

[Pmb] GRA 1/1/20

UNIVERSITY OF NATAL



Graduation Ceremony

24th MARCH, 1956

Chancellor The Hon. DENIS G. SHEPSTONE
Vice-Chancellor and Principal . E. G. MALHERBE, M.A., Ph.D., LL.D.
Chairman of Council G. G. CAMPBELL, M.B., Ch.B., LL.D., F.R.C.S.(Edin.)
President of Convocation E. Q. KEWNEY, B.A., LL.B.(S.A.)
Orator . . . S. F. BUSH, M.Sc.(S.A.), D.Phil.(Oxon), F.R.S.S.Af.

Deans of the Faculties

LAW Prof. E. M. BURCHELL, M.A.(Cantab.), LL.B.(S.A.)
ARTS Prof. R. M. JEHU, M.Sc.(Wales), F.R.G.S., F.G.S.
SCIENCE . Prof. J. A. V. FAIRBROTHER, B.Sc.(Lond.), D.Phil.(Reading), F.Inst.P.,
M.(S.A.)I.E.E.
EDUCATION Prof. W. A. LLOYD, M.A.(Birmingham), Ph.D.(Cantab.)
AGRICULTURE Prof. P. L. KOTZE, B.Sc.Agric.(Stell.), M.Sc.Agric.(Pret.)
ENGINEERING . Prof. W. E. PHILLIPS, D.Sc.Eng.(S.A.), M.I.E.E., M.(S.A.)I.E.E.,
S.M.I.R.E., Chartered Electrical Engineer
COMMERCE AND PUBLIC ADMINISTRATION . Prof. T. H. KELLY, M.Com., Ph.D.
(Birmingham)
SOCIAL SCIENCE . Prof. LEO KUPER, B.A.(Hons.), LL.B.(Rand), M.A.(North Carolina),
Ph.D.(Birmingham)
MEDICINE Prof. I. GORDON, M.B., Ch.B.(C.T.)
Registrar P. G. LEEB-DU TOIT, B.Com.(S.A.)

ORDER OF PROCEDURE

1. The Chancellor will constitute the congregation.
2. Prayer.
3. Presentation of Graduands.
4. Presentation of Honorary Graduands.
5. Address by Professor R. A. Dart.
6. The Chancellor will dissolve the congregation.

*Those present are requested to remain standing at their seats
while the academic procession enters and leaves the Hall*

“ **Gaudeamus Igitur,**” to be sung by the students and assembly.

1

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

2

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

3

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

4.

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

5

Vivant omnes virgines, faciles, formosae,
Vivant et mulieres, Dulces et amabiles,
Bonae, laboriosae, bonae, laboriosae.

6

Vivat et respublica, et quae illam regit ;
Vivat nostra civitas, Maecenatum caritas,
Quae pos hic protegit, quae nos hic protegit.

7

Pereat tristitia, pereant osores,
Pereat diabolus, quivis antiburschius,
Atque irrisores, atque irrisores.

Anthem of the University of Natal.

1

Natale solum canimus
Qui sol adest faustissimus
Almamque matrem dicimus
Aurorae Stellam columus.

3

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

2

Men: Hic juvenes addiscimus
Ad artes corda ferimus
Women: Quae domus species sumus
Quaecumque nos dividimus.

Chorus (after each verse):

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

Graduands 1955

(To be presented by the Deans of the respective faculties.)

1. Degree of Bachelor of Arts.

(Subjects which candidates have passed with distinction are shown in parentheses after their names.)

- | | |
|---|--|
| Ainslie, William Stewart (Fine Art). | Miles-Cadman, Berenice Elizabeth (English) |
| Allison, Mildred Margaret. | Naidoo, Chengiah Rathnam. |
| Barrett, Basil Rhodes. | Naidoo, Gonam. |
| Batty, Andrée Mary Burton. | *Naidoo, Nandhagopaul. |
| Bennett, Cynthia Muriel Anne (Speech and Drama) | *Nichol, Edward Anthony. |
| *Bright, William Thomas. | *Nickel, Mary Isabella (German). |
| Bruce, Donovan Maurice. | Norton, Dorothy May. |
| Bryant, Anthony John. | *Olivier, Mavis Elaine Therese (English). |
| Bure, Nora Emilia (German). | Page, Robert. |
| Butcher, Joan Elizabeth. | Papp, Charlotte. |
| Coombe, Trevor Arnold. | Ramasar, Pramada. |
| Dent, Lorna Marian (Biblical Studies). | Robertson, Ann Heath (Afrikaans- |
| Fossey, Daniel Laurence. | Nederlands). |
| *Frank, Govindsamy Christian. | Rohwer, Johann Georg. |
| Geils, Lorna Fay Dawn. | Rowan, Thomas Stanley (Roman Law). |
| Gelling, Colin Hugh. | Salberg, Barbara Alice. |
| Gibson, John Linton. | Sanders, Leueen. |
| Goldwater, Joan Edmeston. | *Scriba, Friedrich Carl Peter. |
| Gräbe, Johannes Daniel Brink. | Seymour, Jennifer Ann. |
| Hathorn, Valentine Jennifer Diane. | Shippey, Theodore Clive. |
| Hoch, Angela Joan. | Stevenson, Rose Marie (Afrikaans- |
| Holland, Kevin Edward (Philosophy). | Nederlands). |
| Hughes, Shelagh. | Sypkens, Sylvia Judith. |
| Ingham, Jean Sybil. | Tomkyns, Shelagh. |
| *Kasipersad, Sukhraj. | Tovey, Athele Frances. |
| King, Christopher. | Turner, Raymond Charles Montague. |
| Kirwood, Robert Nicholas. | Van Diggelen, Therese. |
| *Klingenberg, Edith Grete. | Vietzen, Sylvia (Biblical Studies). |
| Laughton, Magdalen Fairbridge. | *Waghmarae, Jesmine. |
| Letty, Jolyon Drue. | Warmington, Edith Joyce. |
| Levy, Mervyn Hugh. | Webb, Sheila Patricia Elizabeth. |
| Louw, Irene. | Weeks, William Richard. |
| Macfadyen, Mary Allison. | Wilkinson, Clive Barry. |
| *Maharaj, Sathyandranath Ragunanan. | Williams, Elizabeth Ewing. |
| Mason, Joy Evelyn. | *Wilmot, Sherwood Alexander. |
| *Maxwell, Heather Rose Margaret. | *Wilson, Margaret Ann. |
| *Mehta, Manjula. | *Wittenberg, Gunther Hermann (Philosophy) |

* Denotes degree conferred *in absentia*.

2. Degree of Bachelor of Arts in Fine Arts.

(Subjects which candidates have passed with distinction are shown in parentheses after their names.)

Burt, Valerie Phyllis.
Cornelissen, Johan Hendrik.

*Denoon-Stevens, Penelope Yvonne.
Walters, Adele Lennox (History of Art).

3. Degree of Bachelor of Science.

(Subjects which candidates have passed with distinction are shown in parentheses after their names.)

Andrews, Ronald John.
Ashworth, Ronald Edward.
Auld, Hugh David.
Beatty, Lesley.
Bester, Frederick Edward.
*Bishop, John Robert (Geology).
Craig, Andrew James John Lawson.
*Cuthbert, Norman Fergus Alexander.
Francois, Jeanne Constance.
*Frankish, Maureen Sylvia (Botany).
Franklin, Esme Frances.
Garbutt, Shirley Margaret Fawcett.
Green, John Alan.
Hardie, Lawrence Alexander.
Hutchins, Richard Charles.
Jennings, Christopher Mark Hubert (Geology).
*Keppel-Compton, Lucy.
King, Joan Lindsay.
Kühn, Gideon Jacobus (Physics), (Mathematics),
(Applied Mathematics).
Kure, Arne Fredrik.
Lee, Colin Howard (Mathematics), (Physics).
Leeb-du Toit, André.

McGee, Victor Errol.
Murray, Marion Molly.
Mutch, Ronald Ereleigh.
*Odhner, Kirsten Caldwell.
Osborne, Lillias Margaret Anne.
Pinnell, Anthony Milner.
Preen, Brian Victor (Chemistry).
Rees, Llewellyn Wyndham.
Robbins, Jennifer Margaret (Applied
Mathematics), (Mathematics).
*Savory, Clifford Allan Redin.
Steyn, D'Ghlen.
Sweeney, Graham Desmond.
Tandy, Robert Escombe.
Tedder, Elizabeth Clare Vivian.
*Tod, Jeanette Valentine.
Topp, Raymond John (Chemistry).
Van der Merwe, Hedley Gordon.
Vaughan, Eric Robert.
Warwick, Richard Charles (Chemistry).
Wells, Michael John.
*Wheeler, Derek Lyn Herriot.

4. Degree of Bachelor of Science in Engineering.

	Department
*Ballard, Charles William James	Civil.
Butler, Raymond Vivian Dawtrey	Civil.
Clarke, Patrick John	Mechanical.
Exter, Julius Oliver	Civil.
*Hall, Michael Douglas	Civil.
Hardwick, Peter James	Civil.
Harrison, John	Civil.
Hodson, Meredith Charles	Electrical.
Holliday, Lawrence David	Civil.
Hutchinson, Charles William	Mechanical.
Janssens, Roderick Donald	Civil.
Jeffrey, Duncan Keith	Mechanical.

* Denotes degree conferred *in absentia*.

Degree of Bachelor of Science in Engineering—continued.

Jones, Winston Griffith	Civil.
Jordan, Dennis Roderick	Civil.
*Kleyn, Frederik Evan	Electrical.
Lello, Roy Edward	Mechanical.
Lubie, Nathan Frank	Mechanical.
*McIntosh, Magnus Donald	Electrical.
*Middleton, Rex Michael Howes	Electrical.
Millard, Brian Edward Donald	Civil.
Natrass, Henry Lee	Electrical.
*Nicoll, Arthur Edward	Electrical.
Rossouw, Ryno	Mechanical.
Salberg, David Beaumont	Civil.
Smith, Malcolm Gustave	Civil.
Venter, Johannes Willem	Civil.
Voysey, John Aliwal	Civil.

5. Degree of Bachelor of Architecture.

Belderson, John Walter.	McLaren, Brian Ross.
Diamond, Leon.	Tollman, Edwin.
Dibb, Maurice George.	Zwart, Wiebe Jilling.

6. Degree of Bachelor of Science in Land Surveying.

Barbour, David Strickland.	Methley, Barry David Forder.
Isherwood, Hindle Barry.	

7. Degree of Bachelor of Science in Quantity Surveying.

Carter, Peter Avery.	Wanless, David William.
----------------------	-------------------------

8. Degree of Bachelor of Science in Agriculture.

(Subjects which candidates have passed with distinction are shown in parentheses after their names.)

Allemann, Lister.	Geel, Stanley Ernest.
Barnsley, Warwick Jefferson.	Gevers, Helmut Otto.
Bortz, Bernard Joshua.	Hill, Jonathan Carl Rowland.
Chamberlain, James.	*Horden, Francis William Arthur.
Clatworthy, John Nicholas (<i>Cum Laude</i>), (Pasture Management and Soil Conser- vation).	Ingham, John Stuart Wrey.
*Denny, Robin Philip.	*Ireland, John Peter.
De Villiers, John Matthew (Agricultural Chemistry), (Chemistry).	Kassier, Wilhelm Eckart.
Filter, Jurgen Wilhelm.	Keeny, Nelson Ray.
Friedman, Alexander David.	*Lotter, Peter Norman
	McLeod, John.
	MaGrath, Graham Stuart.
	Marr, George Stuart.

* Denotes degree conferred in *absentia*.

Degree of Bachelor of Science in Agriculture—continued.

*Mears, Peter Trevor.	Skinner, John Dawson.
Muller, Emil-Roy (<i>Cum Laude</i>), (Mathematical Biometry), (Mathematics).	Stielau, Werner Johannes (Animal Husbandry).
Phear, Alison Mary.	Tattersfield, Joseph Rex (<i>Cum Laude</i>), (Agronomy).
*Reinders, Michael John.	Todd, Veronica Mary.
Roberts, Brian Ross.	Whitehead, David Lisle (Biochemistry).
*Robinson, Guy Gardner.	Young, Brian William.
Rock, Wynford Norman.	

9. Degree of Bachelor of Economics (in Industrial Administration).

Alexander, Vasco Pomeroy Gordon.	Savage, Richard Gordon.
Nattrass, George Arthur Neil.	*Wolpert, Clive.

10. Degree of Bachelor of Commerce.

Browne, Graham Peter.	Laing, Bruce Arnot.
Clark, Patrick Tweedie.	Maharaj, Purmanund Rajkissor.
Feuilherade, Joseph Paul.	*Martin, Colin Gerald.
Geshen, Samuel David.	Norton, Cecil Alexander.
Haywood, Diana.	Nozaic, Joseph Vivian.
Holland, Kathleen Marion.	*Ross, John Garth.
Holt, William Charles.	Tatz, Theodore Arthur.
Hooper, Clive Rodney (with distinction).	Wood, Ray Lincoln.
Johnstone, Douglas Reginald Folster.	

11. Degree of Bachelor of Social Science.

Langeni, Thomas Ngiboniwe.	Luiz, Hilda.
----------------------------	--------------

12. Degree of Bachelor of Social Science (Social Welfare).

(Subjects which the candidate has passed with distinction are shown in parentheses.)

Phillips, Margaret Jennifer (Social Work), (Sociology), (Methodology in the Social Sciences).

13. Degree of Bachelor of Laws.

Agar, Brian Shelton, B.A.(C.T.).	Pape, David Lewis, B.Sc.
Clark, Robin Royal, B.A. (with distinction).	(with distinction).
Daly, Marilyn Elizabeth Laura, B.A. (with distinction).	Sacks, Samuel, B.A.
Law, Brian, B.A.	

14. Degree of Bachelor of Arts (Honours).

	<i>Department</i>
*Barnett, Eric Oliver, B.A.(S.A.)	Psychology (with distinction).
*Beck, Barry John, B.A.	Psychology.
*Doyle, Gerald Anthony, B.A.	Psychology (with distinction).

* Denotes degree conferred *in absentia*.

Degree of Bachelor of Arts (Honours)—continued.

Fison, Diana Barbara Rimington, B.A.	English.
Herbert, Martin, B.A.	Psychology (with distinction).
Hirst, Diana Condie, B.A.	Psychology (with distinction).
Hogge, David Sommerville, B.A.	English.
Marsh, Derick Rupert Clement, B.A.	English (with distinction).
Nicholls, Brenda Muriel, B.A.	History (with distinction).
Spearman, Philip Maxwell, B.A.	Psychology (with distinction).
Steyn, Francina Johanna, B.A.(Potch.)	Psychology.
Stielau, Hildegard Irma, B.A.	Modern Languages (Afrikaans-Nederlands and German) (with distinction).
Tatz, Colin Martin, B.A.	Political Science (with distinction).
Vanderplank, Jennifer, B.A.	English.

15. Degree of Bachelor of Arts in Fine Arts (Honours).

Theron, Filia, B.A. (Fine Arts).	Fine Arts (with distinction).
----------------------------------	-------------------------------

16. Degree of Bachelor of Science (Honours).

	Department
Alexander, John Briar, B.Sc.	Chemistry.
Boonstra, Eelco Gerrit, B.Sc.	Applied Mathematics.
*Frankish, Dulcie Dawn, B.Sc.	Chemistry (with distinction).
Gallwey, Brigid Mary Gyneth, B.Sc.	Botany (with distinction).
Haynes, Peter Julian Widenham, B.Sc.	Chemistry.
Hill, John Hugh, B.Sc.	Geology.
Hyde, Alan Forsyth, B.Sc.	Chemistry.
Leask, Michael John McAllister, B.Sc. Chem. Tech.	Physics (with distinction).
*Raab, Roger Edouard, B.Sc.	Physics (with distinction).
Radloff, William Peter, B.Sc.	Psychology (with distinction).
Roux, Pieter Willemse, B.Sc.(Potch.)	Botany.
Tarbett, Keith Errol, B.Sc.	Physics (with distinction).
Westell, Robert George, B.Sc.(Rhodes).	Geology.

17. Degree of Bachelor of Science in Chemical Technology.

Cudmore, Noel Joseph, B.Sc.	Mansfield, Willard Ridgway, B.Sc.
-----------------------------	-----------------------------------

18. Degree of Bachelor of Education.

*Gibson, Ian Burton, B.A.	Sham, Balmukund, B.A.
Hurbuns, Madanlall, B.A.	Singh, Ramchundar Namdar, B.A.
Jumna, Rohit, B.A.(S.A.)	Viranna, Papiiah, B.A.
*McElligott, Catharina Petronella Gerharda, M.A.	*Warren, Charles Thomson, M.A.
Padayachi, Narrainsamy Poopenthren, B.A.	*Welsh, Alexander Robert Hepburn, B.A.

* Denotes degree conferred *in absentia*.

19. Degree of Master of Arts.

	Department
Cope, Anthony Trevor, B.A.(Hons.)	Bantu Studies.
*Mitchell, John Vernon, B.A.(Hons.)	English.
Mott, Joy Winifred, B.A.(Hons.)	Psychology (with distinction).
Ramphal, Chanderpaul, B.Ed., B.A.(Hons.)	Psychology.
*Reddy, Perumal Veeraragavaloo, B.A.(Hons.)	Psychology.
Saunders, Penelope Alwilda, B.A.(Hons.)	English.

20. Degree of Master of Science.

	Department
Bates, Angela Noel, B.Sc.(Hons.)	Chemistry.
Goosen, Andre, B.Sc.(Hons.)	Chemistry.
Hobbs, Ronald Neal, B.Sc.(Hons.)	Chemistry.
Meggitt, Stephen Michael Anselm, M.A.(Oxon)	Mathematics (with distinction)
*O'Connor, Brian Michael, B.Sc. (Hons.)	Physics.
*Thompson, Hugh Graham, B.Sc.(Hons.)	Geology.

21. Degree of Master of Science in Chemical Technology.

Plasket, Ronald Peter, B.Sc. Chem. Tech.
Toohey, Alexander Cairncross, B.Sc. Chem. Tech. (with distinction).

22. Degree of Master of Education.

Douglas, William Kennedy, B.Ed.	Pienaar, Abel Jacobus, B.Ed.
Getliffe, Harry, B.Ed.	Pillay, Ruthinsamy Govindsamy, B.Ed.
Noble, Arthur, B.Ed.	Rambiritch, Birbal, B.Ed.

23. Degree of Master of Science in Engineering.

	Department
*Bayer, Michael Adolf, B.Sc.Eng.	Civil.
*Haliburton, Derek John, B.Sc.Eng.	Civil.

24. Degree of Master of Science in Land Surveying.

*Barrett, Michael McNaghten, B.Sc. Sur.

25. Degree of Master of Science in Agriculture.

*Phelps, Robert John, B.Sc. Agric. (*Cum Laude*).
Wallett, Joan Berthe, B.Sc. Agric.

* Denotes degree conferred *in absentia*.

26. Degree of Doctor of Philosophy in the Faculty of Arts.

Cronje, Philippus Cornelius, M.A.(S.A.)

Thesis: The Christian Doctrine of Man in the Theology of Emil Brunner and Reinhold Niebuhr.

*Haller, Herbert Martin, U.E.D. (Leipzig).

Thesis: Christliche Einflüsse und Elemente in Gerhart Hauptmanns Werken.

Williams, Owen, M.A.(Wales)

Thesis: The distribution and character of the present-day secondary industries of Natal, outside the Durban-Pinetown industrial region.

27. Degree of Doctor of Philosophy in the Faculty of Science.

Clarence, Noel Desmond, M.Sc.(S.A.)

Thesis: The application of magnetic tape recording to the recording of electrical field changes associated with lightning discharges and an investigation into the processes involved before the first return stroke of a lightning flash to ground.

*Meidner, Hans Anton, M.Sc.

Thesis: Some field studies of leaf water relations.

Watling, Keith Hugh, M.Sc.

Thesis: The Euphorbia Resins. The Structure of Tirucallol and Euphol.

28. Degree of Doctor of Philosophy in the Faculty of Education.

Miller, William Baikie, M.Ed.(S.A.).

Thesis: The reading abilities of pupils in the primary schools of the cities of Pietermaritzburg and Durban in Natal.

29. Degree of Doctor of Philosophy in the Faculty of Engineering.

Ashwell, Peter Charles, B.Sc.Eng.

Thesis: Super-refraction in the Lower Atmosphere and the Anomalous Propagation of Microwaves.

Reim, Ernest Philip, M.Sc.Eng.

Thesis: The Mechanism of Combustion of the Banded Constituents of South African Coals and other solid fuels.

* Denotes degree conferred *in absentia*.

Honorary Degrees

(To be presented by the Orator)

Degree of Doctor of Science.

Raymond Arthur Dart, M.Sc.(Queensland), Ch.M., M.D.(Sydney) (Hons.).

Degree of Doctor of Philosophy in the Faculty of Education.

Donald Guy Sidney M'Timkulu, M.A.(S.A.), M.A.(Yale).

Tribute

The late Dr. T. B. Davie.
(Vice-Chancellor U.C.T.)

UNIVERSITEIT VAN NATAL



Promosieplegtigheid

24 MAART 1956

Kanselier Die Edelagbare DENIS G. SHEPSTONE
Onderkanselier en Prinsipaal . . E. G. MALHERBE, M.A., Ph.D., LL.D.
Voorsitter van die Raad G. G. CAMPBELL, M.B., Ch.B., LL.D., F.R.C.S.
(Edin.)
Voorsitter van die Konvokasie . . . E. Q. KEWNEY, B.A., LL.B.(S.A.)
Woordvoerder . . . S. F. BUSH, M.Sc.(S.A.), D.Phil.(Oxon), F.R.S.S.Af.

Dekane van Fakulteite

REGTE Prof. E. M. BURCHELL, M.A. (Cantab.), LL.B. (S.A.)
LETTERE Prof. R. M. JEHU, M.Sc. (Wales), F.R.G.S., F.G.S.
NATUURWETENSKAPPE . Prof. J. A. V. FAIRBROTHER, B.Sc.(Lond.), D.Phil.(Reading),
F.Inst.P., M.(S.A.)I.E.E.
OPVOEDKUNDE Prof. W. A. LLOYD, M.A.(Birmingham), Ph.D.(Cantab.)
LANDBOU Prof. P. L. KOTZE, B.Sc.Agric.(Stell.), M.Sc.Agric.(Pret.)
INGENIEURSWETENSKAPPE . . . Prof. W. E. PHILLIPS, D.Sc.Eng.(S.A.), M.I.E.E.,
M.(S.A.)I.E.E., S.M.I.R.E., Chartered Electrical Engineer
HANDEL EN PUBLIEKE ADMINISTRASIE Prof. T. H. KELLY, M.Com., Ph.D. (Birmingham)
SOSIALE WETENSKAP . Prof. LEO. KUPER, B.A.(Hons.), LL.B.(Rand), M.A.(N. Carolina),
Ph.D.(Birmingham)
GENEESKUNDE Prof. I. GORDON, M.B., Ch. B.(C.T.)

Registrateur P. G. LEEB-DU TOIT, B.Com.(S.A.)

PROGRAM

1. Die Kanselier sal die vergadering saamstel.
2. Gebed.
3. Voorstelling van Graduerendes.
4. Voorstelling van Ere Graduerendes.
5. Toespraak deur Professor R. A. Dart.
6. Die Kanselier sal die vergadering ontbind.

*Die aanwesiges word versoek om in hul plekke te bly staan
terwyl die akademiese prosessie die saal binnekom en verlaat*