu, Bhekizitha Wiseman, BSc	Chemistry
	Muir, Andrew Robert, BSc	Zoology
	Naidoo, Throshni, BSc	Computer Science
	Nicholls, Michael Bennett, BSc	Microbiology
	Oelofse, Clint, BSc	Biochemistry
	Orpen, Kate, BSc	Microbiology
	Perchman, Lee-Ann Barbara, BSc	Microbiology
*	Pero, Lionel Vincent, BSc	Zoology
*	Purchase, Susan Elizabeth, BSc	Biochemistry
	Raja, Sashnee Ballakista, BSc	Microbiology
	Ramsingh, Bernice Lara Rubenthri, BSc	Chemistry
	Rein, Susan Margaret, BSc	Psychology
*	Rivers-Moore, Nicholas Andrew, BSc	Entomology
	Roskruge, Carol Lynnette, BSc	Molecular Biology
*	Scholfield, Nicola Gillian, BSc	Biochemistry
	Schwegler, Frank Rudolf, BSc	Chemistry
	Short, Victoria Helen, BSc	Geology
	Shrader, Adrian Morgan, BSc(Ohio)	Zoology
	Singh, Adhishri, BSc	Microbiology
*	Steiger, Anne, BSc	Plant Pathology
	Stone, Richard James, BSc, HDE	Geography
	Swaffield, Mark Stanton, BSc	Geology
	Swart, Istine, BSc, HDE(Stell)	Mathematics
*	Tennant, Geoffrey Wellesley, BSc	Plant Pathology
	Veldtman, Darryl Grant, BSc	Botany
	Vorster, Michael Francis, BSc	Biochemistry
*	Wallis, Christopher Roy, BSc	Physics/Computer Science
	West, Penelope Susan, BSc	Psychology
	Zimmermann, Reinhardt Ernst, BSc	Molecular Biology

## BACHELOR OF SCIENCE IN AGRICULTURE

	<i>Discipline</i>
<b>Allen, Peter Michael</b>	Horticultural Science
<b>Arnold, Gary Desmond</b>	Animal Science
<b>Bard, Zac Jon</b>	Horticultural Science
<b>Bennett, Gregory James</b>	Agricultural Economics
<b>Berry, Robert James</b>	Animal Science
* <b>Biggs, Kenneth Charles</b>	Agricultural Economics
<b>Bird, Patrick Warren</b>	Horticultural Science
<b>Blanks, David</b>	Agricultural Production/Horticultural Science
<b>Bowles, Chloe Melissa</b>	Animal Science
α <b>Brüggemann, Edgar Alfred</b>	Agricultural Production
<b>Buchan, Andrew Travis</b>	Agricultural Economics
α <b>Chiswell, Karen Elizabeth Anne</b>	Biometry
<b>Clayton, Arthur James</b>	Agricultural Economics

\* Degree awarded **cum laude**

α Degree awarded **summa cum laude**

α	Clegg, Bruce William	Grassland Science
	Coetzee, Natalie Ann	Genetics
	Crocker, Andrew Barry	Agricultural Production
	D'Amant, Paul John	Agricultural Production
	Danckwerts, Keith Alan	Agricultural Economics
	Dominy, Neil John	Animal Science
	Donald, Robert Michael	Horticultural Science
	Douglas, Glynn Robert	Horticultural Science
	Ferrer, Stuart Richard Douglas	Agricultural Economics
	Forbes, Brent Dennis	Grassland Science
	Ford, Roderick Steven	Agricultural Production
	Frederic, Mark Phillip	Horticultural Science
	Frudd, Sandra Lorraine	Horticultural Science
	Gammon, Neil Michael	Agricultural Economics
	Geddie, Diane Fraser	Grassland Science
	Goddard, Leanne Lisl	Animal Science
	Green, Laurelle	Animal Science
	Hughes, Gregg Kilby	Agricultural Production
	Jooste, Luke John	Agricultural Economics
	King, Lance Joseph	Agricultural Production
	Koller, Martin William	Agricultural Economics
*	Kuhn, Manfred Edmund	Agricultural Economics
	Macaskill, Kevern Warrick	Horticultural Science
	Mahabeer, Janitha	Animal Science
	Marriott, David John	Grassland Science
	McBride, Craig Alan	Animal Science
	Mitchell, Andrew	Agricultural Economics
	Moore, Murray Coulson	Agricultural Production
	Nicoll, Neil Duncan	Agricultural Economics
	Oostindiën, Evert Warnar	Horticultural Science
	Pillay, Kirubashin Nadarajh	Plant Breeding
	Prince, Duncan Hardy	Agricultural Economics
	Retzlaff, Anthony Paul	Horticultural Science
	Robert, Nicholas Christian	Agricultural Production
*	Roberts, Victor Giles	Soil Science
	Sands, Gerard Deneys	Agricultural Economics
	Scherzer, Paul Jonathan	Horticultural Science
	Stein, Byron	Animal Science
	Swanepoel, Deon Smartenryk	Agricultural Economics
	Thompson, Nicholas Christopher	Grassland Science
	Turnbull, Clare Elizabeth	Animal Science
	Twort, Rory Barton	Animal Science
	Van Der Merwe, Duncan	Grassland Science
	Van Deventer, Ryan	Animal Science
	Walker, Robert Eduard	Horticultural Science
	Wiseman, Erica Jean	Grassland Science

\* Degree awarded **cum laude**

α Degree awarded **summa cum laude**



## BACHELOR OF AGRICULTURAL MANAGEMENT

Ardé, Brett Alan  
Armstrong, Gillespie Murray  
Arnott, Philippa Jane  
Crawford, John Alexander  
Evans, Graham Richard  
Green, Michael John  
Hancox, Gayle Shirley  
Hegeler, Peter Clemens  
Henderson, Allison Mary

Lamb, Roy Trevor  
Loughor-Clarke, Simon Andrew  
McElligott, Dirk Michael  
Stockil, Ross Christopher  
Sturgess, Christopher John  
Style, Barry George Sandford  
Venter, Michael Grant  
Whitfield, James Edward Thomas

## BACHELOR OF SCIENCE IN DIETETICS

Cook, Karin  
Cullen, Joanna Caroline Morgan  
Daniels, Michelle Diane  
Deppe, Marianne  
Duffield, Nicola Lesley  
Engelbrecht, Nicole  
Goldsworthy, Michelle  
Lawrence, Justine Amelia  
Leatherbarrow, Amanda Jane  
Mdubeki, Nosandi Yvonne Beryl  
Meaker, Jill Louise  
Moodley, Shenesha

Naisby, Lisa-Marie  
Nevin, Tamany Joan  
Pillay, Looventharee  
Piovesan, Raffaella Lucia Chiara  
Sayed, Nazeia  
Seidler, Michelle  
Spratek, Andrea  
Sterley, Corrinne Rae  
Thies, Donna Tamar  
Weaving, Sharon Lee  
Wright, Julie Lynn

## BACHELOR OF SCIENCE

(Major subjects which candidates have passed in the first class are shown in brackets)  
(Major subjects in which candidates have achieved distinctions are shown in brackets in bold)

Adie, Bronwyn Kathleen  
Armstrong, Melanie Jennifer  
Askham, Lloyd Geoffrey  
Atwaru, Yakeen Mooniraj  
Balcomb, Sarah Brigitte  
Ballim, Faeza  
Batsotsi, Paluku  
Beck, Sascha Lynn  
Beharee, Vihitha  
Berjak, Leonie Karen

Bloemsma, Nikki Lee  
Bourquin, Sven Leon  
Breebaart, Lorene  
Broomhall, Lynne Susan  
Brown, Shelagh Mary  
Brown, Warren Graham Cave  
(Applied Chemistry)  
 $\alpha$  Cavé, Lisa Caryn (Chemistry,  
Geology)

$\alpha$  Degree awarded **summa cum laude**

α Chetty, Deshenthree (Chemistry,  
     Geology)  
     Connery, David Gary  
     Crosby, Christine Mary  
     Cumming, Paula Janet  
     Cwele, Michael Simphiwe  
     Davies, Claire Linley  
 α De Leeuw, Barbara Marielle (Applied  
     Chemistry, Chemistry)  
     De Villiers, Kelly  
     De Waal, Sijmon Kees Eric  
 \* Drew, Kim, (Applied Chemistry,  
     Chemistry)  
     Duncan, Andrew Cameron  
     Field, Courtney Robin  
     Ford, Catherine Susan  
     Fynn, Richard Warwick Sinclair  
     Gabriel, Alistair Fanley  
     Gama, Fanele Nonjabulo  
     Govender, Nushendren  
     Govender, Romala  
     Green-Thompson, Bradley John  
     Gumede, Stephen Napolian Zibusiso  
     Hall, Felicity Jane  
     Hester, Lauren  
     Hickson, Rory MacReady  
     Hlengwa, Zanele Zenneth Christinah  
     Hurrell, Lisa-Michelle  
     Jackson, Helen Susan  
     James, Shayleen  
     Johnson, Andrew Robert  
     Johnson, Stephanie  
     Johnstone, Pamela Dawn  
     Jugadoe, Shamil  
     Khan, Shabeer  
     Khumalo, Victor Sibusiso  
     Khuzwayo, Gladness Bonakele  
     Knox, Nichola Maria  
     Lechmere-Oertel, Richard Geoffrey  
         (Zoology)  
     Lehnerdt, Richard David  
     Light, Marnie Elizabeth  
     Lowe, Kerry Lynne  
     Lumsden, Trevor Graeme  
     Mabaso, Ntombikhona Joyce  
     Machaba, Kulani Patrick  
     Mackay, Lynda Barbra  
     MacKenzie, Glynis Jane  
     Madlala, Hyacinth Sibusiso Mpumelelo

Marriott, Michael Stephen  
 Martindale, Gregory John  
 Masondo, Sbongile Pearl-Gene  
 Mathews, Paul  
 α May, Noelene (Applied Chemistry,  
     Chemistry, Physics)  
     Mbatha, Hamilton Bonginkosi Sibonelo  
 α McGaw, Lyndy Joy (Genetics,  
     Molecular Biology)  
     Mdletshe, Siphumelele Purity  
         Nonsikelelo  
     Mealini, Peter Edward  
     Memela, Siphwe Muziwenkosi  
     Meter, Sarah Louise  
     Mhlongo, Jacqueline Lungisile  
     Moodley, Garin Clement  
     Moodley, Nelendren  
     Moodley, Shomenthree  
     Moutloali, Richard Motlhaletsi  
     Mtoba, Dumisani  
     Myeza, Mtunzi Sibongiseni Goodhope  
     Mynhardt, Marianne Clare  
     Naidoo, Shamala  
     Ndlovu, Nonhlanhla Patricia  
     Ndlovu, Thamsanqa Milton  
     Nichha, Husmeeta  
     Ntsele, Qaphile Purity Zelda  
     Nxele, Vumile Brian  
     Nyewula, Boneni Nonhlanhla  
     Perrin, Benjamin John, BSc  
     Phehane, Vuyisile Ntosi  
     Pillay, Prishika  
     Pistorius, André Philip  
     Pistorius, Pierre Anton  
     Rangiah, Richard Udhayakumar  
     Roblin, Dale Llewellyn  
     Ruiter, Sandra Lynne  
     Rushworth, Melanie Jean  
     Schagen, Kathrynne Willemina  
     Shaik, Rishaad  
     Shearer, Nicollette (Biochemistry)  
     Shepherd, Martin Hyett  
     Smith, Janine Peta  
     Sowry, Richard James Gerald  
     Spondo, Bukiwe  
 α Steyn, Alicia Pamela (Applied  
     Chemistry, Chemistry)  
     Steyn, Trevor  
     Steytler, Raymond Brent

\* Degree awarded cum laude

α Degree awarded summa cum laude



**Taljad, Deon**  
**Taylor, Dalton Andrew Cavill**  
**Taylor, Heather-Ann**  
**Taylor, Kerry Lyn**  
**Thomas, Justin Mathew**  
**Thwala, Kheshe Moses**  
**Turner, Jason Andrew**  
**Vahed, Sameera**  
**Vanker, Ayesha**  
**Vlachos, Vaso**  
**Walker, Alix Joan**

**Walker, Hayley**  
**Walljee, Nadia Eureka**  
**Watson, Caren**  
**α Weatherall, Dianne Erika**  
**(Mathematics, Statistics)**  
**Westley, Gavin David**  
**Woods, David Buchanan**  
**Wright, Kerry-Ann**  
**Zulu, Nkululeko Sebenzani**  
**Zuma, Khumbuzile Dorcas**

## DIPLOMATES

### POST-GRADUATE DIPLOMA IN DIETETICS

**Bux, Fathima, BScDiet**  
**Carruthers, Lisa Elizabeth,**  
     BScDiet  
**Denison, Monique Elaine,**  
     BScDiet  
**Doherty-Bigara, Melanie Gayle,**  
     BScDiet  
**Holcroft, Gillian, BScDiet**  
**Jamieson, Lauren, BScDiet**  
**Keown, Claire Sarah, BScDiet**  
**Knott, Wendy Ann, BScDiet**

**Mclean, Susan Catherine, BScDiet**  
**Mda, Pamela, BScDiet**  
**Mthethwa, Ella Lillian, BScDiet**  
**Naidu, Veni, BScDiet**  
**Nel, Jacqueline Tracy, BScDiet**  
**Quibell, Dale Claire, BScDiet**  
**Ramroop, Risha, BScDiet**  
**Spencer, Patricia Katharine, BScDiet**  
**Walker, Deborah Jane, BScDiet**  
**Wiseman, Jane Margaret, BScDiet**

α Degree awarded *summa cum laude*

## **DISTINGUISHED TEACHERS' AWARDS**

Distinguished Teachers' Awards have been instituted in order to give special recognition to members of the permanent academic staff for exceptional teaching ability. Recipients are elected for the award by their peers and representatives of the student body.

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### **PROFESSOR GLYNN DAVIES**

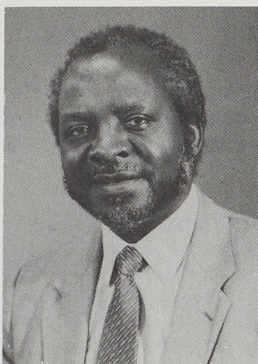
To be a truly outstanding University teacher requires a keen intellect and a sound grasp of one's subject, both in depth and width. To these must be added a rapport with students, the capacity to hear and understand their difficulties, and seemingly inexhaustible amounts of energy, enthusiasm and patience. Beyond this, the exceptional teacher will always be exploring new ways of communicating his or her subject matter to students so that it will not only be stimulating and memorable but will extend their analytical and problem-solving abilities. Professor Glynn Davies embodies all these attributes, which have been appreciated by, and won him the respect of, generations of students.

Glynn Davies subscribes to the teaching philosophy which has it that seeing is not only believing, seeing also assists in understanding. His lectures are filled with an exciting range of demonstrations and experiments designed to illustrate, clarify and entertain. Many students of the past two-and-a-half decades will remember his lectures and experiments when all traces of other lectures have faded into oblivion.

In his use of visual teaching material, Professor Davies was among the first in this country to appreciate the potential and to learn how to exploit the medium of television to maximum effect. In so doing, he has developed a number of new techniques, many of which have been reported in international scientific journals. Today he has to his credit a wide range of outstanding films which can be drawn on in the teaching of Physics. His reputation as a teacher extends well beyond our shores and is testified to in the glowing reports which have reached us from students he lectured to in Canada and Australia where he spent his sabbaticals.

It is for his service to his students and to this University as a truly outstanding teacher that we recognize **PROFESSOR GLYNN DAVIES**.





CONFERMENT OF THE DEGREE  
OF DOCTOR OF LAWS  
*honoris causa* UPON  
WALTER JOSEPH KAMBA

Walter Kamba was born in Zimbabwe in 1931, and took a BA and an LLB at the University of Cape Town. He later obtained an LLM at Yale. For ten years he practised in the High Court of Southern Rhodesia (as it then was).

In 1967 he became Research Fellow at the Institute for Advanced Legal Studies of the University of London. In 1969 he was appointed Lecturer in Comparative Law and Jurisprudence at the University of Dundee. He was later promoted to Senior Lecturer, and served as Dean and as University Orator. He also became Legal Adviser to ZANU (PF) and played an important role at the Lancaster House Conference.

He returned to his home country after independence, as Professor of Law at the University of Zimbabwe. In 1981 he was appointed Vice-Chancellor, in which capacity he served with distinction for eleven years. He also found time to devote himself to wider causes associated with university education and cultural exchange, with development, with conservation, with the media and with the supervision of elections. He has served on the central committees of the Association of Commonwealth Universities, the Association of African Universities and the International Association of Universities, of which he has been President since 1990. He has also been and still is involved, often in an executive or trustee capacity, with numerous other national and international bodies and associations. He has also served on the governing bodies of universities in southern Africa, Japan and Costa Rica.

Of special interest to South Africans is the fact that he was one of the five international members of the Independent Electoral Commission for last year's elections.

Recently he has been concerned particularly with the development of legal education. He has held visiting professorships at universities in Canada and the Netherlands. Since 1994 he has been first Professor of Law and founding Dean at the University of Namibia.

Professor Kamba has received a number of honorary degrees and other awards. The French Government has honoured him; in 1985 he was voted Zimbabwe Manager of the Year; in 1991 he was elected a fellow of the World Academy of Art and Science; in 1992 he received the Symons Award for outstanding service to Commonwealth universities.

The University of Natal honours Walter Kamba for his remarkable contributions to higher education, to development and to democracy.

## A BRIEF HISTORY OF THE UNIVERSITY OF NATAL

*In 1910, partly on the initiative of the Natal Colonial Government, the Natal University College (NUC) in Pietermaritzburg enrolled its first 57 students. A handful of Professors taught in various venues, even in a corrugated iron annexe behind Maritzburg College! In 1912 the Old Main Building at Scottsville opened.*

*But from the beginning there had been a strong feeling that Durban, too, should have the advantage of tertiary education. Here the Natal Technical College supplied the foundation, though by 1922 NUC had taken over courses in engineering and commerce. In 1932, Howard College opened on the Durban Berea. Thus was born an abiding feature of the NUC - its dual-based character. In scale it remains unique in South Africa.*

*With the dedicated assistance of the Fabian Socialist, Mabel Palmer, classes for so-called "non-europeans" were run by NUC from 1936 onward. Gradually the non-racial character of the institution established itself; though the Medical School, founded in 1951 for African Indian and "Coloured" students still fitted the segregated pattern of the surrounding society. The National Party Government's University Act of 1959 was a blow to this emergent non-racialism. Overriding all protest, it not only imposed apartheid on the institution but also drew strict limits around the "autonomy" that the NUC had achieved in 1949 as the "University of Natal". Aside from the Medical School, persons of colour were forbidden to enter the University till racial restrictions were partly lifted in 1983. Since then the University has welcomed increasing numbers of students who are not white, whose overall number in 1993 stood at 48.8% of the University's total enrolment.*

*A major step in developing "dualism" was taken in 1952, when Dr E G Malherbe moved the administrative function from Pietermaritzburg to Durban. Departments in the two centres separated in 1973; though when academic expertise is needed, there is still much fruitful interchange between Durban and Pietermaritzburg. Today 9500 students are in the former centre and 5500 in the latter. There is a considerable overlap of subjects offered in Arts, Humanities, Law, Commerce and Natural Sciences. But the Durban campus has long been recognised for its Engineering, Architectural and Medical Faculties; while Pietermaritzburg developed its highly regarded Agricultural Faculty.*

*The University of Natal has been fortunate in having some outstanding men as Principals and Vice-Chancellors. A sign of changing historical times has been the recent appointment of the first woman to achieve this status at a South African university, Professor Brenda Gourley. The largely ceremonial Chancellors, too, have been distinguished, not least the present incumbent, Archbishop Hurley. Among the alumni are men as renowned in their somewhat different fields of endeavour as Alan Paton and Steve Biko; while Honorary Graduates include Roy Campbell, Abdullah Ibrahim and Nelson Mandela.*

*The old order yields place to the new. Today the University has embarked on a major re-evaluation of its role in future South African Society. This is reflected in its Mission Statement 1989, which dedicates the University in practical and realistic terms to service of the whole regional community, irrespective of race, sex, colour, creed or nationality. In incorporating development as a key component of its Mission besides teaching and research, the University has declared its commitment to upliftment but not at the cost of academic standards. This is the responsibility the University will have to shoulder in the stirring times that stretch up to the Centenary Year 2010.*



## THE CHANCELLOR

"Chancellor" is an office that goes back to antiquity; the original cancellarius regulated access to the Roman Tribune. In medieval times, the office became associated with the heads of the writing departments of early kings. Because so few people were literate, a chancellor was automatically learned. This explains why heads and spokesmen of the early universities were also accorded the title. More recently, the office has become largely symbolic. The executive head of a university is its vice-chancellor.

Archbishop Hurley is the current Chancellor of the University of Natal. His predecessors are: The Honourable D G Shepstone (1949-1966), Dr G G Campbell (1967-1973), Dr B A Armitage (1973-1983), and the Honourable R N Leon QC (1983-1992)

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## THE MACE

The Chancellor's Mace, generally referred to as "The Mace", is used on ceremonial occasions presided over by the Chancellor and is regarded as the Chancellor's staff of "office". It symbolises the University's protection of its Chancellor.

The use of the mace as a symbol of authority has a long history. The head of a copper mace, which apparently dates back to the 12th century before Christ, has been excavated at Beyce Sultan in Asia. In the early centuries, churchmen who went to war often carried a mace in preference to a sword. One side of the mace-head was beautifully decorated with the owner's emblem and on the other side was a large knob which served as a weapon, and was always round so that the church law never to shed blood was always carefully observed!

In the early centuries the mace was a symbol of the king's authority. During the power struggle between the king and the Commons in the 13th century, the king gave the speaker the mace as a symbol of his indemnity against arrest.

The Mace was designed by Mr G H Atkins, senior lecturer in sculpture in the University's Department of Fine Arts, was made in England and was first used at the 1970 graduation ceremonies.

## THE ARMORIAL BEARINGS

(see front cover)

The armorial bearings of the University of Natal were awarded by the College of Arms in London.

The two black wildebeeste come from the arms of the Province of Natal. They are shown in full course to symbolise movement and progress.

The two open books represent the universal heritage of knowledge and the two centres of the University, Durban and Pietermaritzburg.

The five-pointed star refers to the naming of Natal by Portuguese navigators when they landed for the first time at Durban on Christmas Day in 1497. *Stella Aurorae*, star of the dawn, symbolises the role of the University in bringing to light new knowledge and spreading the enlightening influence of education.

\*\*\*\*\*

## ACADEMIC DRESS

The wearing of gowns by judges, ministers, teachers and scholars is an ancient and impressive custom. When the graduating students at universities receive their diplomas or degrees they, too (and perhaps, for some, only this once in their lives) wear the caps and gowns of this long tradition. By wearing the ancient regalia, they hold hands with students past and students present. In modern times the standard cap and gown are almost universally worn. Of all the components of the costume, the hood conveys the greatest amount of information : it makes clear the level of the degree, the faculty in which it was given, and the institution which awarded it.

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## CONVOCATION

After being capped by the Chancellor, each graduate moves across the stage and hands to the President of Convocation or his representative a hood incorporating colours that indicate the degree being awarded and the Faculty in which it is being awarded. The President of Convocation places the hood upon the graduate's shoulders, and, at the end of the ceremony, after the Chancellor's procession has left the stage, leads a procession of the new graduates out of the hall, row by row, to symbolise their acceptance into, and future membership of, the Convocation of the University of Natal, the statutory body through which graduates have the opportunity to play a continuing part in the affairs of their University.



## NKOSI SIKELEL' i-AFRIKA

1. Nkosi sikelel' i-Afrika,  
Maluphakanyisw' udumo lwayo.  
Yizwa imithandazo yethu,  
Nkosi sikelela,  
Thina lusapho lwayo.

*(Repeat verse)*

Woza moya ....  
Woza moya ....  
Woza moya, oyingcwele.  
Usisikelele,  
Thina lusapho lwayo.

2. Morena bōlōka sēchaba sa hesō,  
Ōfelise lintōa lē matsōenyeho.  
Morena bōlōka sēchaba sa hesō,  
Ōfelise lintōa lē matsōenyeho.  
Ōsēbōlōke ō ... sēbōlōke,  
Ōsēbōlōke morena/Ō ... sēbōlōke.  
Sēchaba sa hesō,  
Sēchaba sa hesō.

Makube njalo,  
Makube njalo,  
Kuze kube ngunaphakade,  
Kuze kube ngunaphakade.

Note: 'ō' is pronounced as 'u', 'ē' is pronounced as 'i' and 'li' (in 'ōfelise lintōa') is pronounced as 'di' ('ōfedise dintōa').

## LORD SAVE AFRICA

(Free translation of Nkosi Sikelel'i-Afrika)

- |  |  |
|--|--|
| 1. Lord save Africa,<br>May its honour be lifted high.<br>Hear our prayers:<br>Lord save<br>Us, the family of Africa.<br><br>Come spirit ...<br>Come spirit ...<br>Come holy spirit,<br>That you may save<br>Us, the family of Africa. | 2. Lord save our country,<br>That you may end wars and oppression.<br>Lord save our country,<br>That you may end wars and oppression.<br>That you may save ... save<br>That you may save Lord ... save<br>Our country,<br>Our country.<br><br>Let it be so,<br>Let it be so,<br>Let it be finally and forever so,<br>Let it be finally and forever so. |
|--|--|

# *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;  
Gaudeamus igitur, juvenes dum sumus;  
Post jucundam juventutem, post molestam senectutem,  
Nos habebit humus, nos habebit humus.

Ubi sunt qui ante nos in mundo fuere?  
Ubi sunt qui ante nos in mundo fuere?  
Vadite ad superos transite ad inferos,  
Ubi jam fuere, ubi jam fuere.

Vita nostra brevis est, brevi finietur:  
Vita nostra brevis est, brevi finietur:  
Venit mors velociter, rapit nos atrociter,  
Nemini parcetur, nemini parcetur.

Vivat Academia, Vivant Professores,  
Vivat Academia, Vivant Professores,  
Vivat membrum quodlibet, vivant membra quaelibet,  
semper sint in flore, semper sint in flore.