



UNIVERSITY OF NATAL

# GRADUATION CEREMONY

1977

THURSDAY 21st APRIL

8.00 p.m.

DURBAN



UNIVERSITY  
OF NATAL

GRADUATION  
CEREMONY

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# PROGRAMME

The Chancellor constitutes the congregation

## PRAYER

Rev. P.L. Spencer, M.A. (Cantab)

## EDGEWOOD COLLEGE CHOIR

Conductor: Errol Slatter

L.T.C.L.(London), L.R.S.M.(London),

U.T.L.M.(SA)

Gradual — Locus Iste a Deo Factus Est ..... Anton Bruckner

## WELCOME TO GUESTS

The Vice-Chancellor and Principal

## PRESENTATION OF THE GRADUANDS

by the Deans

## EDGEWOOD COLLEGE CHOIR

Exultate Deo ..... Alessandro Scarlatti

Folk Song — Siembamba ..... Arranged by Anne Wium

## ADDRESS

S.N. Tomkin

B. Arch.(Witwatersrand) A.R.I.B.A.

The Chancellor dissolves the congregation

Organist: Errol Slatter

L.T.C.L.(London), L.R.S.M.(London), U.T.L.M.(SA)

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

Refreshments will be served in the refectory at the conclusion  
of the ceremony.

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: F.E. Stock

O.B.E., M.B., B.S.(Lond.), D.T.M. & H.(Edin.),  
F.R.C.S., F.A.C.S.

Chairman of Council: L.S. Robinson

Vice-Principal: N.D. Clarence

M.Sc.(SA), M.A.(Cantab.), Ph.D.(Natal), F.Inst.P.

President of Convocation: G.R. Bond

B.Econ.(Natal), A.C.I.S.

Orator: J.V.O. Reid

M.A., B.M., B.Ch.(Oxon.), F.R.C.P.(Lond.)

Registrar: A.K.B. Skinner

## DEANS

Architecture and Allied Disciplines:

L.T. Croft

B.Arch.(Liverpool), M.I.A., A.R.I.B.A.,  
Dip. T.P.(Witwatersrand), M.S.A.I.T.P.,  
M.R.T.P.I., Chartered Architect and Town Planner

Engineering: R.A. Hellawell

Pr.Eng., B.Sc.Eng.(SA), M.Sc.Eng.(Natal), M.I.E.E.,  
F.(S.A.)I.E.E., Chartered Engineer, M.R.Soc.(S.A.)

Science: T.A. Villiers

B.Sc.(Hons.), Ph.D.(Lond.), F.L.S.

## **GRADUANDS**

### **BACHELOR OF SCIENCE**

**Allum, Frances Joycelyn**  
**Baldwin, David Robert McPherson**  
**Barnes, Deanleigh**  
**Bennett, Patrick William**  
**Bevan, Jill Patricia (Applied Chemistry)**  
(Chemistry)  
**Bickerton, Iain Bruce**  
**Biggs, Martin Timothy Sutherland**  
**Blandin de Chalain, Tristan Maurice**  
(Biological Science)  
**Bosch, Eric**  
**Botha, Paul Martin**  
**Briscoe, John Edward**  
**Bulley, Bruce Gavin**  
**Bulley, Sheila Merle**  
**Christelis, Gregory Milton**  
**Christensen, John Jeremy**  
**Clare, Garth Vaughn**  
**Coleman, Nicholas Cameron**  
**Colombo, Gianfranco**  
**Cowan, James Andrew**  
**Deetlefs, Gary Brian**  
**Dell, Russell Willoughby**  
**de Smidt, Sharon**  
**Dettman, Charles David**  
**du Toit, Pieter**  
**Emslie, Donald Rex**  
**Fell, Felicity Anne**  
**Gavine, Graham Hugh**  
**Gove, Dale Taylor**  
**Grantham, Geoffrey Hugo**  
**Gray, Mervyn Owen**  
**Greenwood, Peter Harold (Applied Mathematics)**  
(Physics)  
**Hammond, Brandon Rhodes**  
**Harvey, Jennifer Anne**  
**Heicke, Gisela Helene**  
**Hein, Linda**  
**Hemingway, Robert Brian**  
**Hoggard, Judy**

**Hoption, Trevor John**  
**Howes, Anthony James**  
**Huntley, John Bailey**  
**Jordan, Kevin Michael**  
**Joubert, Isabella**  
**Kuyper, Jonathan Louis**  
**Lapinsky, Lana**  
**Lavarack, Bryan Peter**  
**McDonald, Margaret (Mathematics)**  
(Mathematical Statistics)  
**Maritz, Paul Alistair (Computer Science)**  
(Mathematics)  
**Masters, Judith Charmaine**  
**Matchett, Jane Ann**  
**Mills, John Williams**  
**Mitchell, Lynn Margaret**  
**Mulville, Dudley Ernest Knox**  
**Peters, Veronika Martha**  
**Pilkington, Gavin Edward (Biological Science)**  
(Psychology)  
**Putman, Anthony Christopher**  
**Ralph, Gary William**  
**Renton, James Ian**  
**Roberts, Jeffrey Bryan (Chemistry)**  
**Russell, Gary Hylton**  
**Shaw, Clive Mylchreest**  
**Smith, Alan Mitchell**  
**Smith, Mary Gannon**  
**Stephenson, Roy Allan (Mathematical Statistics)**  
**Steyn, Danile**  
**Thomas, Gail Janet (Biological Science)**  
**van Berkel, Ferdinand (Geology)**  
**Watson, Helen Kerr**  
**Watts, Ann Dorothea**  
**Williams, David Frank**  
**Wilmot, Richard Maasdorp**  
**Wilson, Melanie Gaye**  
**Wright, Deidre Katherine**  
**Yeo, Jeanette Anne**

Major subjects which candidates have passed in the first class are shown after their names

### **BACHELOR OF SCIENCE IN QUANTITY SURVEYING**

**Broome, Andrew Napier**  
**Campbell, Rodney**  
\* **Cardwell, Ian**  
**Connie, William Walker**  
**Dowie, Allan**  
**Hallett, Neville Clive**

**Jandrell, Terence Edward Benjamin**  
**Louw, Ian Daniel**  
**Reed, Harold Douglas**  
**Scott, Anthony Maurice**  
**Swanepoel, Dan Peter**

\*Degree awarded with distinction

### **BACHELOR OF SCIENCE IN LAND SURVEYING**

**Barton, Vivian Andrew**  
**Boyle, Timothy Patrick**  
**Buckley, Robin John**  
**Button, David Thurston**  
**Cawdry, Harold John**  
**Fischer, Steven Dorian**  
**Goosen, John Michael**  
**Haines, John Anthony Yorke**  
**Hoffmann, Peter Heinz Rudolf**

**Killian, Ian David**  
**Krause, Christopher Clemens**  
**Lewis, David Alan**  
**McCann, Clive Raymond**  
**O'Neill, Errol Martin**  
**Ramiah, Chanderaj**  
**Reeler, John Cochrane**  
**Russell-Cargill, William Geoffrey Alexander**

# BACHELOR OF SCIENCE IN ENGINEERING

|                                    | <i>Discipline</i> |                                 | <i>Discipline</i> |
|------------------------------------|-------------------|---------------------------------|-------------------|
| Anderson, John Edmund              | Electrical        | Kempe, Ian Reinhold             | Civil             |
| Ashton, Leyds Lewis                | Civil             | Lachenicht, Melvyn Keith        | Electrical        |
| † Auld, Lynton William             | Electrical        | Laing, Barend Coenraad          | Mechanical        |
| Baines, Nigel Capel                | Civil             | Lamb, Derek James               | Electrical        |
| Balladon Buffa Buccellato, John    |                   | Le Roux, David                  | Electrical        |
| Peter                              | Mechanical        | Lindsay, Robert Bruce           | Civil             |
| † Ballard, Jonathan Robert William | Electrical        | Long, David John Easton         | Mechanical        |
| Balzer, Trevor Ian                 | Civil             | Lynch, Peter Robert             | Mechanical        |
| Beaumont, Rodrick Anton            | Civil             | McAllister, Patrick Terence     | Civil             |
| Bell, Keith Leonard                | Electrical        | † McIntosh, Allan Michael       | Chemical          |
| Bell, Robert Douglas               | Chemical          | † McKelvey, James George        | Civil             |
| Blackstock, David Gordon           | Civil             | McPherson, Ian Stuart           | Chemical          |
| Bowman, Peter Douglas              | Civil             | MacDonald, Malcolm Alastair     | Civil             |
| Brackenbury, Keith Jarvis          | Civil             | MacRae, Michael Farquhar        | Mechanical        |
| Brown, Michael                     | Electrical        | Maker, Leslie Charles           | Civil             |
| † Buchanan, Stephen William        | Civil             | Moffatt, John William           | Civil             |
| Calitz, Robert Thomas              | Electrical        | Montgomery, James Andrew        | Electrical        |
| Carlisle, John Ronald              | Civil             | † Moul, John Michael            | Mechanical        |
| Carnell, Michael John              | Civil             | Mousley, James Robert           | Mechanical        |
| Chilvers, Richard Alan Hedley      | Electrical        | Moys, Jeffrey Grahame           | Civil             |
| Chorn, Barry Philip                | Electrical        | ‡ Nelson, Nicholas Francis      | Electrical        |
| Christelis, Christie               | Electrical        | Nicholson, Brian Reginald       | Mechanical        |
| Clark, Damon Leonard Burnett       | Civil             | Norman, Peter Roland            | Chemical          |
| Clark, David Robin                 | Mechanical        | Northwood, Craig Langley        | Civil             |
| Cockett, Howard                    | Electrical        | Parry, Howard Michael Arthur    | Chemical          |
| Cocks, Athol George                | Civil             | Patel, Vinod                    | Electrical        |
| Conning, Anthony John              | Electrical        | Paverd, Graham Bernard          | Electrical        |
| Cook, Garth Hylton                 | Civil             | Payne, Graham John              | Civil             |
| Crossley, David Rowland            | Civil             | Pendock, Rhett Fitzroy          | Civil             |
| Della Martina, Lucio Giovanni      | Chemical          | Penhall, Derek John             | Civil             |
| de Vrye, Alan                      | Mechanical        | Perling, Martin Julian          | Chemical          |
| Dixon-Paver, Russell Vaughan       | Electrical        | Pickerill, John Kenneth Charles | Civil             |
| Doger de Speville, Marie Jean      |                   | Potts, David Henry John         | Civil             |
| Francois                           | Mechanical        | † Rall, Martin Giles            | Agricultural      |
| Doveton, David Edwin               | Civil             | Reid, Alan                      | Civil             |
| Duncan, Peter Norman               | Civil             | Rosenberg, William Arthur       | Civil             |
| Dunn, Adam                         | Civil             | Schlaudraff, Jens Ejler         | Mechanical        |
| Emanuel, Roderick Bernard          | Mechanical        | Schmahmann, Ian Stephen         | Electrical        |
| Erskine, David Boyd                | Civil             | Sheehan, David John             | Civil             |
| Evans, Geoffrey Philip             | Electrical        | † Shepstone, Nigel Mark         | Electrical        |
| † Fairlamb, Charles Edwin          | Mechanical        | Smart, Christopher Anthony      | Electrical        |
| Fiddes, Alexander William          | Electrical        | Smithen, Andrew Arthur          | Civil             |
| Francis, David Montague            | Civil             | Smyth, John Alfred              | Electrical        |
| † Fraser, Peter Duncan             | Mechanical        | † Smythe, Ronald David          | Electrical        |
| Frost, Richard Miles               | Civil             | Sooka, Mahendra Diar            | Electrical        |
| Gammie, Michael Allan              | Mechanical        | Speight, Harold William         | Mechanical        |
| Gooden, Brian Philip               | Electrical        | Stavropoulos, Stephen Mark      | Electrical        |
| Grim, Carl                         | Civil             | Stretch, Derek Dewey            | Civil             |
| Hamann, Walter Rudolf              | Electrical        | Thorpe, Robin Patrick           | Civil             |
| Hardy, Christopher Henri           | Civil             | van den Berg, David Michael     | Civil             |
| † Hargreaves, David                | Civil             | van der Westhuizen, Patrick     | Electrical        |
| Harris, Denziel David              | Civil             | † van Rooyen, Gary John         | Mechanical        |
| Harris, Ian Eric                   | Electrical        | Veldman, Bernard Herman Willem  | Civil             |
| Hatley, Vernon Nixon               | Civil             | Waldburger, Edouard Paul        | Mechanical        |
| Hendry, Adrian Laird               | Civil             | Walters, Ian Lindsay            | Civil             |
| Herfst, Hendrik Andre              | Mechanical        | Weigemoed, Cornelius Johannes   | Chemical          |
| Hillermann, Egon Erich             | Electrical        | Williams, David Ainsley         | Mechanical        |
| Hoyer, David Ian                   | Chemical          | Williams, Paul                  | Mechanical        |
| † Hulley, Alan Grant               | Civil             | Wilson, Harvey Connal           | Chemical          |
| Jenks, Robert Christopher          | Civil             | Yeats, Jeremy Alexander         | Civil             |
| Jollands, David Timothy            | Civil             | Yelland, Christopher Paul       | Electrical        |

† Degree awarded in the first class

‡ Degree conferred posthumously

## BACHELOR OF ARCHITECTURE

**Abdool Gafoor**, Mohideen  
**Adams**, Sally Ann  
**Barnard**, Alan Leslie  
**Bennie**, Ian Leonard  
**Butler**, Gary Peter  
**Davis**, Gavin John  
**Farinha**, Mario Manuel Alves  
**Harris**, Desmond Jeffery  
**Johnson**, Robert Charles  
**Kemp**, Paul John

**Lalloo**, Kirankumar  
**Moss**, Philip Roy  
**Pellegrini**, Franco Giovanni  
**Phillips**, Maitland Scott  
**Pullon**, Richard Auret  
**Stafford**, Bruce Michael Beresford  
**Tyser**, John Arthur James  
**Williams**, Jonathan Peter  
**Young**, David Alexander

## BACHELOR OF SCIENCE (HONOURS)

|                                                       | <i>Discipline</i>                 |
|-------------------------------------------------------|-----------------------------------|
| Barnes, Neil Robin, B.Sc. ....                        | Psychology                        |
| Brown, Dulcie Ada, B.Sc. ....                         | Biological Sciences and Chemistry |
| Chapman, Gary Stuart Gordon, B.Sc. ....               | Geology                           |
| † Chrystal, Hazel, B.Sc. ....                         | Biological Sciences               |
| Cliff, Jeremy, B.Sc. ....                             | Biological Sciences               |
| † Cramer, Errol, B.Sc. ....                           | Mathematical Statistics           |
| † Jacobs, Janet Louise, B.Sc. ....                    | Psychology                        |
| † Lambert, Gerald Thomas, B.Sc. ....                  | Physics                           |
| † Lipshitz, Howard David, B.Sc. ....                  | Biological Sciences               |
| Marchant, Richard Charles, B.Sc. ....                 | Chemistry                         |
| † Marinier, Susan Leigh, B.Sc. ....                   | Biological Sciences               |
| † O'Donoghue, Darragh Evelyn Anthony Adam, B.Sc. .... | Physics                           |
| Palmer, Anthony Riordan, B.Sc. ....                   | Biological Sciences               |
| Price, Gordon Vivian, B.Sc. ....                      | Geology                           |
| Price, Robyn Gail ....                                | Applied Mathematics               |
| Rierner, Kevin Louis, B.Sc. ....                      | Geology                           |
| Roach, Molly Ann, B.Sc. ....                          | Physics                           |
| † Rodman, Paul Jonathan, B.Sc. ....                   | Computer Science                  |
| Stallbom, Kevin Edwin, B.Sc. ....                     | Geology                           |
| Stansell, Robert Philip, B.Sc. ....                   | Geology                           |
| † Sutcliffe, Michael Oliver, B.Sc. ....               | Geography                         |
| van der Riet, Malcolm Richard, B.Sc. ....             | Biological Sciences               |
| † van Niekerk, Eldridge Grant, B.Sc. ....             | Physics                           |
| Visagie, Jan George, B.Sc. ....                       | Biological Sciences               |
| Winter, Paul August, B.Sc. ....                       | Mathematics                       |

† Degree awarded in the first class

## MASTER OF SCIENCE IN TOWN AND REGIONAL PLANNING

**Bradley**, John Edward, B.A. (Rhodes)  
**Carboni**, Glenton Crewe, B.A.  
**Harwin**, John Miles, B.Sc. Sur., Dip. T.P.  
**Howie**, Gordon Miller, B. Soc. Sc. (Southampton)  
**Labuscagne**, Jozef Cornelis, B.Sc. (U.O.V.S.)  
**Lang**, John Peter, B.A.  
**Pullan**, Geoffrey Douglas Ayrton, B.A.  
**Robbins**, John Bernard, B.Sc. Eng.  
**Sullivan**, John Christopher, B.A.  
**Zaborowski**, Roman Mscislaw, B.Sc. Eng. (Witwatersrand)

## MASTER OF SCIENCE IN ENGINEERING

|                                                                      | <i>Discipline</i> |
|----------------------------------------------------------------------|-------------------|
| <b>Botha, Colin Graham, B.Sc. Eng.</b> .....                         | Electrical        |
| <b>Giles, Harold Godfrey, B.Sc. Eng.</b> .....                       | Civil             |
| <b>Leibbrandt, Steven Richard, B.Sc. Eng.</b> .....                  | Electrical        |
| * <b>Limebeer, David John Noel, B.Sc. Eng. (Witwatersrand)</b> ..... | Electrical        |
| * <b>Lyne, Peter William Liversedge, B.Sc. Eng.</b> .....            | Agricultural      |
| <b>Reed, Ian Lawrence, B.Sc. Eng.</b> .....                          | Electrical        |
| <b>Schreiner, Hilson Deneys, B.Sc. Eng.</b> .....                    | Civil             |
| <b>van Wieringen, Michael, B.Sc. Eng.</b> .....                      | Civil             |
| <b>Wimpey, David George, B.Sc. Eng. (Witwatersrand)</b> .....        | Electrical        |

## MASTER OF SCIENCE

|                                                                     |                     |
|---------------------------------------------------------------------|---------------------|
| * <b>Behrmann, Yvonne Louise, B.Sc. (Hons.)</b> .....               | Mathematics         |
| <b>Bredell, Louetta Dalene, B.Sc. (Hons.) (Stell.)</b> .....        | Chemistry           |
| * <b>Bristow, John William, B.Sc. (Hons.)</b> .....                 | Geology             |
| <b>Caithness, Ian Peter, B.Sc. (Hons.)</b> .....                    | Physics             |
| <b>Lee, Richard David, B.Sc. (Hons.)</b> .....                      | Physics             |
| <b>Schleyer, Michael Henry, B.Sc. (Hons.) (Witwatersrand)</b> ..... | Biological Sciences |
| <b>Smale, Malcolm John, B.Sc. (Hons.)</b> .....                     | Biological Sciences |
| * <b>Tollman, Shirly Ghitta, B.Sc. (Hons.)</b> .....                | Psychology          |

\* Degree awarded with distinction

## DOCTOR OF PHILOSOPHY IN THE FACULTY OF ENGINEERING

**Barker, Ian James, M.Sc. Eng.,**  
Thesis: A Study of an on-line Recursive Filter  
applied to a Milling Circuit.

**Koudstaal, Jan, Ingenieur Diploma (Delft, Holland),**  
Thesis: A study of the control of a Rotary Vacuum  
Filter in a Gold Reduction Plant

**Smith, Robert Pitts, M.Sc. Eng.,**  
Thesis: The Prediction of Multi-Component Ion Exchange  
Equilibria with Particular Reference to the System Involved in the  
Recovery of Uranium.

## DOCTOR OF PHILOSOPHY IN THE FACULTY OF SCIENCE

**Hayzen, Anthony John, M.Sc.**  
Thesis: The cross-field ion accoustic instability in a  
beam plasma system.

## 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, doceant et discant 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 impertiat, 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 osores, (Rep.)  
Pereat diabolus, quivis antiburschius,  
Atque irrisores, atque irrisores.

