CONFERRING OF DEGREES

FACULTIES

of

EDUCATION

MATHEMATICS

MEDICINE

and

SCIENCE

SATURDAY, 2nd MAY, 1987

10.00 a.m.
THE ARMS OF THE UNIVERSITY OF NEWCASTLE

The Arms of the University, granted in 1965, are based upon those of the Shortland family. This is appropriate as it was Lieutenant John Shortland, R.N., who discovered the entrance to the Hunter River where Newcastle now is. On 9th September, 1797, Shortland was pursuing escaped convicts when he entered the river. At the foot of the cliffs on the island lying off the river entrance, Nobbys, his men found coal. The mineral was first shipped from "Coal Harbour" in 1799. The harbour became Port Hunter and the town was named, in 1804, after the then Secretary of State for The Colonies, Lord Newcastle. The site on which the University has been developed is in Shortland. For those interested in heraldry the inscription on the Crest of Arms is:

Azure a Sea Horse naiant in dexter chief a representation of the constellation of the Southern Cross of five Mullets all Argent.

ORDER OF PROCEEDINGS

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

The National Anthem

The Chancellor, Sir Bede Callaghan, C.B.E.

Professor R. J. MacDonald, Dean of the Faculty of Science and Professor J. B. Biggs, Dean of the Faculty of Education will present the candidates for admission to Honorary Degrees.

Professor Eric Willmot, A.M. will deliver the Occasional Address.

The Dean, Professor J. B. Biggs, will present candidates for admission to degrees in the Faculty of Education and the names of candidates for the award of Diplomas in the Faculty.

Associate Professor W. Brisley, will present candidates for admission to degrees in the Faculty of Mathematics and the names of candidates for the award of Diplomas under the Board of Studies in Medical Statistics.

The Dean, Professor J. D. Hamilton, will present candidates for admission to degrees in the Faculty of Medicine.

The Dean, Professor R. J. MacDonald, will present candidates for admission to degrees in the Faculty of Science and the names of candidates for the award of Diplomas in the Faculty.

Richard Paul Cooper, B.Math.(Hons.), will speak on behalf of the graduates.

The Vice-Chancellor, Professor K. J. Morgan.

The Procession will retire, the Congregation standing.

Organist: Michael Dudman
CONFERRING OF DEGREES

BRYAN LEWIS CAMPBELL

Presented for admission to the Honorary degree of Master of Science by the Dean of the Faculty of Science, Professor R. J. MacDonald.

Mr. Chancellor,

The Act which created this University describes the function of the University as:

1. the provision of educational facilities at university standard for persons enrolled in the university and,

2. the conferring and the awarding of degrees and diplomas.

We have gathered here today a group of students who through the provision of educational facilities at university standard, are to have conferred on them, the degrees of the Faculties of Education, Mathematics, Science and Medicine.

These two functions nominated in the Act are seen by many to be part of the one function — to be awarded a degree or diploma one must have attended an institution providing educational facilities at university standard.

Occasionally though, the University can separate the functions when it has the honour to recognise the ability in, and the contribution to, their chosen field of persons who might not have had access to educational facilities at university standard.

Mr. Chancellor, today we honour Bryan Lewis Campbell by conferring on him the degree of Master of Science.

This degree will recognise the contributions of Mr. Campbell to the study of soil movement in both natural and people-modified environments and his contribution to teaching and research in the Department of Geography at the University of Newcastle. Mr. Campbell has no formal university qualification but he has reached a level of national and international recognition for his work usually accorded to those with the highest of university degrees. Mr. Campbell obtained an Associate Diploma of the Sydney Technical College in Chemistry in 1953 and after some experience, joined the Australian Atomic Energy Commission Laboratories at Lucas Heights, as a member of the Isotope Division. He rose through the levels of Experimental Officer to be promoted to Principal Research Scientist in 1986. This in itself is a distinction as promotion to that level is usually only possible for those with high formal university qualifications.

Throughout his career Mr. Campbell has been concerned with the applications of radioactive tracer techniques to the study of soil movement. In the 1960s he helped design and conduct silt tracing experiments in Newcastle Harbour and since 1978 he has collaborated extensively in soil erosion studies conducted by the Geography Department of this University. He has also contributed to similar studies at the University of New England, where work has been done on the rate of soil loss from the Northern Tablelands of N.S.W. A number of students owe the success of their project work and theses submissions to the advice and help of Mr. Campbell.

Internationally, Mr. Campbell’s expertise is recognised by his attendance at International Conferences as an invited speaker and by his appointment on several occasions as a consultant to International Atomic Energy Projects.

Mr. Chancellor, on behalf of the Department of Geography and the Faculty of Science, I am honoured to present to you Bryan Lewis Campbell for the award of the degree of Master of Science, honoris causa.
Mr. Chancellor,

It was a Newcastle orthopaedic surgeon in the late 50s who was a necessary but not sufficient condition for the fact that today we have before us a very remarkable Australian and educator.

Eric Paul Willmot was born on Crib Island, Queensland, in 1936. He left school at an early age and might still have continued in his career as stockman and drover in West Queensland but for a rodeo accident. In that accident, his leg was badly injured and a bone disease set in. The local Queensland doctor had two options: to amputate immediately, or send the patient to the Royal Newcastle Hospital, where a friend of his, a Dr. Bond, now deceased, was resident surgeon. Eric Willmot was hospitalised for a whole year, but his leg was saved and he had in the meantime studied for and passed the Leaving Certificate. He entered the then Newcastle University College and subsequently gained his Bachelor of Science degree in Psychology and Mathematics. As well, he completed teacher training at the Newcastle Teachers' College. It was thus that the career of a professional educator of rare creativity and distinction was born.

He was Mathematics Master at various secondary schools in Australia and Papua New Guinea from 1962 for the next ten years. In 1972, he became Senior Education Officer with the Commonwealth Department of Education at Canberra, took out his Master of Education at Canberra C.A.E. in 1976, and then became a lecturer in the School of Education there. From 1979 he increasingly devoted his work to Aboriginal education. He was Director of Research in the Research School of Social Science at A.N.U., where he revived a relationship with Professor James Auchmuty: this time their relationship was not based around History lectures, or the small matter of some ingenious cartoons he had drawn of the then Professor of History, but on the Auchmuty Committee enquiring into Teacher Education. It was on the basis of Eric Willmot's research that a recommendation for providing 1,000 aboriginal teachers by 1990 was built into the Auchmuty Report: that was one of the (unfortunately few) recommendations of that Committee that has become Commonwealth policy. He next became Principal of the Australian Institute of Aboriginal Studies and then Deputy Secretary in the Department of Aboriginal Affairs. In 1985 he re-entered academic life as Professor of Education at James Cook University, thereby becoming the first Aboriginal Professor in Australia. A senior colleague comments about his contribution to the development of the School of Education that he was noted "not only for his ability for incisive and visionary thinking, but also for his great care and concern for the future of all Australian people".

After establishing a highly innovative higher degree structure at the School of Education and building the school to be one of the largest Schools of Education in an Australian University, he returns to Canberra in June to take the highly responsible position of Chairman of the A.C.T. Schools Authority.

In addition to the demands of these challenging and responsible posts, he has involved himself in numerous public positions. He is a member of the Bi-Centennial Committee, the Committee on the Australian Constitution, and a Member of the Board of Museums of Australia, as well as of several UNESCO groups. He has discharged these and other public services with great flair and distinction, as is recognized in the awards he has received. These include: the Gold Medal at the International Exposition of Inventions and New Technology in 1981 and, again in 1981, he was nominated Australian Inventor of the Year for his work on a variable ratio transmission, the Award from the Royal Australian Mint for Creative Canberran in 1982, and the Advance Australia Award in 1983. His creativity and leadership was acknowledged last year by the Australian Broadcasting Commission who invited him to be Boyer Lecturer for 1986. The Lecture series was entitled "Australia, the Last Experiment", which, as many of course will have heard, incorporated his original and paradigm-shifting theories on the development of 'new-mix' societies through the process of polygenesis. Finally, August this year will see the publication, by Weldon Press, of a major Australian novel.
I thus have the honour, Mr. Chancellor, of presenting to you a man of extra-ordinary distinction: an Aboriginal Australian who has worked for the benefit of all Australians and especially for his own people; who has shown a combination of scholarship, creativity, and administrative skill that must be unique. It would be especially pleasing if this University could claim some credit in facilitating the development of Eric Paul Willmot, but the real credit for his many and varied achievements must be given to the man himself and it is to acknowledge those achievements, Mr. Chancellor, that I present him to you for admission to the Honorary Degree of Doctor of Letters of the University.

CONFERRING OF DEGREES

FACULTY OF EDUCATION

Presented by the Dean of the Faculty of Education, Professor J. B. Biggs

Bachelor of Educational Studies

Gregory Allan Cartan
Leslie Ernest Cooper
Gregory Michael Kerr, M.A.(Chapman College California), M.Sc.(Ed.)(California)
Terry Richard Palmer, B.Ed.(Darling Downs Inst. A.E.)

Master of Educational Studies

Michael John Brown, B.A.
Pamela Anne Scott Bunn, B.A.(Macquarie)
Carmel Anne Hong, B.Com.
Jennifer Louise Hughes, B.A.
Sheikh Adan Khalif
Marilyn Jean Pedder, B.A.(Macquarie)
Margaret Joy Pickup, M.Sc.(Oregon)
Robyn Ann Schultz, B.A.
Lansang Manotar Sihombing, B.A.(Medan Indonesia)
Kim Michael Whealey, B.Ed.(Newcastle C.A.E.)
Wu Tiemin Tim
Master of Education

*Thesis:* “Secondary Education in the Hunter Valley, 1880-1930”
Lindsay Roy Killen, B.Sc.(Eng.)
*Thesis:* “Pre-instructional Strategies: An Investigation of the Effectiveness of Behavioural Objectives and Sample Test Items in TAFE Trade Lessons”

David William McGee, B.Sc.(Met.)
*Thesis:* “A Pilot Study which Assesses the Effect of Work Experience on the Performance of Students in One Subject of a TAFE Technical-Level Course”

Terry Martin Strike, B.E.(New South Wales), B.Ed.(Adelaide C.A.E.)
*Thesis:* “Public Environmental Awareness and Adult Environmental Education in the Lower Hunter Region”

Doctor of Philosophy

Department of Education
*Thesis:* “The Presbyterian Contribution to Education in New South Wales to 1866”

Ann Gazzard, B.Sc., Dip.Ed.
*Thesis:* “The Theoretical Underpinnings of Philosophy for Children”

Patricia Toohey James, B.A., M.Ed.

*Thesis:* “The Effects of Geographical Maps on Reading Comprehension”

Ruth Lynette Russell, B.A.

Audrey Hendry Wilson, B.Sc.(St. Andrews U.K.), M.Ed.(University of Papua New Guinea)
*Thesis:* “Science Foundation Students at the University of Papua New Guinea: Their Cognitive Development and Performance — A Case Study”
AWARD OF DIPLOMAS

Diploma in Education

Lily Ackerman, B.A.
Margaret Nellie Ambrose, B.A.
Gregory Mervyn Armstrong, B.A.
Susan Joy Armstrong, B.A.
Stuart James Armsworth, B.Sc.(Sydney)
Christine May Baker, B.Sc.
Margaret Dawn Bishop, B.A.
Margaret Ruth Bloch, B.A.
Kerrie Alison Boyd, B.A.
Jennifer Margaret Brook, B.A.
Judith Ann Buchholz, B.Sc.
Warwick Reginald Cadenhead, B.Ec.
Carole Louise Callinan, B.A.
Tania Cheers, B.Sc.
Craig Anthony Copeland, B.Sc.
Helen Ann Cornford, B.A.
Paul Arthur Francis Davies, B.A.
Robert John Davison
Gabriella Di Stefano, B.A.
Elena Margaret Earle, B.A.(Newcastle C.A.E.)
Robert Glenn Edmonds, B.A.
William John Cedric Eldridge, B.Sc.(Eng.)
Helen Elizabeth Farrah, B.Sc.(Queensland)
Elaine Anne Ferris, B.Sc.
Susan Alexandra Fleming, B.A.
Patricia Jean Foyle, M.A.(Sydney)
Michelle Louise France, B.A.
Garry William Franklin, B.Math.

Elizabeth Mary Galvin, B.Sc.(Sydney)
Carolyn Joy Gibson, B.A.
Cheryl Irene Graham, B.A.
Cynthia Jane Grahame, B.A.
Jennifer Caroline Jane Groves
Catherine Adele Hain, B.A.
Glen Robbie Halliday, B.A.
Patrick Gerard Hamilton, B.A.
Crista Helyard, B.A.
(New England)
Helen Naomi Hennessy Ross, B.A.
Juliet Mary Hudson, B.A.
Paul David Hughes, B.Math.
Anne-Marie Hunter, B.Sc.
Jennifer Joyce Jones, B.A.
Gaye Maree Kelsey
Anne Rochelle Kim, B.Math.
Helen Claire Kilpatrick, B.A.
Geraldine Krynda, B.A.
David Neville Lance, B.A.(Macquarie)
Mary Cecelia Leopold, B.A.
Elizabeth Love, B.Sc.(New South Wales)
Diane Patricia Lymburn, B.A.
(England)
Paul Vincent Marr, B.A.
Timothy Gordon Martin, B.A.
Lynette Anne May, B.A.
Maureen Elisabeth Mead, B.A.
George Daniel Merryman, B.A.(Ohio State)
Michelle Robyn Morgan, B.A.

Diploma in Education (Continued)

Judith Louise Page, B.A.
Bruce Andrew Paterson, B.Ec.
Julie Pavlou, B.A.
Janette Pharo, B.A.
Gregory Douglas Preston, B.A.
Marian Redmond, B.Sc.
Beverley Ann Rees, B.A.
Marianne Dorothy Russell, B.A.
Anne Louise Sharpe, B.A.
Jane Louise Smith, B.A.
Linda Carol Smith, B.A.(New South Wales)
Deborah Jean Stephan, B.A.
Ph.D(Sydney)

Terese Mary Sullivan
Michelle Annette Thomas, B.Ec.
David George Trent, B.A.
(Simon Fraser)
Bill Michael Varnavas, B.A.
Elisabeth Vittali, B.A.
Simon Gregory Walker, B.A.
Jennifer Vicki West-Sooby, B.A.
Bronwyn Louise White, B.A.(Monash)
Dominic Alexander Witcomb
CONFERRING OF DEGREES

FACULTY OF MATHEMATICS

Presented by Associate Professor W. Brisley

Bachelor of Mathematics

Warwick John Anderson
Deborah Lee Bartlett
Leo Charles Belcher
Jacinta Bird
Sharon Gaye Boswell
Amanda Joy Cady
Allison Clark
Lyndel Mary Cooper
Jon Edward Davis, B.Sc.
(Melbourne)
Gregory Charles Essex, B.E.
Anthony Field
Helen Maree Field
Suzanne Gai Figures
Karen Danielle Fraser
Michael John Freund
Susan Margaret George
Lynda Margaret Goodwin
Justin James Gordon
Warren Gregory Homer
Darrel Paul Kearns
Peter Victor Kisi
Christopher Mark Lambert

Ian Andrew Langley
Leung Wang Chak
Lie A Min
Murray Charles MacPherson
James Leo Pius Maher
Sharon Louise Mason
Deanne Michelle Mills
Ng Tang Keok
Danny Robert Wayne O’Keefe
Simon Matthews Peisker
Lieana Samin
Philip Russell Scanes
Scott David Sciffer, B.E.
Alan Dominic Smith
Toni Stewart-Johnson
Velayutham Supratheepan
Naomi Kaye Thrift
Tjie Fie Fie
Angela Rosaleen Turner
David James Webb
Woo Syrindar Oi Fong
Andrew Thomas Woods

Bachelor of Mathematics (Honours)

Bradley Robert Hunn (Mathematics — Class II, Division I)
Michael John Hitchens (Computer Science — Class I)
Shane Anthony Young (Mathematics — Class I)

Richard Paul Cooper (Mathematics — Class I and University Medal)

Doctor of Philosophy

Department of Computer Science

Thesis: “Program Behaviour and Memory Management”
AWARD OF DIPLOMAS

Diploma in Computer Science

Cheng Sun Chuan, B.E.(Monash)
Fung Chi Sang Joseph, B.Com.
John Steven Woon Hong Lau, B.Math.
Christopher Nelson Lowe, B.E.
Ali Samuel Marmulla, B.Met.
Ng Chee Kiong, B.Sc.(Malaysia)
Stewart John Paardekooper, B.E.
James Francis Silcock, B.Com.
Michel Alfred Slama
Teh Kee Chye, M.Min.Tech.(Otago N.Z.)
Peter Anthony Willems, B.E.
Carolyn Marie Guest, B.Sc.(New South Wales) — with Merit
Frans Alexander Hensken, B.Math., Dip.Ed. — with Merit
John Francis Parker, B.Sc. — with Merit
Martin Sutton, B.Sc.(New South Wales) — with Merit

Diploma in Mathematical Studies


BOARD OF STUDIES IN MEDICAL STATISTICS

Diploma in Medical Statistics

Bachelor of Medicine (Continued)

Peter Rolf Beiers, B.V.Sc.(Queensland) — with Honours
Jennifer Anne Briggs, B.A.(Macquarie) — with Honours
Marion Jane Christie,
B.Sc., Ph.D.(Australian National) — with Honours
Kym Lorraine Collins — with Honours
Isabella Nancy Hawke — with Honours
Keith John Liyanagama — with Honours
Ross Duncan MacPherson, B.Pharm., M.Sc.(Sydney) — with Honours
Robert Roy Alexander McDonald — with Honours
Catherine Mary McLelland — with Honours
Rodney John McNeil, B.A., L.L.B.(Sydney) — with Honours
John Anthony Mison — with Honours
Amanda Jane Moore — with Honours
Debbie Ronwen Mortimer, B.A.(New South Wales), Dip.Ed.(Sydney Teachers College) — with Honours
Megan Elizabeth Passey — with Honours
Frank David Simonson — with Honours
Garry Harold Buckland — with Honours and University Medal
Andrew Paul Sindone — with Honours and University Medal

Doctor of Philosophy

Robert George Adler, M.B., B.S.(Sydney)

Bhaskarjyoti Chakravarty, M.B., B.S.(Dacca Bangladesh)
Thesis: “Effects of Urinary Natriuretic Fraction on Smooth Muscle”

Jill Deidre Cockburn, B.Sc.
Thesis: “Variables Related to Antibiotic Compliance in General Practice Patients: the Application of Behavioural Science”

Neil Lewis Cowen, B.Sc.
Thesis: “Immunology of Plasmodium Falciparum Infection in Madang, Papua New Guinea”

Deborah Jane Anne Hennrikus, B.A.(Colorado College), M.A.(Kansas)

Leslie George Olson, B.Med.Sc., M.B., B.S.(Sydney)
Thesis: “The Role Of The Carotid Body In States Of Disordered Breathing”

Raffaele Scicchitano, M.B., B.S.(Adelaide)
Thesis: “Secretory Immunity in the Respiratory Tract of Sheep and Man”

Sandra Claire Thompson, B.Sc.Med., M.B., B.S.(New South Wales)
Thesis: “The Monitoring and modulation of Endocrine Organ Xenograft Rejection”

Master of Medical Science

Mary Ann Lansang
CONFERRING OF DEGREES

FACULTY OF SCIENCE

Presented by the Dean of the Faculty of Science, Professor R. J. MacDonald

Bachelor of Science

Nicolaos Andriopoulos
Donna Maree Bailey
Steven Andrew Bakker
Rowena Elizabeth Beal
Robert James Beardwood
Katrina Anne Booth, B.A.
Peter John Brown
Christina Irena Burgess
Margaret Anne Connelly
Gavin Francis Cooksley
Gregory McKenzie Corbett
Archie Darbar
Fiona Eunice Dawes
William Dowding
David John Edwards
Tracey Marie Edwards
Hayley Lyndelle Emmerton
Jeremy James Everitt
Joanne Patricia Forsyth
Jan Paul Geatches
Kevin Douglas Good
Margot Cherrie Gowans
Kathryn Elizabeth Gross
Martin Phillip Hand
Raymond Harcourt
Helen Maree Joan Harrison
Martin Noel Hicks
Anna Katarina Holmberg
Ann-Louise Holmes
Paul William Hoscher
Debbie Lyn Jackson
David Charles James
Karen Andrea Jardin
Lloyd David Jennings
Wallace Allen Johnston
Monica Evelyn Jordan
Gary John Karpa
Elizabeth Anne Keegan
Tracey Leanne Larkman
Karla Ann Lemmert
Maree Janet Lester
Lisa Eong Peng Lee Chin
Simon Bryn Lloyd
Jann Louise Marriott
Richard Alexander Marshall
Geoffrey Robert Mascord
Ian John McLean
Clifford John Meldrum
Lisa Molvig
Steven Richard Morton
Kim Elizabeth Nolan
Rhiannon Scott Noltpor
Elizabeth Clare Nyman
Richard Oak
Natalie Suzanne Parker
Jane Marie Patterson
Renato Petronio
Kathleen Jennifer Potter
Dianne Presbury
Cheryl Janet Ray

Bachelor of Science (Honours)

Trevor Ewan Johnston (Geology — Class II, Division II)
Monica Rossignoli (Chemistry — Class II, Division II)
Sarah Joy Angus (Chemistry — Class II, Division I)
David Brawdley Harrison (Geology — Class II, Division I)
Karen Elizabeth Mate (Biology — Class II, Division I)
Leslie Francis McCaffery (Chemistry — Class II, Division I)
Kevin Thomas Roberts (Geography — Class II, Division I)

Paul Vincent Bernhardt (Chemistry — Class I)
Kerrie Anne Clover (Psychology — Class I)
Catherine Diver (Chemistry — Class I)
Simon James Dunne (Chemistry — Class I)
Terence Raymond Farrell (Geology — Class I)
John Thomas Fitter (Biology — Class I)
Lynne Hancock (Psychology — Class I)
David Charles Palmer (Geology — Class I)
Kerryn Joan Pardey (Psychology — Class I)
Debra Joy Searles (Chemistry — Class I)
Brett Simm (Biology — Class I)
Tanya Velich (Psychology — Class I)
Robert Arthur Wilcox (Biology — Class I)
Master of Psychology (Clinical)

Julie Claire Hazzlewood, B.A.
*Thesis:* "Maternal Satisfaction and Mental Health Among Mothers of Young Children: An Exploratory Study"

Claudia Sannibale, B.A.
*Thesis:* "A Prospective Study of Treatment Outcome With a Group of Male Problem Drinkers"

Master of Psychology (Educational)

Nina Lisa Cornell, B.A., Dip.Ed.
*Thesis:* "The Effects of an Intervention Programme on the Learning Processes of Year Eleven Students"

Julie-Anne Edwards, B.Sc.
*Thesis:* "The Effects of a Metacognitively Oriented Study Skills Course on Students' Approaches to Learning and on Examination Performance"

Sandra Sirasch, B.Sc., Dip.Ed.
*Thesis:* "Assessment of Auditory Memory in the Preschool"

Master of Science

Department of Geology

Roslyn Elizabeth Uren, B.Sc., (Sydney)
*Thesis:* "Stratigraphy and Depositional Environments of the Wittingham Coal Measures, Kayuga Area, Hunter Valley, New South Wales"

Department of Physics

Paul Raymond Higginbottom, B.Sc.
*Thesis:* "Structure Analysis of Oxygen Adsorption on Nickel (110)"

Doctor of Philosophy

Department of Biological Sciences

Ruth Dorothy Allen, B.Sc.
*Thesis:* "The Immunosuppressive Potential of Seminal Plasma"

Alwyn Graeme Charles Lindbeck, B.Sc., (Ed.) (Avondale C.A.E.)
*Thesis:* "The Relationship of Chloroplast Membranes to the Distribution, Transcription and Replication of Chloroplast Nucleoids"

Francis Murray, B.Sc.(London)
*Thesis:* "The Effects of Air Pollutants on Plants and Ecosystems"

Department of Geology

Zia Ullah Bajwah,M.Sc.(Punjab Pakistan)
*Thesis:* "Geology, Geochemistry and Genesis of the Big Cadia Iron-Copper Deposit, N.S.W."
**AWARD OF DIPLOMAS**

**Diploma in Science**
- Gennaro Antony D'Alessandro, B.Sc.(Monash) (Biology Class II, Division I)
- Ross Barrett Jenkins, B.Sc.(James Cook) (Geology Class II, Division I)
- Russell William Cooper, B.A. (Psychology Class I)
- Colin Lindsay Waters, B.Ed.(Sc.) (Avondale C.A.E.) (Physics Class I)

**PRIZES**

**Faculty of Education**
- The Department of Education Staff Prize
- The Margaret Auchmuty Prize
- The Institute of Educational Research Prize

**Faculty of Mathematics**
- The Hulda Turner Prize for Mathematics
- The Margaret Pitcher Prizes in:
  - Mathematics I
  - Mathematics II
- The Digital Prizes in:
  - Statistics and Computing
  - Computer Science II
  - Computer Science III
- The Mathematics Prize in:
  - Second Year Mathematics
  - Third Year Mathematics
- The Mortimer Temple Prize
- The Ivan Lincoln Rose Prize in Applied Mathematics

**Faulty of Medicine**
- The Australian Medical Association Prize
- The Barry Boettcher Prize in Biology I
- The Peter Hendry Prize in Biochemistry

**Faulty of Science**
- The Broken Hill Proprietary Company Limited Prize

**Department of Biological Sciences**
- The Don Angus Memorial Prize
- The Donald Peterson Prize
- The Royal Australian Chemical Institute Prize in Chemistry IIA
- The Royal Australian Chemical Institute Prize in Chemistry III

**Department of Chemistry**
- The C.S.R. Chemical Prize
- The Royal Australian Chemical Institute Prize in Chemistry IIA

**Department of Geology**
- The Western Mining Corporation Prize
- The Edward John Phillips Memorial Prize
- The John Fallins Memorial Prize
- The Beryl Nashar Prize in Geology I
- The Beryl Nashar Prize in Geology IIIA

**Shared**
- Patricia Mary Cubis
- Carol Lee Gageler
- Sandra Heaney
- Ruth Lynette Russell
- Phillip John Moore
- Bronwyn Lee Avery
- Tracey Marie Edwards
- Colleen Joyce Mate
- Judith Ann Halliday
- June Margaret Roberts-Thompson
- Debra Joy Searles
- Darren Mark Bailey
- Susan Sulcs
- Kristen Louise Rees
- Hilary Anne Browne
- Nicolaos Andriopouos
- Andrew David Walker
- Peter John Allsop
- Terrence Raymond Farrell
- Karen Ann Brown Lee
- Stephen George Fityus
- Gavin George Dowdell
- Stephen George Fityus
THE GREAT HALL

The Great Hall was designed by Architects Ancher, Mortlock, Murray & Woolley, and was the winning entry in an Architectural competition. The Auditorium seats 1,450 people and the stage can accommodate a full Symphony Orchestra. The stepped ceiling of the Auditorium rises to over 19 metres and is lined with Brush-Box timber from the New South Wales north coast. The acoustic screen at the rear of the stage uses similar boarding.

The Great Hall was officially opened on 20th November, 1973. The project cost $1.3 million, more than half of which was donated in response to the Lord Mayor's Great Hall Appeal.

The Conn electronic pipe organ was made in the United States of America, and is the only one of its type and size outside that country. A wide range of music, from religious to avant-garde is played on the organ.

The lecterns on the stage were made by the Sydney woodcraftsman Leon Sadubin from Australian Blackwood (Acacia melanoxylon).

Some of the University's works of art are on display in the foyer and environs of the Great Hall, others are located in the Auchmuty Library and academic buildings.

On the wall to the east of the stage is a stainless steel emblem of the University's Coat of Arms which was made by the Sydney designer Michael Santry. This was originally mounted above the entrance to the McMullin Building and was relocated in 1979.

The applique banners over the entrance doors to the Auditorium are by Newcastle artist Rae Richards. The banners facing into the Auditorium represent "Arcadia" on the left and on the right "Academia". From the Foyer the banner over the right hand door is "Bright Sun" and over the left is "Tree of Life".

The stained glass panels over the Convocation Doors at the main entrance into the Foyer were created by A. C. Handel and donated by the Joint Coal Board. They depict the Faculties of the University, and the Coat of Arms of the University and the City of Newcastle.

The large woven tapestry on the Foyer wall opposite the Convocation Doors, by Mary and Larry Beeston, is called "Procession" and is appropriately based on academic gowns worn at Graduation.

The bronze sculpture on a pedestal in the garden to the left of the main entrance to the Great Hall is by Marilyn McGrath, and is an abstract interpretation of growth from a single cell. It is entitled "Nucellous".

To the right of the main entrance in the corner of the upper terrace stands a recently acquired work by the late Otto Steen. It is a large head in terra cotta and was made available to the University by the artist's widow, Mrs. Irene Steen.