THE UNIVERSITY OF NEWCASTLE

New South Wales

CONFERRING OF DEGREES

FRIDAY, 20th MARCH, 1970
THE UNIVERSITY OF NEWCASTLE
New South Wales

FACULTIES
OF
ARCHITECTURE
AND
ARTS

10.30 A.M.
ORDER OF PROCEEDINGS

The Procession will proceed to the dais, the Congregation standing.

God Save the Queen.

The Chancellor.

The Dean of the Faculty, Professor F. Romberg, will present to the Chancellor candidates for admission to degrees in the Faculty of Architecture.

The Dean of the Faculty, Professor A. D. Tweedie, will present to the Chancellor candidates for admission to degrees in the Faculty of Arts.

The respective Deans will present to the Chancellor the names of candidates for admission in absentia to the degree of Bachelor.

The Dean of the Faculty, Professor A. D. Tweedie, will present to the Chancellor the names of the candidates for the award of the Diplomas in Education and Applied Psychology.


The Procession will retire, the Congregation standing.

Morning Tea will be served in the Supper Room.

Organist: Jennifer Noake, B.A.

(Organ by Courtesy of W. H. Paling & Co. Ltd.)

CONFERRING OF DEGREES

FACULTY OF ARCHITECTURE

Presented by the Dean of the Faculty of Architecture, Professor F. Romberg

Master of Architecture

Thesis: "Low-cost, Light-weight, Custom-built Housing for the Newcastle District, N.S.W."

Bachelor of Architecture

Gilbert Frank Williams (Honours Class I)
William Leslie Franks (Honours Class II)
Ian Harley Bailey
Trevor Bly
Anthony Christopher Chambers
Gordon Robert Dick
Fung Kee Yau Andrew
Donald Keith Gilson
Andrew John Jackson
John Robert Lane
Peter Douglas Spence
Toh Pung Seng Jesse
Wee Beng Teck Maurice
Ron Gabriel Weinstock
John Gerler Wyatt
Master of Arts

Department of English
Renata Ratzer, B.A.(Syd.)
Thesis: "Some Uses of Disguise in Late Sixteenth Century and Seventeenth Century Drama"

Department of French
John Archibald Wayne Caldwell, B.A., Dip.Ed.(N.S.W.)
Thesis: "Herve Bazin et Les Jeunes Gens en Colere"

Department of Geography
William James Albert Jonas, B.A., Dip.Ed.(N.S.W.)

Department of German
Gwyn Margaret Gillard, B.A.
Thesis: "Aspects of the German and English Passive Voice Systems with Implications for the Teaching of German as a Foreign Language"

Hans-Georg Melson, B.A.(AIta.)
Thesis: "Untersuchung über die Anwendbarkeit kürzlich entwickelter analytischer Methoden der beschreibenden Sprachwissenschaft unter Bezugnahme auf 'Romulus der Grosse' und 'Mutter Courage und ihre Kinder'"

Department of History
Francis Joseph Meaney, B.A.(N.E.)

Dan O'Donnell, B.A.(Q'ld.)
Thesis: "The Political and Municipal Contributions of James Hannell 1856-1876"

Department of Psychology
Albert Colin Hall, B.A.(R'dg.)
Thesis: "A Factorial Study of Some Aesthetic Judgments"

Algirdas Ivinskis, B.A.(Q'ld.)
Thesis: "A Study of Reliability, Validity and Factor Structure of Open-Field Measures"
Bachelor of Arts (Continued)

Susan Lesley Baker
Geoffrey Rockley Baxter
Patrick John Beisler
Noel John Bell
Desmond Trevor Bieler
Joan Murriel Blishen
Helen Burnett Brazel
Edward Francis Chalkley
Christopher Conrick
Annette Margaret Coulthard
Alix Robyn Couper
Robert Charles Grant Cowley
Janet Gaynor Davies
Stephen Lawrence Davies
Bronwen Janet Dickinson
Lynette Margaret Dickson
Susan Dornan
Cassandra Clare Evans
John Stuart Farquharson
Carolyn Gae Flanagan
Janette May Fraser
Garry Clive Fry
John Thaddius Gebhardt
Susan Lee Geer
Anthony Ian Georgeson
Florence Bernadette Gibbs
Brendon John Gill
John James Alexander Greig
Marie Clare Gross
Grant Norman Harrison
Helen Christine Hart
Ann Delores Holey
Irene Holokiz
David James Hooker
Keith Winston Hopkins
Patricia Margaret Houdsen
Prudence Huby
Warren Johnston
John Joseph Kearney
Jennifer Kennedy

John Allan Kerr
Kevin Alphonso Laffey
Eric Johnson Lowe
Hilary Marie Lowes
Richard James Mcaalister
Christine Joy McCormick
Gillian Mckirihan
Frances Jean McLean
Susan Lynette Mansfield
Kathryn Joy Mathieson
Phyllis Moodie
Neil Mordue
Elizabeth Ann Morris
Martha Moscovis
Marilyn Diane Moxy
Anne Adrienne Munro
Miriam Norman-Allan
John Peter Novak
Terence Jeremiah O'Brien
Denis Markham O'Donohue
Ernest David Phillis
John Maxwell Price
Catherine Anne Rae
Heinz Rahn
Denise Readford
Phillip Gordon Richards
Margaret Thea Shepherd
Johanna Catharina Libera
Skelding
Ronald William Surtees
John Ross Tassell
Judith Anne Theobald
Mary Christine Thomas
James Joseph Timbs
Patricia Anne Tindall
Glynis Ann Tyler
Valerie Anne Watters
Pamela Janet Westcott
Robin Sanderson Wheadon
Ronald Norman Wright

AWARD OF DIPLOMAS

FACULTY OF ARTS

Diploma in Applied Psychology

Stephen John Allen, B.A.
Judith Anne Blayden, B.A.(N.S.W.) Dip.Ed.(N.S.W.)
Anne Hamilton Furner, B.A.
Gregory John McIntyre, B.A. Dip.Ed.
Lileen Elva Shaw, B.A.(Syd.)

Diploma in Education

Marilyn Elizabeth Allen, B.Sc.
Jennifer Allomes, B.A.
Cheryl Margaret Anderson, B.A.
Dorothy Constance Andrews, B.A.
Jacqueline Suzanne Andrews, B.A.
Phillip John Ashby, B.Sc.
Robert John Ayliffe, B.A.
Patricia Margaret Booth, B.A.
Helen Burnett Brazel, B.A.
Robert Edward Brenton, B.A.
Barbara Anne Browne, B.A.
Jan Yvette Burns, B.A.
Lynette Gaye Carmichael, B.A.
Kairen Maria Casey, B.A.
Ida Consalvo, B.A.
Christopher Francis Curran, B.Sc.
Evelyn Margaret Dan, B.A.
Robert Tony Davidson, B.A.
Roslyn Elizabeth Davis, B.A.
Lynette Margaret Dickson, B.A.
Carolyn Doreen Dixon, B.A.
Graham Stanley Drennan, B.A.
Cassandra Clare Evans, B.A.
Phillip John Ewers, B.A.
Francis Bruce Fitzpatrick, B.Sc.
Donna Suzanne Foster, B.A.
Stan Peter Francuz, B.Sc.
Ronald George Frew, B.Sc.
Harold Barry Fryer, B.A.
Rosemary Gardiner, B.A.
Michael David Gibson, B.A.
Brendon John Gill, B.A.
Peter Christopher Sebastian Goldman, B.A.
Robert Graeme Hagan, B.A.
Frances May Hallinan, B.A.
Elizabeth June Haswell, B.A.
Susanne Dorothy Hollis, B.A.
Stephen Crilly Hood, B.A.
Margaret Anne Hutt, B.A.
Geraldine Kelly, B.A.
Campbell Phillip King, B.A.
Pual Alexander King, B.A.
Susan Margaret Knott, B.A.
Diploma in Education (Continued)

Margaret Krauth, B.A.
Cecily Margaret Laing, B.A.
Felicity Jane Mary Lee, B.A.
Jennifer Mary Elizabeth Lee, B.A.
Margaret Lynette MacDonald, B.A.
Margaret Alison McLean, B.A.
Graham McLeod, B.A.
Susan Maher, B.A.
Joan Mathieson, B.A.
Kathryn Joy Mathieson, B.A.
Paul Morton, B.A.
Marilyn Diane Moxey, B.A.
Pamela Murdoch, B.A.
Andra Renate Neilands, B.A.
Ruth Elizabeth Neild, B.A.
Kelvin William Nesbitt, B.Sc.
Gary Kent Newman, B.A.
Pamela Anne Passlow, B.A.

Jane Maree Peake, B.A.
Pauline Ingrid Lorna Peifer, B.A.
John Edward Pegg, B.Sc.
Jennifer Joan Puckeridge, B.A.
Rosemary Anne Rogers, B.A.
Ursula Ross, B.A.
Kathleen Mary Shannon, B.A.
Barbara Joy Sidney, B.A.
Paul Leslie Smith, B.Sc.
David Paul Stace, B.Sc.
Ronald William Surtees, B.A.
Nadine Virginia Tiernan, B.A.
Susan Margaret Tutt, B.A.
Valerie Anne Watters, B.A.
Janis Eileen Webber, B.A.
Sherrill Anne Whittington, B.A.
Gillian Jennett Woodward, B.A.
ORDER OF PROCEEDINGS

The Procession will proceed to the dais, the Congregation standing.

_God Save the Queen._

The Chancellor.

The Dean of the Faculty, Professor E. O. Hall, will present to the Chancellor candidates for admission to degrees in the Faculty of Applied Science.

The Dean of the Faculty, Professor M. O. Jager, will present to the Chancellor candidates for admission to degrees in the Faculty of Economics and Commerce.

The Dean of the Faculty, Professor F. M. Henderson, will present to the Chancellor candidates for admission to degrees in the Faculty of Engineering.

The Dean of the Faculty, Professor B. Nashar, will present to the Chancellor candidates for admission to degrees in the Faculty of Science.

The respective Deans will present to the Chancellor the names of candidates for admission in absentia to the degree of Bachelor.

The Dean of the Faculty, Professor F. M. Henderson, will present to the Chancellor the names of candidates for the award of the Diploma in Industrial Engineering.

Sir Hugh Ennor, C.B.E., D.Sc.(Melb.), F.A.A., Secretary of the Commonwealth Department of Education and Science will deliver the Occasional Address.

The Procession will retire, the Congregation standing.

Afternoon Tea will be served in the Supper Room.

_Organist: Jennifer Noake, B.A._

_(Organ by Courtesy of W. H. Paling & Co. Ltd.)_

CONFERRING OF DEGREES

FACULTY OF APPLIED SCIENCE

_Presented by the Dean of the Faculty of Applied Science, Professor E. O. Hall_

_Doctor of Philosophy_

_Department of Metallurgy_

John Graham Shaw, B.Sc.

_Thesis: “Thermomigration in Metal-Interstitial Solid Solutions”_

_Bachelor of Science_

_Department of Metallurgy_

John Henry Bourke (Honours Class II, Division I)
David Arthur Winborne (Honours Class II, Division I)
Michael Vining Hobbs (Honours Class II, Division II)

_Bachelor of Science (Technology)_

_Department of Industrial Chemistry_

Leigh William Neilson

_Department of Metallurgy_

Leonard Anthony Dean
Thomas Allen Hammond
Kevin Reginald Pearce
Ron Robinson
FACULTY OF ECONOMICS AND COMMERCE

Presented by the Dean of the Faculty of Economics and Commerce, Professor M. O. Jager

Bachelor of Commerce

Colin John Bowers (Economics — Honours Class I)
Harold Edward Gordon (Accounting — Honours Class II, Division I)
Peter John Housden (Accounting — Honours Class II, Division I)
Gerald Frank Rooney (Accounting — Honours Class II, Division I)
Gregory Terence McCosker (Accounting — Honours Class III)
Craig Andrew
Gregory Stephen Bell
Leila Binol
John Kenneth Booth
Ross Albert Buckton
Robert Glover Campbell
Peter Maxwell Chard
Raymond John Colgate
Michael John Duckworth
Michael James Embleton
Kevin Leonard Grice
John Edmund Kentish
Ee Ping Lau
Raymond Mathieson
Philip John Miller
Harry Raymond Pugsley
Vonny Norma Paula Runtu
Ross Page Springer
Thomas Gordon Taylor
Ronald Mitchell Thomas
Grahame Robert Tickle
John Gerard Van Santen
Howard Richard Williams
Colin William Wirth

FACULTY OF ENGINEERING

Presented by the Dean of the Faculty of Engineering, Professor F. M. Henderson

Doctor of Philosophy

Department of Civil Engineering
Graeme Blatchford Frecker, B.E.(Melb.)

Master of Engineering

Department of Chemical Engineering
John Archibald Church, B.Com.(N.S.W.), A.S.T.C.
Thesis: "Minimum Air Velocities and Maximum Solids Concentrations for Dilute Phase Conveying in Vertical Tubes"

Department of Electrical Engineering
David John Parker, B.E.(Q'ld.)
Thesis: "Stability of Feedback Systems with Time Delay"
Murray Graeme Wood, B.Sc., B.E.(N.S.W.)
Thesis: "Detection and Estimation of Signals in Noise"

Bachelor of Engineering/Bachelor of Science

Department of Civil Engineering
Richard Hough (Civil Engineering — Honours Class I)

Department of Electrical Engineering
Darrell Williamson (Electrical Engineering — Honours Class I)

Department of Mechanical Engineering
Brent John Couper (Mechanical Engineering — Honours Class I)
Bachelor of Engineering

Department of Chemical Engineering
John Marshall Burgess (Honours Class I and University Medal)
Peter John Armour (Honours Class I)
Wolf Val Pinczewski (Honours Class I)
Wayne Frederick Roderick (Honours Class I)
Gary Victor Want (Honours Class II, Division I)
Robert Walter Patterson

Department of Civil Engineering
Christopher Colin McDonald (Honours Class I)
Philip Kendall McLeod (Honours Class II, Division I)
Peter James Cooper (Honours Class II, Division II)
Tony Keith Frost (Honours Class II, Division II)
Bruce Kenneth Chisholm
Ho Ping Kwong
Kwok Stephen Kam-Fai
Ngo Tok Pin
Paul Michael Simpson
Voo Tain-Yuk

Department of Electrical Engineering
Peter Buckland
Edward John Reynolds
Michael Roy Taylor
Theng Choo Swee
Thomas William Tyler

Department of Mechanical Engineering
Grahame Maxwell Sawyer (Honours Class I)
Gary Denis McCarthy (Honours Class II, Division I)
John Findley (Honours Class II, Division II)
Brian James Lee (Honours Class II, Division II)
Geoffrey Robert Moran (Honours Class II, Division II)
Robert John Nickels (Honours Class II, Division II)
John Neil Pitstock (Honours Class II, Division II)
Robert Anthony Smith (Honours Class II, Division II)
Cheng Tsang Ngok
John William Pullen

Bachelor of Science (Engineering)

Department of Chemical Engineering
Robert Gregory Dombkins — with Merit
Michael Norman Barry
Bruce Michael Gibbs
James Ross Iles
Barry James Robson

Department of Civil Engineering
Paul William Clarke
Robert Joseph Jarvie
Walter Alexander Mills
Peter Phillis
Helmut Schultz

Department of Electrical Engineering
Tam Kai-Shing — with Merit
Alan Murray Buchanan

Department of Mechanical Engineering
Barry John Hill — with Merit
Lee Cho Kuen Francis — with Merit
Edward Rye Baguley
John Alexander Cooper
Douglas Neil Fleck
Donald Chris Herdegen
William Edward Propert
FACULTY OF SCIENCE

Presented by the Dean of the Faculty of Science, Professor B. Nashar

Doctor of Philosophy

Department of Chemistry

Robert Driver, B.Sc.

Thesis: “Some Aspects of the Co-ordination Chemistry of Iron, Copper and Zinc”

Christopher Paul Lloyd, B.Sc.(N.S.W.)

Thesis: “Oxidations by Silver Oxides in Acid Media”

William Barton Rippon, B.Sc.(Syd.)

Thesis: “The Quantum Chemistry of Biologically Important Molecules”

Kenneth Alan Thomson, B.Sc.(Lond.), Dip.Ed.(Melb.)

Thesis: “A Quantum Mechanical Study of Molecules with $11$ — Electrons”

Master of Science

Department of Physics

Ian Campbell Graham, B.Sc.

Thesis: “The Simulation of Radar Meteor Echoes”

Barbara Ann Manchester, B.Sc.

Thesis: “A Fundamental Co-ordinate System and Its Use In The Formulation of Special Relativity”

Algis Peter Seskus, B.Sc.


Bachelor of Science

Richard Albert Heath
(Psychology — Honours Class I and University Medal)
Marelle Gay Tacon
(Mathematics — Honours Class I and University Medal)
Ronald Groenhout (Mathematics — Honours Class I)
John Frederick Ashton (Chemistry — Honours Class II, Division I)
Paul Frederick Goldsborough (Physics — Honours Class II, Division I)
Gail Patricia Hallinan (Physics — Honours Class II, Division I)
Ivan Roderick King (Mathematics — Honours Class II, Division I)
Edward James Essington Lewis
(Psychology — Honours Class II, Division I)
Gregory Frank McGrath (Chemistry — Honours Class II, Division I)
Christopher John Moore (Physics — Honours Class II, Division I)
Allyn Grahame Morris (Mathematics — Honours Class II, Division I)
Lloyd Frederick Nicholas (Chemistry — Honours Class II, Division I)
Betty Ann Parkinson (Geology — Honours Class II, Division I)
Noel Clarence White (Geology — Honours Class II, Division I)
Jeffrey George Allison (Physics — Honours Class II, Division II)
Leslie James Muldoon (Physics — Honours Class II, Division II)
Reginald Christopher Pogonoski (Physics — Honours Class II, Division II)
Wan Mohammad Raafei Bin Wan Abdul Rahman
(Psychology — Honours Class II, Division II)
Steen Elias Lauge Kristensen (Geology — Honours Class III)
James Herbert Allen
Elizabeth Iris Baines
Ralph Douglas Burkett
Christopher Francis Curran
Wendy Annette Davies
Peter John Eadington
Ross Brent Flanagan
Frederick Edward Flowers
Allan Walter John Fowler
Eric Gayne Gibbons
Bachelor of Science (Continued)

Jeffrey David Hazzard
Robert Hodges Horne
Paula Elizabeth Jarvie
Peter Satya Juwana
Peter John Kennewell
Norman Edward Knagge
Alan John McKim
Adrian John McNeill
Francis Zdzislaw Joseph Mieszala
Peter James Murtagh
John Arthur Owens
Robert John Pitts
Kathryn Micheala Pope
David Francis Porteus
Richard Henry Sanders
Victor Skladnev
Sreetharasivam
Stephen Anthony Tarbox
Robert Charles Watters

AWARD OF DIPLOMAS

FACULTY OF ENGINEERING

Diploma in Industrial Engineering

Richard John Burgess, B.E.(N.S.W.)
Philip Stanley Cooper, A.S.T.C.
Bitthal Dass Damani, M.Sc.(Ban.)
John Brian Donn, B.Sc.(Tech.)
Richard Leslie Griffin, B.E.(N.S.W.), A.S.T.C.
Alexander Cecil Heaton, B.E.(N.S.W.), A.S.T.C.
Richard Hodyl, B.Sc.(Tech.)
John Christopher Lindus, B.E.(N.S.W.)
Peter Hans Shoobridge, Dip.App.C.(H.T.C.)
Paul Lewis Stark, B.E.(N.S.W.)
Denis Paul Tobin, B.Sc.(N.S.W.)
DEGREES CONFERRED SINCE GRADUATION
CEREMONY HELD ON 21st MARCH, 1969

FACULTY OF APPLIED SCIENCE
Bachelor of Science (Technology)
Department of Metallurgy
Malcolm Douglas Bowmaker 18th July, 1969

FACULTY OF ARTS
Bachelor of Arts
Garry Peter Laycock 18th July, 1969
Arthur Boaz Roe 18th July, 1969

PRIZES
Faculty of Applied Science
The Ernest Guy Smith Memorial Medal: John H. Bourke
The Daniel Clark Award: Leonard A. Dean
The Australian Institute of Metals (Newcastle Branch) Prize:
Leonard A. Dean
The Australian Institute of Mining and Metallurgy Newcastle Women’s Auxiliary Prize:
Ron Robinson
The Broken Hill Proprietary Company Limited Prize: Paul R. Field

Faculty of Architecture
Board of Architects of New South Wales Prize: Gilbert F. Williams
James Hardie Prize in Architecture: Ron G. Weinstock
The Royal Australian Institute of Architects (Newcastle Division) Prizes:
Junior Prize:
Senior Prize:
David J. Stafford
Stephen F. McClung

Faculty of Arts
The Morison Prizes in Economics I: Ann-Marie V. Childs
(shared with Economics and Commerce student)
in Economics III:
Andre J. Kaspura
The Economic Society Prize:
Denis W. James
The “Newcastle Morning Herald” Prizes
in English I:
Gary F. Quinlan
in English II:
Peter Putnis
in English III:
Wendy A. Milton
in English IV:
Alan J. Lawson
Helmore Prize in French I:
Gai Elkington
Gertrude Helmore Memorial Prize in French II:
Sharyn E. Gandy
Ernest Helmore Memorial Prize in French III:
Lynette I. Prince
Geographical Society of N.S.W. (Newcastle Branch) Prize:
Gayle M. Drury
Faculty of Arts (Continued)

Sarah Wheeler History Prizes
- in History I: Gary F. Quinlan
- in History II: Gary M. Brown
- in History III: James C. Docherty
- The Philosophy I Staff Prize: Brian W. Reif
- The W. H. Ward Prize in Psychology: John D. O'Donoghue
- Not awarded

Faculty of Economics and Commerce

The Broken Hill Proprietary Company Limited Prizes
- in Accounting I: Mohamed Nor bin Abdul Hamid
- in Accounting II: Graham Mitchell
- in Accounting III: Mohamed Nor bin Abdul Hamid
- Finance and Guarantee Company Limited Prize in Taxation: Not awarded
- The William Forsythe Prize in Auditing:
- The Northumberland Permanent Building and Loan Company Prize in Legal Studies II: Malcolm S. Penman
- Australian Society of Accountants' Prizes in Accounting IIA: Ian G. Wallschutzky
- in Accounting Systems and Computer Applications: Howard R. Williams
- The Commonwealth Banks' Prize in Accounting IIIB: Peter J. Housden
- The Stewarts and Lloyds Prize in Accounting:
- The Morison Prizes in Economics I:
- in Economics II: Gerald F. Rooney
- in Economics IV: Laura J. Cross (shared with Arts student)
- A. J. Day Memorial Prize (Economics):
- The Australian Finance Conference Prize in Monetary Economics: Michael D. Slater

Faculty of Engineering

James Hardie Water Resources Engineering Award: Christopher C. McDonald

The B.B.R. Australia Pty. Ltd. Prize: Richard Hough

The Australian Institute of Steel Construction Prizes
- Proficiency in Third Year: Ashley H. Pepper
- Proficiency in Fourth Year: Richard Hough

Institution of Engineers, Australia (Newcastle Division) Prize for the highest pass with First Class Honours: Richard Hough

The Broken Hill Proprietary Company Limited Prizes
- in Chemical Engineering: Kenneth E. Barnett
- in Civil Engineering: Gary W. Nichols
- in Electrical Engineering: Say Wei Foo
- in Mechanical Engineering: Gien Tou Ho

The Morison Prizes in Mechanical Engineering Design
- Junior Prize: Russell J. Coleman
- Senior Prize: Brent J. Couper
- W. E. Clegg Memorial Prize in Mechanical Engineering: Brent J. Couper
- The Mortimer Temple Prize in Mathematics I: Khee Huat Tan
Faculty of Science

The Broken Hill Proprietary Company Limited Prize in First Year Science: Peter R. Nickolas

Courtaulds (Australia) Limited Prize in Chemistry II: Bronwyn S. Thomas

Royal Australian Chemical Institute Prize in Chemistry III: Ian D. Henderson

The C.S.R. Chemicals Prize in Chemistry IV: John F. Ashton

Edward John Phillips Memorial Prize in Geology I: Clare Caesar

The John Fallins Prize in Geology II: David W. Bewley, Dudley D. Waters

William Vitnell Memorial Prize for Geology III: Not awarded

Irene Vitnell Memorial Prize for Geology IIIN: Ralph D. Burkett

The Mathematics Prizes in Second Year Mathematics subjects: Elizabeth A. Cousins

in Third Year Mathematics subjects: Not awarded

The New South Wales Association of University Women Graduates (Hunter Valley Branch) Prize in Mathematics: Patricia M. Egan

The Australian Psychological Society Prize in Psychology IV: Richard A. Heath