

~ n â\200\231 ~  
& Ry /> /s  
/ Â« 4 9  
/

UNIVERSITY OF NATAL

GRADUATION/DIPLOMA  
CEREMONY

1986

FRIDAY 25th APRIL  
18h00

DURBAN



## PROGRAMME

The Chancellor constitutes the congregation.

## PRAYER

Rev. R I Stead

DanceoffthciBlesse diS pinitSHEo B @ ol E lS IR s C W von Gluck

## WELCOME TO GUESTS

The Vice-Chancellor

## PRESENTATION OF THE DIPLOMATES AND GRADUANDS

The Deans of Faculties

SenatalinBDAN a)j o [ Scarlotti  
Sonata in By Major ..o Scarlotti

## HONORARY DEGREE

The Orator presents the Honorary Graduand

ARTHUR CHASKALSON

for the degree of

Doctor of Laws

## ADDRESS

DR A CHASKALSON

SC., B.Com., LL.B. (Witwatersrand)

The Chancellor dissolves the congregation.

Flute: Lara Allen

Pianos: Andrew Warburton, B.Mus.,

Nico Benadie

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

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

Refreshments will be served in the upper gallery at the conclusion of the ceremony.

## OFFICERS

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

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

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

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

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

Orator: P J H Scholtz  
B.A.(Hons.), H.E.D.(Natal)

Registrar: T E Cochran  
B.Com.(Natal)

## DEANS OF FACULTIES

Engineering: H L Nattrass  
Pr.Eng., M.Sc.Eng.(Natal), Ph.D.(Cantab),  
F.(S.A)LE.E., M.LLE.E., Sen.Mem.I.LE.E.E., C.Eng.

Law: L J Boulle  
B.A.(Natal), LL.B.(Stell.)  
. LL.M.(London), Ph.D.(Natal)

Science: A R Meijer  
B.Sc.(Hons.) (Pret), Ph.D.(Unisa)

wn o

## DIPLOMATES

### DIPLOMA IN MARITIME LAW

Askew, Thomas Ian, LL.B.(Rhodes) Kamamis, Panagiotis, B.Com.(Hons.)

Bagqwa, Selby Alan Masibonge, B.Juris(UFH), Milaba, Kwenzakwakhe Elijah, B.Juris (Zululand)  
,  
LL.B.(Unisa) LL.B.(Natal)

Crozier, Robert Andr   Louis, LL.B.(Rhodes) Norton, Anthony John Louis, LL.B.

Grindlay, David, LL.B. Saramtos, Alexander Mark

Hoole, Robert Kenneth Cotterell Silver, Mark Lennard Shane, B.Com.(Cape Town),

Innes, Jonathan Creswell LL.B.(Witwatersrand)

Wolfson, Roy Derek, LL.B.

### GRADUANDS

#### BACHELOR OF SCIENCE

Allison, James Frederik Stuart Leegwater, Sidonia Simone  
Atkins, Michael John Leigh, Jonathan Mark Nicholas  
Aves, Glenda Theres   Leigh, Stephen John  
Badenhorst, Gareth Donald Letschert, Robert Yale  
Bailey, David Andrew McLean, Edurne  
Barrett, Neil Anthony Melville, Stuart William  
Beckering Vinckers, Jan Mey, Rosemary Diane  
Bloy, Peter Desmond Murphy, Philip William  
Boonzaier, Conrad Naidu, Kamcilla  
Botha, Robert Claude Norman Nortj  , Esias Andrew  
Ceglowski, Andrzej Stefan Nortj  , Ginette Rozanne  
Chamberlin, Diana Louise    Oates, Carol Lynne  
Clarke, Clinton Grant Orsmond, Dayle June  
Daniel, Shaelene Heather       Paverd, Bruce Stephen  
de Bruyn, Derek Peter Payne, Peter Neil  
de Villiers, Marienne Sonja Pekrides, Hercules  
Dewar, Janice Perkin, Michael John Rundle  
Dixon, Caroline Louise Radford, Susan Louise  
Dixon, John Gordon Patrick Ramlall, Krishendutt Jewdhun  
Donald, Robyn Reddy, Bharathasarathee  
Engelbrecht, Anton Enslin Rees, Rodney Thomas  
Eriksen, Asger Sandberg Rivalland, Chantal Marie  
Foster, Stephen James Roberts, Michael John  
Goddard, Wayne Dean Russell, Jennifer Mary  
Govender, Kumarasen Scott, Janet Lesley  
Grobbler, Nico Guy Seed, Robert Ivan  
Haffejee, Firoza Shaw, Michael Bruce  
Hage, Teo Bob Shearer, Tracy Lyn  
Hambloch, Holger Edgar Smith, Amanda Caroline  
Hill, Michael Geoffrey   \200\230Smith, Helen Janet  
Holland-Scallan, Cassandra Anne 5 Spaargaren, Ren   Paul  
Hugo, Victor Emmanuel Tulsi, Punkaj Ramnarain  
James, Alison Norma van der Merwe, Lydia Mary  
Janse van Vuuren, Dwaine Francois ot van Vuuren, Gary Wayne  
Julius, Michelle Sharleen Vicente, Joaquim Antonio  
Kemp, Stuart Richard Walters, Maureen Patricia  
Knight, Christopher James    Warren, Ann Brenda  
Krantz, Rainer Maria Wheeler, Rosalyn Joy  
Kure, Piers Jonathan White, Janice Yvonne

Lauton, Dale Allistair

   Degree awarded with distinction

BACCALAUREUS PROCURATIONIS

Field, Graeme Trevor Joseph Maphumulo, Mbangomuni Philemon  
Hack, Bernard Maree, Jurome Jacques  
Johnston, Andrew Mbele, Zolisa Oswell

Khan, Mehmood Enver

BACHELOR OF SCIENCE IN ENGINEERING  
(Department of Agricultural Engineering)

Boothway, David Peter  
Bremner, Mark Hill  
Doorman, Michael Willem  
Furniss, Patrick William

Haywood, Richard Wilfred

Lotz, Peter Ronald

Vermeulen, Paul

Williams, Richmond Paul Bowen

\* Degree awarded in the first class

BACHELOR OF SCIENCE IN ENGINEERING  
(Department of Chemical Engineering)

Becker, Brian Dereck  
Beyleveld, Noel Clement  
Crossley, Clifford Glen  
Dickens, Paul Michael  
Draper, Russell James  
Goosen, Raoul

Halliwel, Kelvin Arthur  
Hartmann, Wayne Patrick  
Hattingh, Sarah-Jane  
Hitchcock, Kenneth Ian

Hlatshwayo, Armistice Bekumuzi, B.Sc.(Zululand)

Hurter, Patricia Nell  
Isaac, Annmarie Elizabeth  
Keay, Leslie James

Mitchell, Sean

Morley, John Patrick  
Myers, Barry Ian

Qertel, Ralph Ernest

Park, Dugald Vincent  
Saayman, Stephen Thomas  
Schultz, Voker Bernd  
Scott, Gary Henry  
Steytler, Albertus Johannes  
Sumner, Paula Anne  
Swindell, Stephen Kevin  
van Egmond, Jan Willem  
Westwood, Brett Winston

\* Degree awarded in the first class

BACHELOR OF SCIENCE IN ENGINEERING  
(Department of Civil Engineering)

Allpass, David John

Botha, Gordon Winston  
Bright, Martin William  
Bryce-Rogers, Evan Dexter  
Donald, Michael George  
Donaldson, Neil Mackintosh  
Edwards, Craig Michael  
Erasmus, Leon Johan  
Eudey, Grant Malcolm  
Gillett, Simon David  
Glanvill, Derek Wayne  
Hall, Antony Alan

Hill, Barry Peter

Holder, Andr   Philip

Makananise, Aifheli Peter, B.Sc.(UNIN)

Martin, Alan Peter  
Mbili, Harvey Sibusiso  
Mnisi, Secret Mafohlo

Montanari, Robert Anthony  
Naidu, Ambalavanan Moganna  
Scarpa, Mario Nicola

Schrier, Jeffrey John  
Shackleton, Michael Chater  
Shuttleworth, Rowan Robert  
Simpson, Andrew Mark  
Skinner, Anthony Dennis, B.Sc.Eng.  
Spies, Peter John Murray

Tate, Graham Thomas

Taylor, Scott Archibald  
Turnbull, Andrew Ferrie

van Deventer, Johan Etienne  
Wells, Randal Mark

Whyte, Derek Edmund

Woock, Brian John

Wright, Brian Gregory

0 Degree awarded posthumously

BACHELOR OF SCIENCE IN ENGINEERING  
(Department of Electrical Engineering)

Browne, David Alan Charles\200\231 Radford, Kevin Norman

Burchardt, Willem Abraham Swan, Michael Leonard

Cormack, Charles Anthony Noble Watkins, Cuan Hedley

de Kock, Christopher Cedric Whittington-Wriford, Michael St. John  
Gibbens, Christopher Hodgman Wienand, Roy Foster

Granado, Jose Antonio Maia

BACHELOR OF SCIENCE IN ENGINEERING  
(Department of Electronic Engineering)

Berg\, Andr\ Louis Kirk, Craig John |

Bouttell, Rowan James Lundie, Howard Alan  
Caldeira, Manuel Alberto Mackenzie, Gordon Robert  
Davies, Trevor Rowland \* Mawrey, Robert Stanley  
Devraj, Avidh McConnell, David John  
Dorland, Bart Tom Moss, Stephen Robert

Eagar, Michael Blennerhasset Naidoo, Nilanthren Vadival  
Fotheringham, Stuart Angus Norman, Douglas John

Gillett, Ross Hamilton Norman, Mark Cecil

Gittings, Kenneth Michael Pantelias, Constandino Ioannis  
Graham, Albert Edward Payne, Martin

Graham, Stephen John - Pitchers, Richard Charles  
Hewitson, Andrew Mark + Webber, Kim Gillis

Hunt, St John Christopher Aldington: Weight, Andrew John

Jansen, Allan Wilkinson, Glenn Malcolm  
Katz, Limor Yelland, Donald Malcolm Ross

\* Degree awarded in the first class  
+ Degree awarded summa cum laude

BACHELOR OF SCIENCE IN ENGINEERING  
(Department of Mechanical Engineering)

Asbury, James Hubert Jayes, Wayne Edward George  
Aubery, Desmond Jennings, Craig Buchanan, B.Sc.  
Balfour, Pumelele Pazima Juressen, Udo

Barker, Nial Ellis Knee, Christopher John  
Brunette, Leonard Ralph Mhlango, Mlungisi Cyril Horace  
Brunsdon, Alan Peter . Milner, David Vickers  
Chapman, Ian Andrew Mkhize, Sipho

Corfe, Robin Andrew Moore, Stephen Garth

Crichton, Michael Derrick + Nelson, Colin Stephen  
Culverwell, Walter Vernon Nkabinde, Themba Ofentse  
Dedekind, Jens Nyati, Mteto

Doveton, Roy Ian Parry, Michael Robert

Edwards, Donn Milton Saleri, Stefano Francesco  
Gurney, Gregory David Seaman, Craig

Hall, Quentin : Sharp, Ronald James

Helfrich, Mark William Vahekeni, Fernando Saningwa  
Hepburn, Wayne Vivian + van der Steege, Anton Willem  
Hilliar, Richard Grant Wilson, James John  
Houlder, Graham Mark Wortman, Friedhold Eckard

Jacobs, Paul Edward

\* Degree awarded in the first class

+ Degree awarded summa cum laude

SEREIEEEE A IR

BACHELOR OF SCIENCE IN LAND SURVEYING

Crawford, Edward Bruce Saich, Barry John Leonard  
Haselau, Barry Singleton, Brian David  
Madwara, Vuyisile Victor Stone, Leon

Oâ\200\231Malley, Rory Michael

BACHELOR OF SCIENCE (HONOURS)

Discipline

Anderson, Stanley Thomas George, B.Sc. ... 0 ittt Chemistry  
BecketiStcphienFAlexand e S o e oo o P R R R R R R e Computer Science  
Bingham NG rahami B iU e e B S G s e R R F R e R R Computer Science  
Blakeway e ity A @ N S G oot o R R R LR Biological Sciences  
Bolton KM B S o aia o e R Chemistry  
BoonSRi chard @ rahame@a i e B S e e R R R R R e Biological Sciences  
Bronne @ a iy AN G S e s R R R Biological Sciences  
BruceSSimenihiatiold BB Gl apeRIlo i e R R R R R R R R R AR e Geology  
Iyl Wik AVEm IBSE Â¢ ooc000000a6000000600006a56600060000300060060806060060000600 Geography  
T CRAam IS e, Gao oo h ot anoh ooban o Sl S S SR S 5 G ot o 0 b oo Geology  
Clak, Trever Clhailes, BSE ocooaooc0c000660066060606006600600600506000650006000080600000090  
Geology  
(Crarrly Juliam I BeRESich 13X 0666000660 500000088 OUB6s ORI UOGEBOE G D60 G050 0600000000  
Geology  
Carriy e, WMk IRL BSE oscoac0000000666006006000060666006009000069060000000000 Chemistry  
Eox R @histopheBES (@ ap el oW ) e e ke el R R R R R R Geology  
e anne N onatha Nl e o oy A S e R e o RS R R R Geology  
e BRI, Wainren JamiEs, BaXâ\202~ s 00000606660 000606060606006660600060060600000000  
30000 Chemistry  
Dingley D eb rafllleanne B S c e e i e e Biological Sciences  
Camitim, Stivert Jolnm GCeallt, BSE ocoooooa060000006000066666060060006030606600009 Biologi  
cal Sciences  
GoSchen W Ay nerS eV e B S â\202~ R e Physics  
Graham B S e e e s e e e e S Geology  
I ek, Nieols e, 1BS8 o 0000060000605606060666666066060006000000 b 66bo000 Applied Mathemati  
cs  
ElarpisonSlanyAlexander b addre] i BrS o s oS Chemistry  
HenningMichaeFAnthony B S cls S S o s e e et o Mathematics  
Hodges e yinil ol niBES g e T v i B g iRl o ey s st s SR Geology  
Hudson @ histine AN Ne B S S e T s S Wi a bt e o S e e Geography  
[ydonennife M anga e B S C e T R SR Physics  
McDonald i@ ayin o n B o . e i e e e Biological Sciences  
W I, Aninemsy lBy Wellie, BESE â\200\230v o6t 00 0 00008 6o n b o6 the bt oe o0 0868 806000  
6050060, Geology  
I W BIHR BS8 - o onmoaconnoonabonbanr o e Physics  
RakshongÂ¥ANDrewaRalphÂ¥BIScq p e igares Â@hi. o s e S s e b s Physics  
BatersonzJonesSEdwardiRichardSBISSHang s o . | oo T S Chemistry  
e ILois AR, B8, G otannonmontbaoan g thor o us R I e Biological Sciences  
Boultney @iyl d o aB S R e ot s ot ek ot s oses s RS Biological Sciences  
RedpathÂ¥Anna-ManicSBIS R o by 5 e L Computer Science  
S, eI e B Maaanoon boomso ol f e s Biological Sciences  
SchubertS@huistinciBieselotte BB S cEIIIEERR 8 s Biological Sciences  
Sl el AV IR S, & oo e S e e o e e Geology  
SmithFAndrewsEdwardilihainÂ\$BIS R R L o e Computer Science  
SmithÂ\$Rebinfonathan B S co e e L e Mathematics  
iimmsFATanna @hristine By co i e e e Biological Sciences  
ke R Ona B S i e e il s e o s e e Geology  
YamWy kB GerhardiEupene B c o e e e o Geology  
(Waltham Â¥ ohn AN oy RO De [ B S o e i e i Breses Physics  
W hitecross S ) A es MBS o L e bl o oot e o o e aor ke TS Geology

\* Degree awarded in the first class

## BACHELOR OF LAWS

Atkinson, Patrick George, B.Com. Motala, Ziyad, B.A.

Azzopardi, Georgory Victor Charles, B.A. Naidoo, Ramani, B.A. (Rhodes)

Biyela, Israel Bonginkosi, B.Proc.(Zululand) Narotam, Hema Keshavlal, B.A.(Hons. (U.D.W.)

Boister, Neil Brett, B.A. Ndhlovu, Alan Jabulani, B.Juris(Zululand)

Canning, Janet Susan, B.Com. Ngcobo, Barnard Mandla Cecil, B.Juris(Zululand)

Corbella, Valentino Riccardo, B.A. Ngcobo, Sirral Sandile, B.Proc.(Zululand)

Cowan, Allan Redvers Anthony, B.A. Noabeb, Hosea, B.Juris(Zululand)

Desai, Ferhana, B.A.(U.D.W.) Park, Michael Glenn, B.A.

dâ\200\231Hotman de Villiers, Moneen, B.A. Parsons, Andrew Dale, B.A.

Dâ\200\231Oliveira, Sharon Le-Anne, B.A. Patton, Grant David, B.A.

Dua, John Victor, B.A. Phillips, David, B.A.

Fisher, Ivor Underwood PechÃ©, B.A. Pillemer, Elizabeth, B.A.(Witwatersrand)

Flint, Susan Alicia, B.A. Pretorius, Michiel Christiaan, B.Juris.(Pret)

Girvin, Stephen Darryl, B.A. Reddy, Jayapragasan Govindraju, B.A.(U.D.W.)

Gray, Wayne Frank, B.A. Reynolds, Elizabeth Jane, B.A.

Halley, Michael Ian, B.A. Rodgers, Mark Anthony, B.A.

Hardie, Anthony Bruce, B.Com. Schnell, Donald Paul, B.Com.

Harris, Grant Neil, B.A. Semenya, Ishmael Anthony Mmakwena, B.Iuris

Harth, Monika, B.A. (UNIN)

Hillestad, Haydn Trygve Siwisa, Lindisa Lulu, B.A.(UFH)

Holomisa, Sango Patekile, B.A. (Transkei) + Smithers, Michael David Christopher, B.Com.

Horvath, Erika Solange, B.A. Stockley, Simon John, B.A.

Joubert, Johannes, B.A.(Stell.) Stokes, Andre, B.Com.

Kenyon-Slade, Clive Richard, B.A. Â\$ Tobias, Douglas Guedella, B.Com.(Cape Town)

Kirby, Jonathan Edward George, B.A. Dip.Juris(Witwatersrand)

Levin, Mark. B.A.(Hons.) van der Maas, Christiaan Johannes, B.A.

Luke, Simon Jude MacIver, B.Com. van Heerden, Christian William, B.A.

Madondo, Mjabuliseni Isaac, B.Juris(Zululand) van Zyl, Heine, B.Sc.

Maharaj, Sharadanand Purmanund, B.Com.(U.D.W.) Varney, Howard Grant, B.A.

McAlery, John Alexander, B.A. Venilal Tanna, Chetan Kumar, B.A.(U.D.W.)

Meischke, Ingeborg Andrea, B.A.(Stell.) Victor, Nathaniel, B.A.(Unisa)

Meyer, Pieter Andries, B.Theol.(Unisa) Wanless, Brad Christopher, B.A.

Mijoli, Stanley Themba, B.Proc.(Zululand) Wwoodhouse, Georgina Elizabeth, B.A.

Mogoeng, Mogoeng Thomas Reetsang, B.Juris(Zululand) Wright, Derek George, B.A.

Zacherl, Sabine Ruth, B.A.

Zaloumis, Paul Alistair, B.A.

+ Degree awarded summa cum laude

Â\$ Degree awarded cum laude

## MASTER OF SCIENCE IN ENGINEERING

(Department of Agricultural Engineering)

Dunsmore, Stuart James, B.Sc.Eng.

Thesis: Antecedent soil moisture in design stormflow estimation

MASTER OF SCIENCE IN ENGINEERING  
(Department of Chemical Engineering)

Bradshaw, Steven Martin, B.Sc.Eng. o

Thesis: A static equilibrium cell for high pressure and temperature vapour-liquid equilibrium measurements

du Preez, Daniel Johan, B.Sc.Eng.

Thesis: The gasification of high ash coal in a fluidised bed

Â§ Greef, Arthur Reginald, B.Sc.Eng.

Thesis: An industrial robot vision technique for orienting of mechanical parts

Lichkus, Andrew Murray, B.Sc.Eng.

Thesis: The regeneration of carbonized supported ruthenium catalyst resulting from Fischer-Tropsch synthesis favouring higher hydrocarbons

McMichael, Andrew Quentin, B.Sc.Eng.

Thesis: The study and simulation of a unit flotation cell within a closed grinding circuit

Roland, Diego German, B.Sc.Eng.(Cape Town)

Thesis: Mathematical modelling of a bagasse digester

Â§ Webley, Paul Anthony, B.Sc.Eng.

Thesis: A differential flow microcalorimeter for excess enthalpy measurements

Â§ Degree awarded with distinction

MASTER OF SCIENCE IN ENGINEERING

(Department of Electrical Engineering)

Dams, Adrian Philip, B.Sc.Eng.(Cape Town)

Thesis: Microprocessor development systems

Oâ\200\231Mahony, John Roger, B.Sc.Eng.(Natal), B.Sc.(Hons.)(Pret)

Thesis: Electrical design of the South African Tokamak \*â\200\234Tokolosheâ\204ç

MASTER OF SCIENCE IN ENGINEERING

(Department of Electronic Engineering)

Everson, Ludwig Robert Hendrik, B.Eng.(Stell.)

Thesis: A software speech recognition system using a phonetic approach

O Peddie, Duncan Stuart, B.Sc.Eng.

Thesis: A microprocessor based technique for step motor control

Peirce, John Nevil Malcolm, B.Sc.(U.O.V.S.)

Thesis: Semi-custom integrated circuits for switching power supply controllers

0 Degree awarded posthumously

MASTER OF SCIENCE IN ENGINEERING

(Department of Mechanical Engineering)

Knox-Davies, Llewellyn John, B.Sc.Eng.

Thesis: The influence of casing treatment on axial compressor flows

Leslie-Smith, Christopher James, B.Sc.Eng.

Thesis: Flywheel design for energy storage

MASTER OF SCIENCE IN LAND SURVEYING

Discipline

KanowitzSRobingFawrenceRE IS IS i S L S S Surveying and Mapping

Thesis: Towards the conceptual development of a geographic information system for the Siyaya Catchment Project

MASTER OF SCIENCE

Discipline

Ansell, Steven, M.B.A. (Hons.) (L.L.B. et al.) Chemistry

Thesis: Seed extracts of the Rutaceae and the Meliaceae

Behrens, Malcolm, B.Sc. (Hons.) Physics

Thesis: On the excitation of the electrostatic ion cyclotron waves

Cox, Jean Mary, B.Sc. (Hons.) (G.O.E.I.E. 5 D s 0 i) Biological Sciences

Thesis: A study of hystricomorph rodent behaviour, especially that of the cane rat (*Thryonomys Swinderianus* Temminck)

Earrant, Jill, M.B.A. (Hons.) (P. Biological Sciences)

Thesis: Some studies on the recalcitrant behaviour of Propagules of

*Avicennia marina* (Forssk.) Vierh.

Fleishack, Paul Christian, B.Sc. (Hons.) (Witwatersrand) .....cccovvnene.n. Biological Sciences

Thesis: Aspects of the benthic macrofaunal ecology of three subtidal beaches at Durban, South Africa.

Gundrylanci, Margaret, M.B.A. (Hons.) (T. ol SN I S e) Biological Sciences

Thesis: Salt resistance in pre- and post-abscised propagules of *Brugiera gymnorhiza* (L.) Lam.

Fionnet, R. G. Congesi, R. A. (Hons.) (Ed. U. and S. BES X0 1S ) R. S. S. A. Chemistry

Thesis: A study of the extraction of non-sucrose components of sugar cane (*Saccharum Offinarum*)

Mackie, Thomas Alexander, B.Sc. (Witwatersrand), B.Sc. (Hons.) (Natal) .....ccoetienneenn. Geology

Thesis: The metamorphic effect of Karoo dolerite intrusions on coal seams of the Witbank coalfield with special reference to their cooking properties

McEean, Michelle, B.Sc. (Hons.) (S. el on s it s e s e o e s S) Biological Sciences

Thesis: Some aspects of the inter-relationship of maize grains and an associated mycoflora

@iDonoghue, Kathleen, B.Sc. (Hons.) (Fons ) oo 08 oo i S N S Mathematics

Thesis: Total colourings and total graphs

Rust, Simon, B.Sc. (Hons.) (0 N S S R RS R) Computer Science

Thesis: Artificial intelligence techniques applied to the game of Othello

Sutcliffe, N. G. Coffrevis, H. A. (Hons.) (hanlestlose pliRBES C(E o n s R P R L L e) Computer Science

Thesis: Computerised representation and manipulation of graphs

Zank, Lorraine Anney, B.Sc. (Hons.) (S. i o e bt s Sttt e) Mathematical Statistics

Thesis: Some theoretical aspects of interval-valued probabilities.

ÂS Degree awarded with distinction

MASTER OF LAWS

Discipline

VW, W. E. Hellle, A. R. E. I. R. E. R., B. UL, 6600000000006 00000660660000000009000 EREERERER Public Law

Thesis: An examination of the progression towards no-fault Motor Vehicle

Insurance, with particular reference to the Republic of South Africa

DOCTOR OF PHILOSOPHY IN THE FACULTY OF ENGINEERING  
(Department of Chemical Engineering)

Davey, William Lewis Errol, M.Sc.Eng. ;  
Thesis: A real time fluorescent particle counter for atmospheric dispersion studies

Knibbe, Pieter Gerrit, Kand., Tr. (Technische Hoogeschool Twente, Holland)  
Thesis: Simultaneous measurement of the thermal conductivity and thermal diffusivity of liquids

Rouillard, Ernest Edouard Andr  , M.Sc.(Louisiana)  
Thesis: A study of boiling parameters under conditions of laminar non-Newtonian flow with particular reference to mass-liquid boiling

DOCTOR OF PHILOSOPHY IN THE FACULTY OF ENGINEERING  
(Department of Electrical Engineering)

Balda, Juan Carlos, B.Sc.Eng. (Universidad Nacional Del Sur., Argentina)  
Thesis: Subsynchronous Resonance of Turbogenerators with particular reference to a few selected countermeasures.

DOCTOR OF PHILOSOPHY IN THE FACULTY OF ENGINEERING  
(Department of Electronic Engineering)

Ham, Ronald Edgar, B.S.E.E.(Texas), M.S.E.E.(South Methodist Univ.)  
Thesis: Travelling-wave frequency conversion

van Zyl, Barend Gideon, B.Sc. Eng.(Hons.), M.Sc.Eng.(Pret)  
Thesis: Sound transmission analysis by sound intensimetry

DOCTOR OF PHILOSOPHY IN THE FACULTY OF SCIENCE

Discipline

Carter, Brian George SMISCI I IEGIn L o e B ey Chemistry

Thesis: Investigation of diterpene synthesis

DOCTOR OF SCIENCE IN ENGINEERING  
(Department of Civil Engineering)

James, William, B.Sc.Eng.(Natal), Ph.D.(Aberdeen)  
Published Work: Contribution to Hydraulic Engineering

CONFERMENT OF THE DEGREE OF  
DOCTOR OF LAWS  
HONORIS CAUSA, UPON:

ARTHUR CHASKALSON

Professor Arthur Chaskalson, after taking a B.Com. degree, graduated LL. B. (cum laude) at the University of the Witwatersrand in 1954.

Admitted as an advocate in 1956, he was appointed Senior Counsel in 1971. He has been a member of, inter alia, the Johannesburg Bar Council, the National Bar Examinations Board and the National Council of Lawyers for Human Rights (South Africa).

In 1978 Mr Chaskalson gave up his legal practice to become Director of the Legal Resources Centre in Johannesburg. He became an Honorary Professor of Law at his alma mater in 1982.

He has been the recipient of many honours and awards, including the Claud Harris Leon Foundation award for community service and the Wits Alumni Honours award for exceptional service to the community. As a leader in the establishment of Legal Resources Centres in South Africa, his contribution towards public interest law and human rights has gained international recognition. Since 1983, he has been Vice-Chairman of the International Legal Aid Committee of the International Bar Association and, in 1985, he was elected an honorary member of the Bar Association of New York, an honour previously awarded to only one other South African, General J C Smuts. :

The University of Natal honours Professor Chaskalson for his exceptional services to law and human rights in South Africa.

%1 fory  
bi¬\201iz'ÂŞâ\202¬ Â¥

)

gï¬\202ï¬\201ï¬\202ï¬\202Hï¬\202ï¬\201ï¬\202ï¬\202ï¬\202ï¬\202!ï¬\201!ï¬\202ï¬\202QHQ'Q!Hï¬  
\202ï¬\202ï¬\202ï¬\202â\200\230Sfï¬\202ï¬\202ï¬\202ï¬\202ï¬\202'ï¬\202!@â\200\231Qï¬  
\202ï¬\202ï¬\202H'9!ï¬\202ï¬\201ï¬\202ï¬\201â\200\230ï¬\202â\200\230ï¬\202KIR!!ï¬\202ï¬\202  
ï¬\202ï¬\202ï¬\202ï¬\202ï¬\202ï¬\202ï¬\202ï¬\202ï¬\202ï¬\202ï¬\202ï¬\201ï¬\202ï¬\202ï  
¬\201ï¬\202ï¬\202ï¬\202ï¬\202ï¬\202ï¬\202ï¬\202ï¬\202ï¬\202ï¬\202ï¬\202ï¬\202ï¬\202ï¬  
\202ï¬\202ï¬\202ï¬\202ï¬\202mâ\200\230ï¬\202ï¬\202ï¬\202'ï¬\202ï¬\202

## 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 il-  
Juminat omnem hominem in mundum  
venientem, da ut haec Universitas, veritatem et  
lucem docens, thesauros scientiae plenos imper-  
tiat, et quasi lucerna luceat in terra nostra ef-  
ficiatque populo cor sapiens, mentem sanam et  
voluntatem iustam.

Recordemur coram Deo Conditores et Benefac-  
tores nostros:

Magnus es et laudabilis valde, Domine, Om-  
nipotens 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 osores, (Rep.)  
Pereat diabolus, quivis antiburschius,  
Atque irrisores, atque irrisores.

S S 5 5 S S 0 0 0 5 85 5 s s S i S

Multicopy

[illegible]

