

the next step

graduation *2005*

Programme



**Lincoln
University**
Te Whare Wānaka o Aoraki

the next step
graduation 2005



Lincoln University Graduation Programme

8 April 2005

Christchurch Town Hall
Christchurch, New Zealand



**Lincoln
University**
Te Whare Wānaka o Aoraki

Introduction

Graduation serves to mark the transition from student or undergraduate status to graduate or diplomate status which accords membership of the University. The ceremony emphasises this in a number of different, but related, traditional ways, reflecting both the long Western academic tradition and Māori tradition.

At the start of the ceremony, after the academic procession has entered the auditorium, there will be a powhiri, which is a formal Māori welcome. This serves to welcome the graduands and diploma or certificate recipients as fully-fledged members of the University community.

While most of those receiving awards will have entered the auditorium before the powhiri, the masters and doctoral graduands will represent all the group when they enter in the traditional Māori manner during the powhiri. They will be called into the auditorium by taua (older women) from the Kai Tahu, the takata whenua (people of the land) of Lincoln University. This call is called a karaka. The call will be answered by a taua accompanying the graduands. The masters and doctoral graduands will move slowly into the auditorium while the karaka takes place.

A kaumatua (elder) of the Kai Tahu will then give a whakatuwheratanga (speech of blessing). This will be followed by the waiata (song), E Te Iwi, the words of which are to be found on page 5 of this programme.

During the singing of the waiata, one of the graduands will present the pounamu. The pounamu symbolises the education that those receiving awards have undertaken. As rough greenstone is smoothed and polished, it gains in beauty. The pounamu used in the ceremony has one face polished, while the remainder is in its natural state. The pounamu, which will sit at the front of the stage, opposite the mace, represents the way in which the graduates or diplomates have been “polished and elevated” by their education at Lincoln, while also symbolising the potential in all of us for further learning and refinement.

During the ceremony, each recipient is called on to the stage by name. In the centre of the stage, each graduate is ‘capped’ by the Chancellor of the University to signify the conferment of a degree. Having had the degree conferred, the new graduate is then free to put on the trencher, which is the symbol of graduate status. Each graduate or diplomate receives a parchment which has been sealed with the University seal and which certifies the conferral of the degree or diploma. The graduate or diplomate then returns to his or her seat in the auditorium.

After the degrees have been conferred and the diplomas and certificates presented, the Chancellor calls all present to rise and sing one verse of the National Anthem, symbolising the part played by the University in the nation’s life. Following this, the audience is asked to sing the medieval academic anthem Gaudeamus, the words of which are to be found on page 5 of this programme.

The Esquire Bedel then takes the mace and leads the procession, the graduates and the diplomates from the auditorium.

| | |
|---|--|
| Chancellor | Thomas C. Lambie, C.N.Z.M., B.Agr.Com, F.N.Z.I.M. |
| Vice-Chancellor | Professor R.J. Field, B.Sc. (Hons), Ph.D. (<i>Hull</i>) |
| Deputy Vice-Chancellor | Dr Christopher M. Kirk, B.Sc., M.Sc., Ph.D. (<i>Cant</i>), M.B.A. (<i>Massey</i>). |
| Assistant Vice-Chancellor (Academic) | Professor Sheelagh M. Matear, B.Sc. (Hons), M.Sc., Ph.D. (<i>Plymouth</i>). |
| Assistant Vice-Chancellor (Maori) | Associate Professor H.P. Matunga, B.A. (<i>Otago</i>), B.T.P. (<i>Auck</i>) |
| Division Directors | |
| Agriculture and Life Sciences | Professor Brian R. Jordan, B.Sc., Ph.D. (<i>N'cle UK</i>) |
| Bioprotection and Ecology | Professor Alison Stewart, B.Sc. (Hons) (<i>Glas</i>), Ph.D. (<i>Stir</i>) |
| Commerce | Dr Patrick H.B. Aldwell, B.Ed., M.A. (<i>Massey</i>), M.B.A. (<i>Monash</i>), Ph.D. (<i>Washington</i>), Dip.Agr. |
| Environment, Society and Design | Dr Stefanie S. Rixecker, M.A. (<i>Loyola</i>), Ph.D. (<i>Purdue</i>) |
| Public Orator | Dr Stefanie S. Rixecker, M.A. (<i>Loyola</i>), Ph.D. (<i>Purdue</i>) |
| Esquire Bedel: | Kay Booth, B.A. (Hons)(<i>Otago</i>), M.Sc. (<i>Cant</i>) |



Order of Proceedings

The Chancellor of Lincoln University, Thomas C. Lambie, presides over the graduation.

The procession of graduands, diploma/certificate recipients, university staff and council members marches through the city to the Town Hall led by the Esquire Bedel who bears the University mace. On arrival at the Town Hall, the graduands are marshalled and then enter the auditorium.

The audience will stand during the entry of the academic procession and will sit when the mace is seated.

The powhiri will take place, led by a kaumatua of Kai Tahu. The doctoral and masters graduands will be called into the auditorium.

The waiata will be followed by the presentation of the pounamu, symbolising the knowledge graduands have gained and the polishing acquired through the process of education.

Welcome by the Chancellor.

Conferment of the degree of Doctor of Philosophy and of masters degrees and bachelors degrees with honours and presentation of postgraduate diplomas and certificates by the Chancellor.

The Vice-Chancellor of Lincoln University, Professor R.J. Field.

Conferment of degrees and presentation of graduate diplomas and certificates in the sciences and primary production by the Chancellor.

Conferment of the degree of Doctor of Natural Resources honoris causa: Frank Boffa, Dip.Hort. (Lincoln), B.L.A. (Georgia), F.N.Z.I.L.A.

Conferment of degrees and presentation of graduate diplomas and certificates in landscape architecture, parks, recreation and tourism management, recreation management, resource studies, Maori studies and social science by the Chancellor.

The President of the Lincoln University Students' Association, Andrew Gage.

Presentation of the Excellence in Teaching Awards:

Sustained Excellence: Professor Stephen D. Wratten, B.Sc. (Hons)(R'dg), M.A. (Camb), Ph.D. (Glas), D.Sc. (Southampton), F.R.S.N.Z

Excellence in Innovation: David L. Dean, B.A. (Rice), M.B.A., Ph.D (Houston).

Conferment of degrees and presentation of graduate diplomas and certificates in commerce and applied computing by the Chancellor.

Conferment of the degree of Doctor of Science honoris causa: Emeritus Professor Reinhart Langer, B.Sc.(Hons), Ph.D. (Durh), F.R.S.N.Z., F.A.N.Z.A.A.S.

Presentation of undergraduate diplomas by the Chancellor.

The Bledisloe Award for 2005: Dr Michael Dunbier, B.Agr.Sc., M.Agr.Sc. (Hons), Ph.D. (Wisc)

All present will rise and sing one verse of the National Anthem, followed by the song Gaudeamus.

The academic procession will then leave the auditorium. The graduates and diplomates will follow. The audience will remain standing until the graduates and diplomates have left the auditorium.

Tea/coffee is available in "The Limes" in the Town Hall complex after the ceremony.

E TE IWI

E te iwi
E te iwi
Tenei matou katoa
E mihi atu nei
Tena koutou
Tena koutou e.

Translation:

To you the people
To you the people
We greet you all
Greetings
Greetings everyone

E Te Iwi was composed by Kai Tahu Taua, Hariata Baker. It was often sung after speeches made by Kai Tahu Poua, Riki Ellison and Ropata Wahawaha Stirling. The late Poua Stirling was Lincoln University's kaumatua and was awarded the degree of Doctor of Natural Resources *honoris causa*, in 1996.

GOD DEFEND NEW ZEALAND

God of nations at Thy feet
In the bonds of love we meet.
Hear our voices, we entreat,
God defend our free land.
Guard Pacific's triple star
From the shafts of strife and war.
Make her praises heard afar,
God defend New Zealand.

E Ihoa Atua
O nga Iwi Matoura
Ata whaka rongona;
Me aroha noa
Kia hua ko te pai;
Kia tau to atawhai;
Manaakiitia mai
Aotearoa

GAUDEAMUS

Gaudeamus igitur, juvenes dum sumus;
Gaudeamus igitur, juvenes dum sumus.
Post jucundam juventutem, post molestam
senectutem,
Nos habebit humus, nos habebit humus.
Vivat Academia, vivant professores!
Vivat Academia, vivant professores!
Vivat membrum quodlibet, vivant membra
quaelibet,
Semper sint in flore! Semper sint in flore!

Translation:

Let us rejoice then while we are young
When sweet youth's past and crabbed age is
done
The grave will have us, everyone.
Long live the University,
long live the staff!
Long live each one,
of whatever degree!
May they ever so flourishing be!

MUSIC

New Zealand Army Band
Conductor: Sergeant Tristan Mitchell
The singing will be led by Raeleen Donaldson.



Academic Dress – The Tradition

In common with English universities, those in New Zealand have a system of academic dress which is worn by graduates to indicate their degree i.e. bachelor, master or doctor. This dress has evolved through the centuries from ordinary clothing. The gown was a medieval topcoat or cloak and the hood, a headcover.

The Lincoln University undergraduate diploma gown is black with green facings.

The bachelors gown is of Norman origin, the masters gown is of Tudor inspiration. The cap for all graduates other than the doctors is a black

trencher with a tassel. Doctoral graduates wear a velvet bonnet.

Gowns for Lincoln degrees, except for doctorates, are black. The Lincoln Ph.D. gown is black with blue facings, while for higher doctorates, the gowns are red with facings of blue (Doctor of Science), gold (Doctor of Commerce) or green (Doctor of Natural Resources).

At Lincoln University, the different hood colours denote the different degrees.

| | |
|--|--|
| B.Agr., B.Agr.Sc., B.Agr.Sc.(Hons) and M.Agr.Sc. | <i>Emerald Green</i> |
| B.Hort., B.Hort.Sc., B.Hort.Sc.(Hons) and M.Hort.Sc. | <i>Pea Green</i> |
| B.Sc., B.Sc.(Hons), M.Sc. and M.Appl.Sc. | <i>Ultramarine</i> |
| B.C.M., B.Com.(Hons) and M.C.M. | <i>Indian Yellow</i> |
| B.Com.(Ag), M.Com.(Ag), B.Com.(Hort), B.Com.(Tourism), B.Com.(V.P.M.), B.Com.(T&L), B.Com.(M.T.M.), B.Com.(H. & I.M.), B.Com.(Forestry), B.Com.(Food Ind), M.Prop.Studs. and M.Prof.Studs. | <i>Spectrum Orange</i> |
| B.P.R. & T.M., B.R.M., B.R.M.(Hons) and M.P.R.& T.M. | <i>Neyron Rose</i> |
| B.Tour.Mgt., B.Tour.Mgt.(Hons) and M.Tour.Mgt. | <i>Dusty Pink</i> |
| B.L.A., B.L.A.(Hons) and M.L.A. | <i>Chartreuse Yellow</i> |
| B.R.S., B.R.S.(Hons), B.E.M., B.E.M.(Hons), M.R.S. and M.E.P. | <i>Mauve</i> |
| M.E. | <i>Violet</i> |
| B.Appl.Comp., B.Appl.Comp.(Hons) and M.Appl.Comp. | <i>Turquoise</i> |
| B.Soc.Sc., B.Soc.Sc.(Hons) and M.Soc.Sc. | <i>Cherry Red</i> |
| B.Ma.St., B.M.P.D. and M.I.P.D. | <i>Honey Bird</i> |
| B.V.&O. | <i>Champagne</i> |
| Ph.D. | <i>Ultramarine and Indian Yellow</i> |
| Undergraduate Diploma | <i>Black gown with Emerald Green facings</i> |
| Postgraduate and Graduate Diplomas and Graduate Certificates | <i>Lincoln Grey</i> |

Degrees to be conferred and diplomas or certificates to be presented at the Ceremony

Doctors of Philosophy

Mohd Salleh **Aman**, *in Leisure Studies*
Mandy Claire **Barron**, *in Ecology*
Meegalla Ralalage **Chandraratne**, *in Computer Vision and Bio Processing*
Michael David John **Clements**, *in Marketing and Business Management*
Andrew Lester **Fletcher**, *in Crop Physiology*
Wen-Hsi **Hsu**, *in Accounting*
Xiangdong **Li**, *in Grapevine Physiology*
Mohd Salehuddin **Mohd Zahari**, *in Management*
Nicole Anne **Murray**, *in Sociology of Work*
Marion **Read**, *in Landscape Architecture*
Valerie Patricia **Saxton**, *in Viticulture and Ecology*
Wynand Schoombee **Verwoerd**, *in Systems Modelling and Simulation*
Sonia Anne **Whiteman**, *in Plant Pathology*

Master of Agricultural Science

Craig Ronald **Sixtus**, *Second Class Honours, Division II, in Biological Control*

Masters of Applied Science

Sean Lloyd **Bithell**, *First Class Honours, in Weed Biology*
Michael David **Mackay**, *First Class Honours, in Tourism Development*
Kim Maree **Sinclair**, *First Class Honours, in Exercise Science*
Cathy Fay **Begley**, *in Environmental Management*
Iris **Brookland**, *in Environmental Management*

Master of Commerce (Agricultural)

Reuben John **Edkins**, *in Farm Management and Employment Relations*

Masters of Commerce and Management

Esther Yung Yung **Chong**, *with Distinction, in Marketing*
Michelle Ching Ching **Chong**, *in Marketing*
Jie **Wei**, *in Finance*

Masters of Environmental Policy

Julian Thomas **Williams**, *First Class Honours*
Donna Cressida **Caddie**, *Second Class Honours, Division I*
David Jonathan **Coleman**, *Second Class Honours, Division I*
David Andrew **Town**, *Second Class Honours, Division I*
Jacqueline Lisa **England**, *Second Class Honours, Division II*

Masters of Landscape Architecture

Lisa Jardena **Fleming**, *First Class Honours*
Mei Ying Sammy **Tang**

Master of Professional Studies

Donald Edward **Babe**, *in Transport Management*

Master of Property Studies

Vaughan Peter **Wilson**

Master of Resource Studies

Sarah Trelle **Clinehens**, *Second Class Honours, Division I*

Masters of Science

Rhonda Megan **Pearce**, *First Class Honours, in Ecology*
Keith Stephen **Barber**, *Second Class Honours, Division I, in Ecology and Wildlife Management*
David Anthony **Wright**, *in Biological Control*

Master of Social Science

Deborah May **Taylor**, *in Social Psychology*

Bachelors of Agricultural Science with Honours

Craig Mason **Adams**, *First Class Honours*
Leon James **Bleakley**, *First Class Honours*
Emma Ruth **Crutchley**, *First Class Honours*
Hayden Roy **Peter**, *Second Class Honours, Division I*
Marilyn Ann **Rowley**, *Second Class Honours, Division I*

Bachelors of Applied Computing with Honours

Craig Andrew **Oliver**, *First Class Honours*
Wendy Jane **Spray**, *First Class Honours*
Carl Roy **Pattie**, *Second Class Honours, Division I*

Bachelors of Commerce with Honours

Janine Adele **Alfeld**, *First Class Honours*
Jonathan Anthony **Burke**, *First Class Honours*
John Stuart **Cordue**, *First Class Honours*
Anita Louise **Ferguson**, *First Class Honours*
Adam Richard **Fleming**, *First Class Honours*
Michelle Joy **Hall**, *First Class Honours*
Neil James **Harris**, *First Class Honours*
Meixia **Hu**, *First Class Honours*
Erin Pauline **Hunter**, *First Class Honours*
Melina **Rangiaho**, *First Class Honours*
Matthew Thomas **Roach**, *First Class Honours*
Jing **Sun**, *First Class Honours*
David Timothy **Wilson**, *First Class Honours*
Kemin **Chen**, *Second Class Honours, Division I*
Anthony James **Conning**, *Second Class Honours, Division I*
Diana Fui Yok **Goh**, *Second Class Honours, Division I*
Siu Ming **Lai**, *Second Class Honours, Division I*
Li **Liu**, *Second Class Honours, Division I*
Xiaoyi **Liu**, *Second Class Honours, Division I*
Ross David **McLean**, *Second Class Honours, Division I*
Mimi **Ng**, *Second Class Honours, Division I*
Natasya .a. Noura **Ramlan**, *Second Class Honours, Division I*
Yuanyuan **Xin**, *Second Class Honours, Division I*
Jimmy Chung Wei **Tu**, *Second Class Honours, Division II*

Bachelor of Horticultural Science with Honours

David Peter **Monks**, *First Class Honours*

Bachelors of Resource Studies with Honours

Melony Jane **Clark**, *First Class Honours*
David Ian **Falconer**, *Second Class Honours, Division II*

Bachelors of Science with Honours

Janet Elizabeth **Bertram**, *First Class Honours*
Duncan **McLane**, *First Class Honours*
Fiona Louise **Shanhun**, *First Class Honours*
Melanie Kate **Walker**, *First Class Honours*
David Russel **Pontin**, *Second Class Honours, Division I*

Bachelors of Tourism Management with Honours

Nicola Ann **McGovern**, *Second Class Honours, Division II*
Anna Jane **Siggs**, *Second Class Honours, Division II*

Postgraduate Diplomas in Applied Computing

Sean David **Richards**, *with Distinction*
Rania **Sahioun**

Postgraduate Diplomas in Commerce

Kun **Fu**
Xiujuan **Jia**

Postgraduate Diplomas in Resource Studies

Rebecca Jane Louise **Mehrtens**
Nicola Louise **Watson**

Postgraduate Diploma in Social Science

Sarah Jane **Williams**

Postgraduate Diplomas in Viticulture and Oenology

Jagdeep Singh **Aulakh**
Christine Susan **Carlton**
Clive Stuart **Dougall**
Samuel Fergus **Patten**
David Mark **Tyney**

Postgraduate Certificate in Resource Studies

Jens Martin **Zollhofer**

Bachelors of Agricultural Science

Peter Francis **Allan**
Rupert Morgan Lockhart **Easton**
Nicholas Mark **Hale**
Llewellyn James **McCallum**
John Andrew **McPhail**
Steven James **Sim**

Bachelors of Agriculture

Paul Lincoln **Awaikera**
Nicholas John **Harrison**
Deborah Ann **Heine**
Nicholas Andrew **Kay**
Richard James **Neill**
Darin Noel **Pendergrast**
David Thomas **Twaddle**

Bachelors of Horticultural Science

Emma Joan **Hewson**
Sophie Merrilies **Rebeck**

Bachelors of Horticulture

Lauren Jane **Duston**
Melaia Fusi Tamara **Lousi**
Craig Andrew **Robertson**
Michael David **Saunders**

Bachelors of Science

Hayley Elizabeth **Barlow**
Huiming **Chin**
Lucy Kate **Collier-Christian**
Hong **Feng**
Julian Francis **Gaffaney**
Mark **Hansen**
Gillian Denise **Hartley**
Sally **Jamieson**
Samuel Edward **Johnston**
Daniel Frank **Kimber**
Hayley Pamela **Landy**
Paul Thomas **Livingstone**
Jane Katherine **Murray**
Jillian Emma **Reesby**
Sean David **Richards**
Amy Louise **Smaill**
Maja **Szarmach**
Miriam Serene **Taylor**
Anne Jocelyn **Watts**

Bachelors of Viticulture and Oenology

Sharon Lee **Forbes**, *Senior Scholar*
Philippa Jane **Battley**
Carolyn Mary **Bleach**
Cecelia Elizabeth **Buckenham Baines**
Neil **Burgess**
Nicholas Dale **Candy**
Peter James **Connell**
Sarah Jane **Cust**
Sasha Louise **Dando**
Frances Margaret **Durcan**
Laura Elizabeth **Futter**
Emma Joy **McKenzie**
Dustin William **Osborne**
Nicholas James **Paulin**
Shane William **Speakman**
Matthew William Carl **Sutherland**
Maria Josephine **van Rooyen**
Megan Elizabeth **Watts**
Matthew John **Whitelaw**

Graduate Diplomas in Applied Science

Christopher Peter **Anstis**, *with Distinction*
Marco Aurelio **Gonzalez Amarilla**
Timothy James **Reid**

Graduate Certificates in Applied Science

Anne **de la Cour**
Melaia Fusi Tamara **Lousi**

Bachelors of Applied Computing

Mark Rayne **Anderson**
Alexander Marius Theunis **Brouwer**
Leshi **Chen**
Michelle Anne **Davidson**
Yaolin (Lucy) **Deng**
Jianzhe **Gao**
Jun **Gu**
Bei **Guo**
Young Min **Jun**
Mark Andrew **McIntosh**
Andrew Ian **McLeod**
Rania **Sahioun**
Haiyuan **Shi**
Jun **Wang**
Zhu **Zeng**
Yingyin **Zhang**

Bachelors of Environmental Management

Joanna Kate **Whitehead**, *Senior Scholar*

Daniel Michael **Curley**

Bernadette Joan Mary **Edmonds**

Charlotte Jane **Fletcher**

Kate Gillian **Jones**

Kate McVeagh **Mabin**

Kieran Douglas **Parsons**

Paresh **Parsot**

Lorena Cora **Smith**

Cheri Johanna **van Schravendijk**

David Mervyn **Wilson**

Naomi Ruth **Witham**

Bachelors of Landscape Architecture

Mark Sutherland **Teesdale**, *First Class Honours*

Kylie Louise **Anderson**, *Second Class Honours, Division I*

Daniel Wiremu **Kamo**, *Second Class Honours, Division II*

Rebecca Claire **Low**, *Second Class Honours, Division II*

Kathryn Lindsay **Oliver**, *Second Class Honours, Division II*

Jennifer Anne **Penman**, *Second Class Honours, Division II*

Michael Anthony **Pentecost**, *Second Class Honours, Division II*

Keith Michael **Riley**, *Second Class Honours, Division II*

Lance Adam **Rozenburg**, *Second Class Honours, Division II*

Alexander Hindrik **Rozema**, *Second Class Honours, Division II*

Louise Jane **Spence**, *Second Class Honours, Division II*

Serena Jane **Clarke**

Shaun **Collins**

Mariga **Gina**

Leslie Robert **Gray**

Bachelor of Maori Planning and Development

Kene Huia **Campbell**



Bachelors of Recreation Management

Community Recreation

Ana Louise **Dallas**
Sabrina **Hannen**
Sarah Jane **Inglewood**
Hazel Jane **Robertson**
Jamie George **Stowell**

Outdoor Leadership

Michelle Louise Jane **Bowden**
Bede Richard **Campbell**
Astrid Ruth **Clark**
Suzannah Rose **Joyce**
Lia Jan **Stiles**

Parks

Jane Elizabeth **Brownlie**
Simone Jan **Cleland**
Rebecca Joanne **Mitchinson**
Frederick **Reidy**

Sport

Jared Graeme **Bell**
Honor Jane **Davies**
Benjamin Paul **Draper**
Louise Alice **Eaton**
Leigh James **Fyfe**
Rachael Anne **Glassey**
Jennifer Lynne **Greathead**
Maree Jennifer **Hannay**
Lauren Kate **Hawkins**
Brent John **Hayward**
Sam Christopher **Keenan**
Rebecca Mary **Meuli**
Sharlene Patricia **Mitchell**
Timothy Sean **O’Gorman**
Michael Stephen **Rea**
Shelley Donna **Robinson**
Karla Maree **Sutton**
Anna Maree **Teen**
Sheryl Brook **Tomkies**
Toni Joy **Townsend**
Kirsty Marie **Woods**

Tourism

Angela Lee **Brown**
Emma Louise **Kiesanowski**
Joanne Maree **Smith**
Matthew James **Wilson**

Bachelors of Resource Studies

Michael Edward **Allard**
Lisa **Kissell**
Brenda **Miller**
Pedro Philippe de Figueiredo **Neves**
Carolyn Ruth **Pepper**
Kowhai **Thompson**
Michael Benjamin Carvalho **Vincent**
Esther Magdalena **Water**
Zane Alexander **Wood**

Bachelors of Social Science

Dominic Magnus **Beight**
Victoria Anne **Dowsing**
Patricia Diane **Fraser**
Beth Caroline **Isbister**
Gregory Steven **Lagan**
John Min An **Lowe**
Josephine Mary Alice **Newman**
Peter Michael **Shuker**
Abbie Jane **Stephens**
Zhu **Sun**

Bachelors of Tourism Management

Sara Jean **Bryant**
Sarah Anne **Cleland**
Anita Claire **Froude**
Lea Kate **Gibson**
Hui Ying **Han**
Ying **Huang**
Anna Pierra **Jenkins**
Bronwyn Rose **Kelly**
Nadiya Salima **Khan**
Shujuan **Li**
Zhen **Li**
Evelyn Ying Ling **Liew**
Feng Yi **Liu**
Cynthia Ann **McDermott**
Wayne Alexander **McKenzie**
Priscilla **Ngenang**
Riteshni Rangita **Prasad**
Melina **Rangiaho**
Cheng Wan **Toh**
Yu **Xiang**

Graduate Diplomas in Applied Computing

Jan Maree **Alabaster**, *with Distinction*

Shengyi **Dai**

Wendy Ruth **Lewis**

Heather Dawn **McLean**

Graduate Diplomas in Recreation Management

Yinan **Bai**

Jamie George **Stowell**

Graduate Diploma in Resource Studies

Veerasak **Agsornwong**

Graduate Diplomas in Tourism Management

Anne-Lucy **Niatu**

Hui Juan Josephine **Zhang**

Graduate Certificate in Landscape Studies

Mei Ying Sammy **Tang**

Graduate Certificate in Recreation Management

Jamie George **Stowell**

Graduate Certificate in Resource Studies

Cheri Johanna van **Schravendijk**

Bachelors of Commerce (Agricultural)

Sonya Jaye **Anderson**

George William **Baxter**

Marcus Octavius **Bousfield**

Christopher James **Briggs**

Andrew Duncan **Campbell**

Brendon Dean **Clarke**

David Rees **Clouston**

Gareth Levi **Cox**

Charles John **Douglas Clifford**

Christopher John **Eaves**

Reuben John **Edkins**

Nicholas James **Ellis**

Shaun Joseph **Fouhy**

Peter George **Grant**

Simon Stuart **Greer**

Olivia Joy **Gunn**

Edward David William **Harrison**

Mervyn John Charles **Hay**

Denis William **Heenan**
Michael Geoffrey **Henderson**
Rebecca Louise **Hyde**
Steven David **Kelly**
Christopher Bruce **Kyle**
Thomas Aaron **Lee**
Catherine Joy **Lyall**
Jacqueline Maree **Manson**
Joanna Margaret **McCaw**
Grant Ian **McNaughton**
David Stephen **Oxnam**
Stephen John **Pagan**
Anna Michelle **Paton**
Daniel Ryan **Payton**
Jared Eion **Ross**
Sara Diana **Rutherford**
Victoria May **Rutherford**
Samuel Marmaduke **Spencer-Bower**
Christopher Richard **Stacey**
Campbell John **Tait**
Scott Mark **Townshend**
Grant Hamish Scott **Tremewan**
Luke Murray **Tweed**
Richard Jeremy **Van Der Heyden**
Mathew Peter **Ward**
Mark Charles **Wells**
Harry Joseph Ivan **White**
John Copeland **White**
Adam Raymond **Wilson**
Nathan John **Wilson**
Scott John **Wishart**
Philip Samson **Woma Yendowe**
Zi De **Zhao**
Craig Jonathan **Zydenbos**

Bachelors of Commerce (Agriculture)

Timothy Alexander **Agnew**
James Lionel **McKay**

Bachelors of Commerce (Food Industry)

Fiona Jane **Copland**
Anne **de la Cour**
Shelley Joan **McMillan**
Nathan **Scott**

Bachelors of Commerce (Forestry)

Simon Charles **Bluck**
Samuel **Mortensen**
Timothy James **Williams**

Bachelors of Commerce (Horticultural)

Christopher Peter **Anstis**
Hamish O'Donnell **Gordon**
Susan Christine **McGaw**
Timothy James **Reid**
Rachel Hannah **Sproull**

Bachelors of Commerce (Hotel and Institutional Management)

Nina **Hausen**
Jie **Kong**
Blair James **Langton**
Sarah Leigh **McAllan**
Merrin Louisa **Messenger**
Weiwei **Ren**
Amanda Mary Louise **Sturge**
Yan **Wang**

Bachelors of Commerce (Tourism)

Rebecca **Onio**
Fesoloai Betty **Tomuli-Situe**

Bachelors of Commerce (Transport and Logistics)

Andrew Bailey **Bishop**
Nicola Jane **Gardner**
Holly Amber **McGowan**
Nicholas James **Smithson**
Douglas Alexander **Weir**

Bachelors of Commerce (Valuation and Property Management)

Helen Louise **Blazey**
Stephen Andrew **Collie**
Jenna Elizabeth **Harris**
Tyler Sloane **McKenzie**
David Glennon **Ross**
Tingyu **Shi**
Matthew William **Silverton**
Young Khean **Teh**
Andre Jerry **Thompson**
Nicholas David **Thompson**
Nathan Robert **Wolfe**

Bachelors of Commerce and Management

Jefferson Ray Tan **Hidayat**, *Senior Scholar*
Blake Logie **Anderson**
Fee Jing **Ang**
Qian Yong **Bian**
Jane Marie **Brice**
Daniel Glen **Cameron**
Ani Rohayu Binti **Che Ram**
Fang **Chen**
Kuo (Cristine) **Chen**
Damy **Ching**
Hugh McCombie **Copland**
Zhe **Cui**
Hadyn John **Cummings**
Sara **Daji**
Rosa Jane **Diedrichs**
Jie **Ding**
Ling Ling **Dou**
Ian Gordon **Douglas**
Xiao Fei **Du**
Siew Vui **Eng**
David Howard **Fulton**
Joanne Elizabeth Margaret **Gallagher**
Yuan **Gao**
Michael Joseph **Gawith**
Christopher William **Gibbs**
Hui **Gu**
Dong **Han**
Soojin **Han**
Matthew William **Hannah**
Alana Jayne **Harrison**
Sarah Louise **Haynes**

Yupeng **He**
Brent William **Henshaw**
King Hie **Hii**
Meixia **Hu**
Yuexin **Hu**
Yanping **Huang**
Rachelle Margaret **Hunt**
Amy Khin Yin **Huong**
Hamish Peter **Hurst**
Sophie Imogen **Jackson**
Xiaoyu **Jia**
Yiran **Jiang**
Yang Oon **Khor**
Hae Jung **Kim**
Andrew Peter **Kirton**
Jing **Lang**
Jessica Kelly **Langman**
Bing **Li**
Deqiang **Li**
Qing **Li**
Ran **Li**
Li Xuechen
Yiyan **Li**
Ching Chin **Lim**
Jun **Liu**
Ming Shen **Liu**
Rong **Liu**
Brendan **Lucas**
Michael George **Lucking**
Jin **Luo**
Lihua **Luo**
Natasha Anne **Macgregor**
Greer Marion **MacLachlan**
Wenjing **Mao**
Xin **Mao**
Jennifer Meri **Marshall**
Grant David **McCulloch**
Rachel Jane **McGregor**
Anthony Gerard **McGroggan**
Zara Ann **McWilliams**
Joanne Margaret **Meekin**
Yue **Mi**
Glen Raymond **Moroney**
Suriya Nikolaus **Mues**
Brett William **Newell**
Bridie Christine **O'Sullivan**

Vicki Lynn **Palmer** nee **Smith**
Su Wen **Pan**
Ashley Robert **Parkes**
Charlotte Lucy **Paton**
Bin **Peng**
Yan **Peng**
Lisi Lilly Mabel **Pereira** nee **Vaai**
Nigel James **Price**
Xin **Ren**
Rachel Maree **Rintoul**
Jie **Shen**
Jayson Paul **Simon**
Phillipa Margaret **Sing**
Huabing **Situ**
Woon Sin **Soh**
Scott Alan **Sparks**
Toni Maree **Street**
Lisa **Sulayni**
Mengmeng **Sun**
Wei **Tao**
Rachel Sarah **Tepper**
Maria Carmela **Walding**
Gregory David **Wall**
Li **Wang**
Xiaochuan **Wang**
Yan **Wang**
Yuanmiao **Wang**
Adam James **Williamson**
Simon Bruce **Wing**
Shaoyong **Wu**
Xiao Feng **Wu**
Xiaowen **Wu**
Shu **Xu**
Zhilu **Xu**
Yang Fang
Xiao Long **Yang**
Zheng **Yang**
Yu-Cheng **Yeh**
Ming Chuan **Yii**
Yizhang **Yin**
Jie **Zeng**
Yue **Zhang**
Dayong **Zhou**
Wei Jie **Zhou**
Zhi **Zhou**
Lei **Zhu**

Graduate Diplomas in Commerce

Charlotte Victoria Jane **Burt**, *with Distinction*
Nicholas McGregor **Barclay**
Simon David **Bishell**
Zunxiong **Cao**
Moshin Ali **Cheema**
Penelope Jayne **Grellet**
Kate Bridget **Hawken**
Natasha Anne **Macgregor**
Qingtao **Meng**
Vicki Lynn **Palmer** nee **Smith**
Xin **Sun**
Szu Lee **Ting**
Simon Bruce **Wing**
Sarah Louise Rose **Yates**

Graduate Certificates in Commerce

Maja **Szarmach**
Yu Jie **Wu**
Haiyan **Xu**

Diploma in Applied Science

Lim Eng Ugim

Diplomas in Farm Management

Pax Callum **Leetch**, *Gold Medalist*
Malcolm James **Campbell**
Jeremy James **Cunningham**
Andrew Benjamin **Dennis**
Henry George **Douglas**
Simon Leo Charles **Falloon**
Mark David **Groundwater**
Aaron Ross **Haugh**
Gareth John **Henshaw**
Andrew George **Hunt**
Richard Paul **Lang**
Philip Neil **McCallum**
David James **McKimmie**
Andrew David **O'Brien**
John Edward **Paulsen**
Justine Karen **Peters**
James Bruce **Roy**
Duncan Charles **Rutherford**
Mark William **Shaw**
Duncan James **Stalker**
Alexander Charles **Wallace**
Jamie Daniel **Ward**

Diplomas in Horticultural Management

Matthew Shaun **Cornelius**
Simon John **Craig**
Hamish O'Donnell **Gordon**
Robert James **Napier**

Diplomas in Horticulture

Gavin Allen **London**
Catherine Joan **Manhire**
Homman Felk **Tapsell**



The following candidates have applied for conferment of degrees or presentation of diplomas or certificates 'in absentia'

Doctors of Philosophy

George **Buhagiar**, in *Environmental Management*
Regina **Eisert**, in *Animal Physiology*
Paul Alan **Herbert**, in *Reproductive Biology*
Blas **Lavandero Icaza**, in *Ecology*
Manfred Josef **Oswald**, in *Neuroscience*
Iete **Rouatu**, in *Economics*
Alison Margaret **Seyb**, in *Plant Pathology*
Antonius Hugh **Snelder**, in *Environmental Management*

Master of Agricultural Science

Su Yhen **Melser**, *Second Class Honours, Division I, in Plant Biotechnology*

Masters of Applied Science

Emma Marie **Moran**, *First Class Honours, in Ecological Economics*
Deen **Mohammad**, *Second Class Honours, Division II, in Forestry*
Michele Alexandra **Frey**, in *Environmental Management*
Brett James **Giddens**, in *Environmental Management*
Anna Elaine **Hunter**, in *Ecology*
Jeanette May **King**, in *International Rural Development*
Brett Adrian **Leyden**, in *Sport Management*
Sopa **Songkram**, in *Environmental Management*

Masters of Commerce and Management

Wei Keong **Chin**, with *Distinction, in Accounting*
Nattawut **Chuisamrarn**, *Second Class Honours, Division I, in Business Management*
Jun **Zhang**, *Second Class Honours, Division I, in Finance*

Master of Environmental Policy

Diana Shirley **Solomon**, *Second Class Honours, Division I*

Master of Horticultural Science

Nigel Allan **Rowe-Lucas**, in *Plant Pathology*

Masters of Landscape Architecture

Richard Edward **Barker**
Nina Beatrice **Harrison**
Bruce Allastair **McKenzie**
Wade Nathan **Robertson**

Master of Parks, Recreation and Tourism Management

Heidi Canterbury **Gonaver**, *Second Class Honours, Division I, in Environmental Management*

Master of Professional Studies

Raymond John **Dowdell**, in *Transport Management*

Master of Property Studies

Frank John **Newman**

Master of Resource Studies

Amos Te Koeti **Kamo**

Bachelors of Commerce with Honours

Anna Theresa **O'Connell**, *First Class Honours*
Nai-Wen **Chung**, *Second Class Honours, Division I*
Lin **Li**, *Second Class Honours, Division I*
Ke **Qi**, *Second Class Honours, Division I*
Aaron John **Hunt**, *Second Class Honours, Division II*
Jian **Shi**, *Second Class Honours, Division II*

Bachelors of Science with Honours

Matthew John **Kavermann**, *First Class Honours*
Jenny Louise **Abrams**, *Second Class Honours, Division I*

Postgraduate Diplomas in Applied Science

Guillaume Clement **Caillot**
Timothy Cord **Durham**

Postgraduate Diplomas in Commerce

Gareth Murray **Allison**, *with Distinction*
Smitha Prithviraj **Deshmukh**
Darryl Shane **Donnelly**
Matthew Lyle **Edmonds**
Peng **Huang**
Tzu-Hui **Kao**
Peng **Tang**
Hui **Ye**
Cuicui **Zai**
Liyang **Zheng**

Postgraduate Diploma in Commerce Subjects

Troy Adam **Surch**

Postgraduate Diplomas in Parks, Recn & Tourism Mgt

Siwapong **Phanpho**
Shumpei **Shono**

Postgraduate Diplomas in Resource Studies

Sharon Gail **Dines**, *with Distinction*
Sophie Jayne **Badrick**
Lutz **Jarczynski**
Jane Elizabeth **Mackay**
Philipp **Mihajlovic**
Peter **Thiede**
Katrina Alana **Williams**

Postgraduate Diploma in Tourism Management

Jun **Kameyama**

Postgraduate Diplomas in Viticulture and Oenology

Jane Marie **Docherty**, *with Distinction*
Jean-Marie Louise **Tompkins**, *with Distinction*
Richard **Trevethick**, *with Distinction*
Craig Philip **Baunton**
Marcus Daniel **Bridges**
Andrew John **Bryant**
Jason Emmett **Budd**
Shani Dale **Burne**
Hugh Newman **Crichton**
Daniel James **Dollimore**
Craig Amery **Erasmus**
Ilse Mari **Erasmus**
Sean **Houghton**
Outi Johanna **Jakovirta**
Zoe Anna **Kane**
Christopher John **Keys**
Simon Charles **Kinley**
Eun Suk **Lee**
Dominic Paul **Maxwell**
Karen Jane **McLeod**
Kirsten Maree **Nelsen**
Katrina Louise **Schulberg**
Wayne Thomas **Sloane**
Julian **Smith**
Todd Anthony **Stevens**

Postgraduate Certificates in Applied Science

Jan Walter **Runge**
Daniel Peter **Ruth**

Postgraduate Certificates in Commerce

Stefanie **Pleuss**, *with Distinction*
Thiagarajah **Ramilan**
James Olabode Bamidele **Rotimi**
Matthew Jade **Schofield**
Kee Teong **Teng**
Miles John Wedderburn **Trent**
Michael Piers **Viner**

Postgraduate Certificates in Resource Studies

Moana Marie **Boyd**, *with Distinction*
Sheralee **MacDonald**

Bachelor of Agricultural Science

Matthew Unwin **Riddle**

Bachelors of Science

Daniel Charles **Aubrey**
Gareth **Chivers**
Alexander Watson **Hedges**
Rhys Francis **Minchin**
Karen Elizabeth **Turnbull**
Matthew Carl **Walker**

Bachelors of Viticulture and Oenology

Jessica Charlotte **Amesbury**
Steven **Bates**
Sebastian **Labbe**
Anthony Matthew **Nappa**
Daniel Eric **Raggett**
Paul Lawrence **Smith**
Samuel Grant **Whitmore**

Graduate Diploma in Applied Science

Nathan Richard **Curtis**, *with Distinction*

Graduate Certificate in Applied Science

Qiongka **Zhu**

Bachelors of Applied Computing

Xi **Chen**
Wan Fung **Chong**
Barbara Jane **Drayton**
Glen Donald **McNiven**

Bachelor of Environmental Management

Alisa Fran **Shrigley**

Bachelors of Landscape Architecture

Roseann Joy **Cameron**, *Second Class Honours, Division I*
Fabian Tzer-Hsien **Low**, *Second Class Honours, Division I*
Marion **Read**, *Second Class Honours, Division I*
Nicola Anne **Campbell**

Bachelor of Maori Planning and Development

Leandra Tehereaikiha Isobel **Paterson**

Bachelor of Parks, Recreation & Tourism

Karen Judy Lee **O'Donohue**

Bachelors of Recreation Management

Outdoor Leadership

Brendon Kevin **Pyle**
Emma Shao-Hua van **Berkel**

Sport

Aimee Louise **Mason**

Bachelors of Resource Studies

Grant James **Anderson**
Emma Marie **Cannan**
Kurt John **Ridling**

Bachelor of Tourism Management

Yinan **Li**

Graduate Diplomas in Applied Computing

Hamish James Alister **Gardiner**, *with Distinction*
William Robert **Irwin**, *with Distinction*
Shi Ping **Wang**, *with Distinction*

Graduate Diploma in Maori Planning

John Gerard **O'Sullivan**

Graduate Diploma in Tourism Management

Andrew Philip **Kirkpatrick**

Graduate Certificate in Applied Computing

Shiping **Zang**

Graduate Certificate in Recreation Management

Chen **Li**

Graduate Certificates in Resource Studies

Moana Marie **Boyd**
Peter James Hunter **Scott**

Graduate Certificates in Tourism Management

Chen **Li**
Sachiko **Okamoto**

Bachelors of Commerce (Agricultural)

Edward Richard **Aubrey**
Hayden David **Mackenzie**
Jansen John **Travis**

Bachelor of Commerce (Transport and Logistics)

Guobao **Lu**

Bachelor of Commerce (Valuation and Property Management)

Benjamin Carl **Middlewood**

Bachelors of Commerce and Management

Ang Yen **Hun**
Annette Raewyn **Burgess**
Samuel Matua **Cavanagh**
Dzuriati **Dzulkhaini**
Bo **Gao**
Andrea Claire **Gosney**
Jiang **He**
Suphophon **Henkanklai**



Jong Fan **Jap**
Dolrudee **Kriangkraipat**
Le Thi My Hanh
Bo **Li**
Li **Li**
Ying **Li**
Vui Ping **Liaw**
Shanfeng **Lin**
Tai-Chen **Lin**
Ning **Liu**
Yannan **Liu**
Kanokporn **Ngamvilaidee**
Ye Long **Oon**
Shivam **Reddy**
Ren **Ren**
Karl David **Samson**
Yang **Shi**
Yan **Song**
Yang **Sun**
Ziming **Tang**
Tian **Tian**
Christine Elizabeth **Voss**
Yanhong **Wang**
Tony William **Ward**
Wu Yating
Yang Chang
Tao **Zhai**
Lan **Zhang**
Xue **Zhang**
Minyu **Zheng**
Lan **Zhou**

Graduate Diplomas in Commerce

Yaling **Wang**, *with Distinction*
Prithviraj Madhavrao **Deshmukh**
Jonathan Henry **Dixon**
Melody Ann **Fraser**
Doreen Margaret **Goldsworthy**
Xiao Lu **Jin**
Ricardo Manuel **Lazo Martinez**
Matthew Jade **Schofield**
Emma **Shaharudin**
Amit **Talwar**
Kiun Seng **Theng**
Hui **Wang**

Graduate Diploma in Valuation

Jong Chul **Eum**
Matthew Paul **Greenland**

Graduate Certificates in Commerce

Peng **Fei**
Julia **Groll**
Jeong Won **Lee**
Anna Margaret **Pettigrew**
Qi **Tang**
Nicole **Wang**
Timothy Holden **Ward**
Dan **Yu**

Diplomas in Commerce

Liqun **Qin**
Zhe **Sun**

Diplomas in Farm Management

Duncan Charles **Clayton-Greene**
Michael James **Rope**
Sam William **Shield**
Brendan James **Wilkins**

Diplomas in Horticultural Management

Sarah Jane **Grindell**
Duane Paul **McGrath**

Diplomas in Horticulture

Megan Lisa **Hanson**
Rachael Elizabeth **Maxwell**
Jennifer Louise **Menefy**
Gijsbert Martinus **Van Heuckelum**

The following candidates have had degrees conferred, or diplomas or certificates presented since the last graduation ceremony, on 23 April 2004

Masters of Agricultural Science

Fernando Federico **Figueredo Candia**, *First Class Honours, in Farm Management*
Musa Bakari **Mwakangwale**, *Second Class Honours, Division II, in Seed Technology*
Juan Fernando **Vela**, *in Dairy Farm Systems*

Masters of Applied Science

Cynthia Merrion **Roberts**, *First Class Honours, in Ecology and Conservation*
Larissa Gail Athow **Ball**, *with Distinction, in Environmental Management*
Vorajit **Sunaseweenonta**, *Second Class Honours, Division I, in International Rural Development*
Benjamin Philippe **Cousin**, *Second Class Honours, Division I, in International Rural Development*
Virginia **Serra Postiglione**, *Second Class Honours, Division I, in Agribusiness*
Addy Elvia **Zarzosa Barragan**, *in Environmental Management*
Peter James **Spaven**, *in Environmental Management*

Master of Commerce and Management

Peter Raymond **Tait**, *Economics*

Master of Parks, Recreation and Tourism Management

Julia Maggie **McCleave**, *Second Class Honours, Division I*

Master of Property Studies

Vance Martin **Winiata**

Bachelors of Commerce with Honours

Chokdee **Wisansing**, *First Class Honours*
Andre Stuart **Lietz**, *Second Class Honours, Division I*
Christopher Nathaniel **Whiteside**, *Second Class Honours, Division I*

Postgraduate Diplomas in Commerce

David Glenn **Brown**
Raghu Chaitanya **Nayak**

Postgraduate Diploma in Resource Studies

Robert Duncan **Parsons**

Postgraduate Diploma in Social Science

Alison Jean **Kagen**

Postgraduate Diplomas in Viticulture and Oenology

Wilco Serban **Lam**
Cara Bridget **Milne**
Edwin John **Walder**

Postgraduate Certificate in Applied Science

Sven - Eric **Brune**
Rolf **Vinnemeier**

Postgraduate Certificate in Commerce

Li **Liu**

Postgraduate Certificates in Resource Studies

Carolyn Margaret Rose **Brown**
Sondra **Collins**

Bachelor of Agriculture

Morgan William **Stevenson**

Bachelors of Science

Guillaume Clement **Caillot**
Benjamin Malcolm **Hancock**
Yi-Sien **Lin**
Grant Bruce **Poswillo**

Bachelor of Viticulture and Oenology

Peter Joseph **Devison**

Bachelor of Applied Computing

Yang **Deng**

Bachelor of Landscape Architecture

Peter Michael **de Lautour**

Bachelor of Parks, Recreation and Tourism Management

Dion Lewis **Scott**

Bachelors of Resource Studies

Brody John **Halkett**
Jerry Saffron Emily **Pardy**

Bachelor of Tourism Management

Mikael Ross **Jones**

Graduate Diploma in Recreation Management

Shumpei **Shono**

Graduate Diploma in Resource Studies

Robert Benjamin Horst **Schadewinkel**

Graduate Certificate in Applied Computing

Richard Willis **Johansen**
Chin Ching **Wan**

Bachelor of Commerce (Hotel and Institutional Management)

Fang **Wang**

Bachelor of Commerce (Tourism)

Yung Gi **Kim**

Bachelors of Commerce and Management

Maha Sherif Amin **Ahmed**
Ming **Dai**
Kimberley Anne **Jensen**
Gwang **Kim**
Li **Ma**
Sarah **Peterson**
Xi **Wang**
Hai Long **Zhang**
Xiao Feng **Zhang**
Xianbo **Zhu**

Graduate Diplomas in Commerce

Beverley Janet **Brewster** *with Distinction*
Romain **Dardart**
Nicholas Samuel Mark **France**
David Ian **Hodgson**
Xiaoying **Li**
Paul Damien **McMenamin**
Jason Douglas **Woodyard**
Lin **Tang**
Shanshan **Wang**
Ji **Wu**
Hailong **Zhang**
Lei **Zhang**

Graduate Certificate in Commerce

Kun **Fu**

Diploma in Horticultural Management

Mark Bernard **Real**

Degrees to be conferred at a University of Canterbury ceremony on 15 April 2005

Bachelors of Engineering in Natural Resources Engineering

Sarah Shalom **Dudson**, *Second Class Honours, Division I*

Sarah Rosemary Gwendolyn **Laurence**, *Second Class Honours, Division I*

Suzanne Kate **Marsh**, *Second Class Honours, Division I*

Gary Noel **Stevenson**, *Second Class Honours, Division I*

Heather Dawn **Kikkert**, *Second Class Honours, Division II*

Alastair Caleb Vincent **McNabb** (*conferred 15 December 2004*)



Biographical Notes on the Bledisloe Medallist

Dr Michael William Dunbier

Mr Chancellor, this year is the 75th anniversary of the establishment of the Bledisloe Medal as Lincoln University's supreme award specifically for alumni.

It was instituted by the Governor-General Lord Bledisloe in 1930 and it acknowledges outstanding contributions by alumni to the advancement of New Zealand's interests.

It is most appropriate, Sir, but entirely coincidental, that in the medal's jubilee year it should be awarded to someone from the same general area of endeavour as the very first recipient 75 years ago, the cropping industry.

The inaugural award was made to one of Canterbury's largest wheat growers, Harry Knight of Darfield. Today it is being presented to a man who has also made his name in New Zealand's arable sector - on the research side - Dr Michael Dunbier.

Dr Dunbier, who holds Bachelor of Agricultural Science and Master of Agricultural Science (Honours) degrees from Lincoln University, plus a PhD from the University of Wisconsin, Madison, began his "cropping" career as a research scientist in the Crop Research division of the old DSIR soon after leaving Lincoln.

Genetics, plant breeding, seed production and technology transfer were his scientific forte, but he also possessed leadership qualities and managerial ability and the combination of all these talents eventually led him to the top job - Director, DSIR Crop Research.

That was in 1983 and he was nine years in the position. Change, however, was afoot and New Zealand was heading towards a revolution in the way state services were organised. Government departments were being reinvented as State Owned Enterprises and other entities. The DSIR was broken up into a number of new corporate bodies and in 1992 the New Zealand Institute for Crop and Food Research Ltd came into being.

Dr Dunbier was appointed foundation CEO of the new institute, responsible to a Board of Directors and charged with returning to the Crown a profit on investment, just like any other business.

Crop and Food was not the only former government department making the transition to the corporate world but history now shows that its cross-over was one of the smoothest and best managed, and the wise pace and guidance of its CEO has, with hindsight, been applauded.

His success in strengthening DSIR Crop Research and ensuring that the arable and vegetable industries were represented as a single CRI during the period of structural change in science in New Zealand is a clear example of his managerial skills.

Mike had the ability to make a successful transition from scientist to corporate manager, says one close observer. Not everyone at the time had that knack. He had a quiet manner but he knew the industry very well in terms of building up a client base and he also forged good strong overseas links with organisations in the UK and North America.

The building blocks he put in place as CEO in terms of structures and the appointment of talented staff showed their value in the CRI's moment of greatest need, after the tragic air crash of June 2003 that killed seven senior managers. He was by then no longer CEO but during his tenure he had helped establish a depth of talent at the CRI that meant the positions of almost all the lost managers were able to be filled from within the organisation.

As a CEO Mike had endeavoured to provide his staff with real scope for development by giving them new skills and by delegating responsibility and accountability. This too was a valuable contribution that was subsequently a factor in the company's recovery from the air crash.

Both as a DSIR Director and a Crown Research Institute CEO Dr Dunbier has had a leading role in shaping much of the development of research in New Zealand's arable, vegetable, floriculture and food industries. These industries have taken an innovative approach to research and technology and successfully adapted their direction towards producing high quality foods and advanced biological materials.

Dr Dunbier has always displayed an open approach to industry and as a CEO he succeeded in relating agricultural and food research closely to industry requirements achieving considerable success in technology transfer and the development of substantial commercial support for research programmes.

At Crop and Food he was determined to get the company involved and recognised as part of the international fabric of research, especially by considering Australia as an extension of its market.

And beyond Australia this international focus yielded valuable plant breeding agreements with Northern Hemisphere operators.

His stature in the fields of research and industry in New Zealand and overseas has led to his involvement with a wide range of organisations and numerous significant appointments.

He was the first overseas board member of the Australian Grain Research Development Corporation and a foundation board member of the Foundation for Research, Science and Technology, chairing its Physical and Engineering Sciences Advisory Committee.

His membership of Australia's Quality Wheat Co-operative Research Centre Ltd and his involvement with the board of the Australian Grains Research and Development Corporation subsequently developed into major joint Australasian research projects for Crop and Food such as "Vital Veges" and "HRZ Wheat". It has also evolved into a linkage between the Foundation for Arable Research and the Grains Research and Development Corporation.

He was Chairman of the Arable Food Industry Council (the industry body representing all parts of the New Zealand arable food supply chain)

and he has chaired the International Science and Technology Advisory Committee which is the advisory group for the Minister of Research, Science and Technology.

Internationally Dr Dunbier has undertaken professional research, planning and advisory work in numerous countries. He worked hard with a group of colleagues advocating New Zealand's return to the Consultative Group in International Agricultural Research (which it had quit during the Muldoon era). Renewed membership has provided valuable international research networking and Dr Dunbier sees getting New Zealand involved again as a highly beneficial achievement for the country. He has subsequently been a member of the New Zealand delegation to meetings worldwide.

Dr Dunbier's collaborative style has enhanced links between universities and other research organisations, both in New Zealand and overseas, resulting in better research and education for the arable sector.

Dr Dunbier resigned (he still hasn't retired from anything!) as CEO of Crop and Food at the end of 2001 to set up his own consultancy company, Dunbier Associates Ltd. Other current roles include directorships of Dairy Insight Incorporated, the Foundation for Arable Research and SunPrime Seeds in Australia.

In all respects the career of Dr Michael William Dunbier has significantly advanced the interests of New Zealand's land-based economy, thus making him a most worthy recipient of Lincoln University's top award exclusively for alumni, the Bledisloe Medal.

Honorary Doctorates

Frank Boffa, Doctor of Natural Resources *honoris causa*

Frank Boffa is New Zealand's leading consultant landscape architect. He founded New Zealand's largest and best-known landscape architecture consultancy, and has led the way in making landscape architecture in New Zealand a successful planning and design profession.

Three years ago, this University honoured our former staff member, Charlie Challenger, as the pioneering academic figure in landscape architecture in New Zealand. Today we honour Frank Boffa as the pioneer of professional practice in Landscape Architecture, and it is with pride that Lincoln University can claim Frank Boffa as both a past staff member, and a former student.

It has been a long journey and almost 50 years has passed since Frank arrived at Lincoln College to study for a Diploma in Horticulture. Behind him was an apprenticeship in horticulture with Wellington City Council and ahead, as we now know, was his life's calling as a landscape architect.

Frank was awarded his diploma at the 1963 Graduation Ceremony, along with the SC Harris Cup for the top student in the final year of the Diploma in Horticulture.

There was no landscape architectural qualification available in New Zealand, and so Frank applied for, and obtained, a Rotary Scholarship to study in the USA, where he completed a Bachelor of Landscape Architecture at the University of Georgia. He returned to New Zealand in 1968 and joined Lincoln College as a Lecturer in Landscape Architecture, working with Charlie Challenger in the newly established programme.

In 1971 Frank left Lincoln and set up a consulting practice, in partnership with one of the first graduates in Landscape Architecture from Lincoln, (now Dr) Tony Jackman. In 1976 Frank moved to Wellington (where he has worked ever since) and established a second office. The company that is now Boffa Miskell Ltd offers integrated environmental planning, design and

ecology services throughout New Zealand and in SE Asia and the Pacific.

The list of projects and clients with whom Frank has worked is a "who's who" of New Zealand companies, business leaders, and government organisations. He was involved in the petrochemical developments in Taranaki, and has advised a range of other energy companies such as ECNZ and now Transpower, and Solid Energy. He has an extensive list of clients in the building and construction industry and in land development; port companies; many local authorities and many private landowners; as well as government agencies and conservation organisations.

Frank's early projects still stand up to contemporary scrutiny. The recent Government acquisition of parts of Castle Hill Station, for example, resonates with an early planning study he completed with the late John Hayward, back in 1972.

The Castle Hill work was undertaken as part of an association with the Tussock Grasslands and Mountain Lands Institute at Lincoln University. Its former Director, Emeritus Professor of Range Management Professor Kevin O'Connor, notes that the study was the first formal site evaluation in New Zealand made of the impact of a proposed development on the aesthetic qualities of a valued landscape. This was in the early days of environmental assessment and it established Frank Boffa's name for this type of work.

Today environmental impact is a fundamental consideration before any development takes place, and Frank frequently provides expert evidence to the Environment Court, where he is held in the highest regard by related professionals, lawyers and the judiciary.

His credibility as an expert witness has also led to him being appointed a Commissioner to preside at resource consent application hearings, and to make formal decisions on outcomes.

Frank is a true professional – he is technically first rate, a highly astute businessman, an outstanding team player in whom staff and clients can have total confidence, and he has passed on his skills to successive generations of new graduates.

The “Boffa style” is unforgettable - he appears totally relaxed and unhurried, with a wonderful feel for people, says Professor O’Connor, and perhaps this is the key to his success.

He is a true “land and people” person, believing that the one is inseparable from the other, and that both are of equal significance. His ability to communicate landscape and environmental issues effectively to clients - some often needing to be convinced of particular needs or priorities - is remarkable.

Frank has been the leading organiser of a succession of outstanding professional conferences, each of which has set new standards of debate, hospitality and sponsorship, and Boffa Miskell Ltd has been a supporter of many professional events and student prizes.

In 1998 Frank Boffa was awarded Life Membership of the New Zealand Institute of Landscape Architects, in recognition of his tireless work and advocacy for the profession. He was part of the small group that set up the Institute in 1973, was on its first executive, and served as its second President.

As chair of the Editorial Panel of the journal *The Landscape*, which was published by the NZILA, Frank helped establish a high benchmark of design quality for the profession. He has served on numerous professional committees and panels, and is a trustee of the Landscape Education Foundation. He continues to serve the profession, and is currently convenor of the NZILA educational accreditation panel responsible for visiting tertiary institutions teaching landscape architecture.

Frank Boffa’s influence also extends beyond the profession of landscape architecture. For example, during his term as President of the NZILA he was a strong advocate for the establishment of the QE II National Trust.

Mr Chancellor, five years ago Frank’s other alma mater the University of Georgia bestowed a Distinguished Alumnus Award upon him. Today we confer this University’s highest award, an honorary doctorate.

Sir, I present Francis Dion Boffa for the degree Doctor of Natural Resources *honoris causa*.



Emeritus Professor Reinhart Langer, Doctor of Science *honoris causa*

Mr Chancellor - what is there to say about Reinhart Langer that hasn't already been said at valedictories, fellowship award ceremonies and on numerous other public occasions?

"Langer of Lincoln" - it has a certain resonance, doesn't it. What it signifies of course is an inseparable entwining of man and institution, an association that has placed the friend and colleague we honour here today in the highest echelon of distinction among those who have served this University and this country.

Professor, Head of Department, Vice-Principal, Acting Principal, Emeritus Professor, Officer of the Most Excellent Order of the British Empire, Fellow of the Royal Society of New Zealand, Fellow of the New Zealand Institute of Agricultural Science - Reinhart Hugo Michael Langer has been the recipient of many titles and accolades during his 46-year connection with Lincoln. Now, at this ceremony, he receives the highest award the University can bestow, an honorary doctorate, Doctor of Science *honoris causa*.

The dates and appointment details of Reinhart's career are well documented, as a perusal of Who's Who and other public biographical directories will reveal -

PhD University of Durham 1951; Plant Physiologist Grassland Research Institute, Hurley, England, 1951-54; Head of Plant Physiology Department, Hurley 1954-58; Professor of Plant Science, Lincoln College, 1959-84; Head of the Plant Science Department, Lincoln College, 1959-81; Vice-Principal Lincoln College 1978-85; Acting Principal, Lincoln College, 1984-85; Council Member, Royal Society of New Zealand 1970-76; Member of the University Grants Committee 1976-80; Chairman of the Wheat Research Committee 1973-80. And after retirement from Lincoln, Sir, there has been major consultancy work for Indonesia on a polytechnic project; long and energetic service to the Hellaby Indigenous Grasslands Research Trust; enthusiastic support for the University of the Third Age; and many other public involvements.

Life, however, is more than dates on a CV or lines in a Who's Who. Palfry indeed would be a career remembered solely on paper and not in the lives

of those it has touched. Such is certainly not the case with Reinhart Langer. His career as a teacher, researcher and university administrator has touched many lives. Indeed it could be said, if you seek his works, look around.

Professor Langer transformed teaching about plants at Lincoln. As Dr Ian Blair says in the College history *The Seed They Sowed*, he was responsible for the shift from plant husbandry to plant science. His students had a word for his approach - "Langerisation". It involved learning about plants by going right back to physiological fundamentals, indeed to the cellular level, and building an understanding of structure, processes, and management from that point upwards. The concept is encapsulated in the title of one of his many books, namely "How Grasses Grow".

The agronomy and physiology of pasture grasses and cereals was his particular focus. Economically they are the most important agricultural plants in the world. After all, as he said in a preface to one of his many books, "all flesh is grass". Wheat in particular commanded his attention and he was a member of the national Wheat Research Committee for 16 years and chairman for four.

Without contradiction it can be said that New Zealand's wheat industry is the better for Langer, from the application of the physiological principles he so clearly identified and communicated to his students and to practising farmers through to his enthusiastic support for events such as the annual ICI Wheat Competition.

Lucerne and other pasture legumes also famously absorbed his attention.

But such matters have been referred to on many other laudatory occasions.

Reinhart Langer retired from Lincoln College in 1985 after serving the final period of his campus career as Acting Principal - a "crowning role" as one colleague referred to it, supported ably as in all his posts, by wife Hilary.

It is hard to believe that his retirement was now 20 years ago. The passage of time does however provide a useful yardstick with which

to assess genuine contribution and reputation. Fulsome praise at the moment of retirement soon falls away and truth is always revealed by the unfolding of the years.

Time, indeed, is the true test of distinction, and we would not be gathered here today honouring this man if he were not living proof of this principle.

This is what we can say about Reinhart Langer that has not been said before - his work has stood the test of time.

He continues to be universally remembered, revered and respected by his peers, colleagues, and former students.

Going back to his very first year at Lincoln, 1959, here's a memory from a someone who is now a senior academic of this university but was then a lowly first year ag. sci. student. It was instantaneously the first memory that came to mind over a span of 46 years when the name "Langer" was mentioned to him. It illustrates the wonderful rapport that Reinhart had with students.

"I was hitch-hiking into Christchurch one day early in my first year at Lincoln, hoping to get a ride from a fellow student. Eventually a car stopped to give me a lift and I was most surprised to see that the driver was none other than the new Professor of Plant Science!

"I was really amazed ... a professor stopping for a student! But that's the sort of person he was - always open and welcoming. In fact he treated his students like colleagues."

He treated his students like colleagues - what a marvellous testimony. And in that phrase we might well have the key to his success as a teacher. What a stimulus to scholarship, to be treated as a colleague by one so erudite, and make no mistake Reinhart Langer is a scholar of the first order - literate, articulate, widely read, deeply cultured. His approach was the very antithesis of what is today referred to as "dumbing down". It encouraged, instead, "rising up" to new levels of self-expectation and achievement. One of the proofs of its success is in the remarkable record of his past students who have gone on to national and international prominence. One of them stands with us today as this year's Bledisloe Medallist. Dr Mike Dunbier who was in Reinhart's classes as an

undergraduate then had him as supervisor for his masters degree. Dr Dunbier is by no means the first Langer protégée to be awarded Lincoln University's prestigious Bledisloe Medal.

He thus lives on in the memory of his former students and in what they have achieved in their own lives through applying the level of scholarship he expected of them and gained through their respect for him.

Similarly he is remembered by his staff as a wonderful boss and mentor and he inspired tremendous loyalty.

His influence lives on too in the teaching of plant science, with "Langerisation" still a guiding principle. It too has stood the test of time.

The author, co-author or editor of numerous books, his Agricultural Plants written with colleague Associate Professor George Hill was published by Cambridge University Press, had editions translated into Spanish and Italian, and is still a text used by Lincoln students today. In fact the University Library confirms that most of his books continue to be "hugely used" used by students. Thus his authorship, another strand of his genius, survived the test of time.

Sir, Reinhart Langer's place in the history of Lincoln University is assured. So too is it assured in the story of New Zealand as a whole. It is no insignificant fact that he is the sole Lincoln staff member mentioned in the late Michael King's last published book "A Penguin History of New Zealand".

Mr Chancellor, in one of his masterfully penned citations for the honorary doctorates awarded at Lincoln College's Centenary Celebrations in 1978, Professor Langer introduced a memorable moment of levity in relation to Professor Ian Coop's award. "What is a Coop worth?" he asked, going on to say that the response must assuredly be the degree of Doctor of Science honoris causa.

Perhaps today as we now award Professor Langer the same degree, you could draw on your Scottish heritage, Sir, and invoke the old Gaelic wish - "*Langer may y' r lum reek!*" (Based on "Long may your chimney smoke", for you Sassenachs.)

Mr Chancellor, may I present Reinhart Hugo Michael Langer, Emeritus Professor of Plant Science, as in all respects a worthy candidate for the degree Doctor of Science honoris causa.

Lincoln University Excellence in Teaching Awards 2004

Sustained Excellence

Professor Steve Wratten

Lincoln University is proud to present Professor Steve Wratten, Professor of Ecology, with a Lincoln University Excellence in Teaching Award in the category of Sustained Excellence.

Professor Wratten is a charismatic and inspirational teacher, largely due to his recognition of the importance of the factors influencing student motivation and the ways in which teachers can respond to them. He is consistently rated in the top 10% of Lincoln University teachers of undergraduates. Yet this has not always been the case; in 1993, his first year at Lincoln after arriving from the UK, students rated his teaching as rather poor, and he experienced difficulties in maintaining attendance levels and student attention. Professor Wratten was determined to overcome these problems; advice from Neil Fleming (then Director of the Education Centre) resulted in change, particularly in techniques for maintaining student attention span, motivating students, and setting clear learning outcomes.

Professor Wratten's lecture presentation style and techniques include the frequent use of apposite video clips lasting three to four minutes and from a wide range of sources, and frequent changes of media which include slides, video, PowerPoint, oral anecdotes, humour, and live examples (30 cm silhouettes of active beetles projected from the OHP onto the screen certainly grab an audience's attention!). He is also well known for his acronyms, designed to facilitate student capture and retention of fundamental points and concepts.

His teaching and research in ecology was recognised by Lincoln University with the award of a Personal Chair in Ecology in 1996 and in November this year his contributions to science were acknowledged by his peers with his election as a Fellow of the Royal Society of New Zealand. This expertise and experience is reflected in his postgraduate teaching and

training. He is currently supervising his 70th PhD student; to date all have been successful. Professor Wratten's enthusiasm for research and innovation transfers itself to his students, both in the way they conduct their research, and the fact that by the time the thesis is submitted, one or more scientific papers have been published or are 'in press'.

Professor Wratten was the University's Academic Programme Director – Postgraduate for five years in the 1990s, and embarked on a mission to improve postgraduate student oral and written communication skills, supervisor-student relationships, and working in team skills. Many of his initiatives are now part of the fabric of Lincoln's postgraduate procedures. For example, the annual Postgraduate Conference, Communication Skills Workshop and Mutual Expectations Agreement.

An enthusiastic and highly effective communicator, Professor Wratten inspires his students to learn. For a decade he has demonstrated excellence in teaching at both undergraduate and postgraduate levels. He richly deserves this award for Sustained Excellence in Teaching.

Excellence in Innovation

Dr David Dean

Lincoln University is proud to present Dr David Dean, Senior Lecturer in Marketing, with a Lincoln University Excellence in Teaching Award in the category of Excellence in Innovation.

Dr Dean is passionate about teaching and his students know it. It's a passion based on his own love of learning, and it has driven him to develop 11 new subjects in business management and marketing at Lincoln University since his appointment in 1993. Commenting on this process, Dr Dean explains:

I love to learn and when I have learned something I want others to share in the learning. So most of the time when I have been busy developing a new subject, the excitement of learning and broadening my knowledge base flows into an excitement for trying new and different ways to facilitate learning for others.

Consequently, Dr Dean has received outstanding evaluations from students in a very wide range of subjects taught within the Commerce Division. These evaluations reflect the innovative approach he takes to each subject to cater for different learning styles among his students. Students are able to choose to submit case studies every week if they so choose, for immediate feedback on their learning and for credit. This is a significant commitment to extra marking by Dr Dean, but greatly enhances the learning of students in these classes.

A feature of all commerce teaching at Lincoln is the way in which it blends theoretical and applied work. Dr Dean's classes are renowned for getting the students involved with local business. This includes group projects that over the years have involved more than 200 local firms, as well as class visits to local businesses to observe core concepts such as total quality management operating in practice.

A particularly good example of his innovative approach is the way Dr Dean responded to the challenges of teaching in Lincoln's commerce programme in Malaysia. Dr Dean found that group presentations did not engage the class

as they had done at Lincoln, so he changed the assessment to involve role-playing. Groups were assigned one case study where they acted as external consultants, and another case study in which they acted as the board of directors. The results were electric. The board of director groups furiously took notes trying to find weaknesses in the consultants' cases, and this was followed by animated debates after each presentation. The learning outcomes and student evaluations were outstanding.

Dr Dean is a passionate and innovative teacher who inspires his students to share his own love of learning. Lincoln University is pleased to honour his sustained excellence in innovative teaching with this Excellence in Teaching Award.



Doctors of Philosophy

Mohd Salleh Aman, *in Leisure Studies*

In his PhD research, Mohd. Salleh Aman considered the usefulness of a social science theory - the 'convergence thesis' - to understand comparative developments in leisure, sport and recreation in New Zealand and Malaysia.

He found that in New Zealand and Malaysia, leisure behaviour is susceptible to global trends because of the common currency of electronic-based leisure practices. In leisure policy too, there are converging trends. Governments are required to respond to outside forces such as the popularity of sedentary leisure with its impact upon the health and fitness levels of its citizens, as they seek to prepare for global sporting events such as the Olympic and Commonwealth Games. The organisation of leisure - leisure structures - requires the mediation of governments in both Malaysia and New Zealand to ensure that commercially-provided leisure does not drive out the not-for-profit sector and public provision.

Salleh's support for the convergence thesis is offered cautiously and conditionally as the

patterns of local government are very different in the two societies, notably, because of the role of Islam in Malaysia. Salleh concluded that the convergence thesis can be a useful tool of comparative research provided it is applied critically in every case.

Salleh's research enriches the study of leisure, sport and recreation, particularly the comparative leisure studies literature, which is currently in its infancy. Further comparative research in additional countries, may help increase the sophistication of this research model.

Prior to his PhD studies Salleh completed a BA (Hons) degree in Geography and a MEd degree in Health and Physical Education.

Salleh is currently employed as a sport and recreation lecturer at the University of Malaya, Kuala Lumpur, and seeking opportunities in the post-doctoral research area.

Mandy Claire Barron, *in Ecology*

Mandy Barron investigated the effects of non-target parasitism on red admiral butterfly (*Bassaris gonerilla*) populations for her doctoral research. There is anecdotal evidence that red admiral numbers have declined since the early 1900s, coinciding with the introduction of the generalist pupal parasitoids *Pteromalus puparum* and *Echthromorpha intricatoria*.

The red admiral butterfly is endemic to New Zealand and is, arguably, the most distinctive species in our limited butterfly fauna (only 23 species). *P. puparum* was deliberately introduced for the biological control of the cabbage white butterfly (*Pieris rapae*), while *E. intricatoria* was an adventitious arrival from Australia. In the absence of historical data on red admiral abundance, population models were used

to estimate any changes in their population levels. A population model for red admirals was constructed, based on a detailed autecological study of populations on Banks Peninsula. The mortality caused by the parasitoids was then removed to give an estimate of red admiral abundance in the absence of pupal parasitism. This retrospective model suggested that *P. puparum* has had little impact on red admiral populations but that *E. intricatoria* has reduced red admiral populations on Banks Peninsula.

Mandy conducted this study while employed by AgResearch Lincoln. Her findings contribute to the research of her colleagues in the Biocontrol and Biosecurity Group, who work on ways to improve the efficacy and environmental safety of biological control in New Zealand.

George Buhagiar, in *Environmental Management*

George Buhagiar came to Lincoln University to undertake his PhD on study leave from his position as the Senior Architect/Engineer/Planner at the Ministry for the Environment in Malta.

His research focused on the capacity of governments to address environmental issues in a more integrated way (the capacity for Integrated Environmental Management, IEM), using Malta as a case study.

The significance of his research is that it improves the understanding of the factors influencing governments' ability to deal with environmental issues in an integrated way, and puts forward ideas about how that capacity

can be improved. IEM is important as many environmental problems are interrelated and can only be effectively addressed if they are dealt with in a concerted manner. The thesis makes an important contribution to the development of theories about IEM and IEM capacity as a basis for advancing and enhancing them both in practice.

After completing his PhD George is actively promoting what he has learned in that context and is interested in expanding his involvement in teaching and supervising students in architecture/engineering and environmental management at the University of Malta, where he has been a guest lecturer.

Meegalla Ralalage Chandraratne, in *Computer Vision and Bio Processing*

The New Zealand meat industry produces a wide range of products for overseas and domestic markets. To compete in these markets it has become increasingly important for the New Zealand meat industry to produce the highest quality meat. Visual assessment by humans is the usual way to classify meat but this approach is unsatisfactory due to human errors. To ensure consistency, reproducibility and objectiveness of carcass grading there is, therefore, a need for methods based on objective measurements.

Meegalla Chandraratne's PhD research project investigated the use of computer vision to determine the meat quality of lamb and to provide an imaging system that could be used in retail operations. The information in the captured images is translated into parameters which measure meat quality characteristics.

The computer imaging system he developed could grade the carcasses, determine the amount of lean, marbling and external fat in meat cuts as well as some eating quality (tenderness) characteristics.

After gaining a BSc (Engineering) degree from the University of Peradeniya (Sri Lanka), Meegalla worked nine years in petrochemical and sugar industries as a Chemical Engineer and, subsequently, took up a position as a Lecturer in Mechanical Engineering. He completed an MSc (Combustion and Energy) degree from the University of Leeds (UK) before joining the University of Peradeniya (Sri Lanka) as a Lecturer in Chemical Engineering.

Meegalla is currently employed as a Postdoctoral Fellow in the Agriculture and Life Sciences Division at Lincoln University. He will continue with his research into quantifying meat quality characteristics.

Michael David John Clements, *in Marketing and Business Management*

“Business-to-Business Relationships: Assessing the value of buyer / seller cooperation in the New Zealand environment” was the title of Michael Clements’ PhD thesis.

Mike’s study proposed and investigated a theory of how buyers and sellers value co-operative relationships across a range of relationship types.

Today firms do not just compete on product or service attributes, but also on their ability to differentiate themselves from other firms. Supply chains provide this point of differentiation and enable firms to improve their competitive position as a result of the strengths of the supply chain.

Although numerous studies confirm the importance of effective inter-firm relationships, less is known about how firms determine which relationships to develop. In this research Mike used empirical data gathered from food manufacturing and food distributor industries throughout New Zealand.

The results indicate the differences between buyers and sellers with regard to these relationships and provide in-depth understanding of which values differentiate which relationship levels for both the buyer and the seller.

This knowledge will enable managers to determine which of their current relationships need further resources. A better understanding of the nature of commercial relationships can lead to greater efficiency between firms, resulting in lower costs of operation, lower costs across a supply chain and, ultimately, the consumer will benefit via lower prices for goods.

Originally Mike comes from a strong logistics background with the New Zealand Army. More recently, his experience includes several senior roles in management and marketing, cumulating in the position of National Manager for a food manufacturing and distribution firm. Currently, he is a lecturer in marketing and supply chain management at Lincoln University.

Regina Eisert, *in Animal Physiology*

After completing her PhD studies on the metabolism of lactating Weddell seals in Antarctica, Regina Eisert accepted a position as a postdoctoral fellow at the National Zoological Park, Smithsonian Institution, Washington DC, USA, where she is studying the energy metabolism of large mammals

The metabolism of lactating Weddell seals is interesting because it was suspected that these animals did not feed for a large part of the lactation period, which lasts about seven weeks. Going for such a long period of time without feeding is extraordinary. However, Regina was able to show that, contrary to what had been largely believed by previous researchers, these animals resume feeding before they wean their pups. Her measurements of changes in body reserves and of specific metabolic fuels,

including some called ketone bodies, have advanced the knowledge of energy metabolism in these large seals.

In addition, Regina made a major contribution to marine mammal science by developing a method for using a small blood sample to detect when an animal has eaten fish. This is likely to be an important technique for marine animal biologists.

A German citizen, Regina attended high school in Christchurch at Rangi Ruru Girls’ School before coming to Lincoln University to gain the degree of Bachelor of Science with 1st Class Honours.

Andrew Lester Fletcher, *in Crop Physiology*

Andrew Fletcher's PhD project at Lincoln University investigated the responses of sweet corn to a limited supply of phosphorus during growth.

Andrew's results showed that limited phosphorous supply from the soil delayed the development of the leaf area of the crop. As a consequence, the crop captures less of the available sunlight on any given day and, therefore, the crop yield is reduced. The crop maturity (time to pick the cobs) was delayed in the phosphorus-stressed crops and the cobs usually had a greater length of unfilled kernels, which would lower their marketability on the fresh market.

Overall, this research highlighted the importance of maintaining the soil phosphorus supply to the plant during the early stages of crop growth. It also implies that the current commercially recommended phosphorous fertiliser levels

may be reduced if suitable targeted alternative methods of supply early in the crop season can be created. If this work is confirmed for other species, then appropriate strategies can be developed to reduce both the demand for scarce phosphorous resources and the possibility of fertiliser run-off from agricultural land.

Andrew completed a BSc. (Hons) at Lincoln University and then commenced Ph.D. study with a Bright Future Doctoral Scholarship. Having completed his PhD, Andrew will take up a postdoctoral research position at the University of Florida in Gainesville, USA, where he will be examining responses to drought of soybean and sorghum crops. In the future, he hopes to return to New Zealand to continue his research career.

Paul Alan Herbert, *in Reproductive Biology*

Paul Herbert investigated fertility control methods in possums for his PhD. His research was carried out at Landcare, Lincoln, with academic supervision from Lincoln University.

In order to control possum populations in New Zealand by using methods that interfere with fertility, it is essential to know about the normal regulation of reproduction in this animal. Paul set out to examine the interaction between ovarian function and its feedback control of the brain and pituitary gland as a major component of the regulation of reproduction. The premise was that possums were likely to have similar mechanisms to those of other seasonally breeding mammals, but this had to be tested to see if it was actually true. Paul did this by characterising the interaction between oestradiol, an oestrogen, and its action on the

release of luteinising hormone (LH) from the pituitary gland in female possums. As well as this, he showed that although possums are highly sensitive to the regulatory influence of oestradiol, there are marked seasonal changes in reproductive control that are independent of the effects of oestrogens. These findings have contributed to the ongoing work in New Zealand towards the development of fertility control methods for possums.

Paul came to Lincoln after completing a Master of Science degree in zoology at Auckland University.

He currently has a managerial position in the works and services sector of a major hospital system in New South Wales, based in Sydney, Australia.

Wen-Hsi Hsu, *in Accounting*

Wen-Hsi (Lydia) came to Lincoln University from Taiwan in 1994 and completed a Master of Commerce and Management with First Class Honours in Accounting in 1997 before enrolling for doctoral study. Since completing her thesis, Wen-Hsi has been teaching as an assistant professor at Hsing-Kuo University of Management in Taiwan.

In her thesis Lydia examined the disclosure level of prospective financial information in prospectuses of New Zealand companies making initial public offerings between 1987 and 2001.

By using the Financial Reporting Standard No. 29 as a benchmark, her study established an objective measure of the disclosure of prospective financial information. Using this

measure, she explored the relationship between levels of disclosure of prospective financial information and their possible determinants. Furthermore, by integrating the areas of voluntary disclosure, forecast accuracy and bias, her study provided useful insight into a previously unexplored area.

The findings of the study have implications for the further improvement of the disclosure of prospective financial information in initial public offering prospectuses.

Blas Lavandero Icaza, *in Ecology*

New Zealand farmers, especially, viticulturalists, are readily adopting the results from Blas Lavandero's PhD research.

His doctoral project involved adding flowers to broccoli fields in order to improve the biological control of pests by parasitic wasps.

Most crops are grown as monocultures but biological control works poorly in such environments because almost all natural enemies of insect pests need nectar for energy and protein to mature their eggs. By adding flowering plants such as alyssum, coriander, buckwheat or phacelia to cropping systems, the rates of biological control can be enhanced, and this reduces the need for pesticides.

Blas worked as a research assistant before coming from Chile to Lincoln University. He is now employed as a Postdoctoral Fellow by the Chilean Government in Talca, Chile, and is carrying out biological control research.

Xiangdong Li, in *Grapevine Physiology*

Research important to New Zealand's viticulture industry was undertaken by Harry Li for his doctoral thesis. Harry was a lecturer in fruit science in the Department of Plant Science, Agriculture College, Shanghai Jiaotong University, Peoples' Republic of China, before studying at Lincoln University.

Harry investigated the potassium nutrition of Pinot Noir grapevines (*Vitis vinifera L.*). With wine over-supplied throughout the world, wine quality becomes even more important. This has focussed attention on potassium because of its important role in determining wine quality. Both low and high levels of potassium affect vine growth and berry quality. In New Zealand the potassium status in vineyards varies greatly from over-supply to deficient levels. Harry tried to clarify how potassium levels affect berry quality, particularly berry sugar, potassium accumulation and berry composition.

He found that potassium influences vine vegetative growth more than berry growth and that berry sugar accumulation does not depend on berry potassium uptake. Vines with high potassium levels can have an increased potassium uptake by berries and high juice pH. This reduces berry quality through its effect on the winemaking process.

This has implications for the grape grower in that low potassium application may reduce vine growth and yield, but may improve wine quality. Approaches to reduce berry potassium uptake are very limited but Harry demonstrated that one way may be applying magnesium-based fertilisers to the vines on soils with high potassium levels to produce high quality wine.

Harry is looking forward to working as a viticulturist in New Zealand and contributing his knowledge to the New Zealand wine industry.

Mohd Salehuddin Mohd Zahari, in *Management*

Mohd Salehuddin Mohd Zahari (Deen's) research has provided an improved understanding of the factors influencing career commitment among hospitality students. For his PhD, Deen investigated a range of factors including family circumstances, location of upbringing, religion, ethnicity and sources of career advice along with aspects of prior work experience. Previous researchers investigating the low transference of hospitality graduates into the industry have largely overlooked these potentially crucial factors.

By carrying out the fieldwork in Malaysia, Deen was able to utilise the diversity of ethnic and religious aspects existing in that country. A number of differences were found to exist between students of different religions and ethnicities, places of up-bringing and family circumstances when they first enter tertiary education. However, by the end of their first year of study these distinctions have largely

disappeared. A number of differences between male and female students were found with regard to career aspirations thus reconfirming studies in other countries.

As a result of Deen's work, improved hospitality career advice can now be offered to Malaysian secondary students and their families. The findings also reaffirm the need to investigate ways to improve tertiary students' perceptions of the industry and so reduce the persistent phenomenon of declining career commitment.

From this work it is hoped to make progress on improving the retention of graduates within the industry with consequential benefits in both customer satisfaction and business performance along with more efficient use of educational resources.

Deen has returned to his position as a lecturer in the Faculty of Hotel and Tourism Management at MARA University of Technology, Malaysia.

Nicole Anne Murray, *in the Sociology of Work*

As a mature student, Nicky Murray combined part-time study with parenting, completing a BSocSc and an MSocSc(Hons) before commencing her doctoral study. For her research, Nicky examined skill formation in New Zealand and, in particular, how people are trained for the skilled trades via industry training or apprenticeships.

This research proved to be timely, as skill shortages began to impact on economic growth in New Zealand. As an under-researched area in New Zealand, Nicky's work provides a starting point for further research, both at the theoretical and practical level.

Her argument was that the problems (and solutions), relating to skill formation in New Zealand have mostly been articulated using the human capital approach. As a consequence, they have been understood largely in terms of supply-side factors, such as training schemes. The inadequacy of this approach is evident from weaknesses in the ability of either the

prescriptive apprenticeship system or voluntary industry training strategies to deliver an appropriately skilled workforce. She concluded that it is also important to examine the demand-side of skill formation – the wider influences that impact on employers' training decisions.

Nicky studied barriers to training and some of the constraints on the demand for skills before examining broader influences, such as the changing shape of the workforce, changes in work organisation, labour market regulation and wider economic factors which impact on training levels.

Nicky graduated as Senior Scholar with her bachelor's degree in 1999 and won a Bright Future Top Achiever Doctoral Scholarship in 2001 for her Ph.D.

Currently, Nicky works for the Canterbury Development Corporation as part of the Workforce Development team.

Manfred Joseph Oswald, *in Neuroscience*

Manfred Oswald met his New Zealand wife in Munich and then came to Lincoln to study soil science. During his studies he developed an interest in biochemistry, graduating with a Bachelor of Science with First Class Honours in biochemistry.

After time as a technician at Landcare Research, Manfred returned to Lincoln University to commence a PhD entitled "Neuropathogenesis in ovine neuronal ceroid lipofuscinoses."

This concerned the underlying mechanism of the development pathology and symptoms in an inherited neurological disease in sheep, studied because the same genes and processes are involved in a rare but fatal inherited brain disease in children, Batten disease.

Manfred's studies were of the highest quality and have advanced existing knowledge about

the disorder. He discovered that the beginnings of the disease process are very early, long before the development of symptoms and that activation of inflammation is involved. He also found evidence for nerve cells replacing themselves in the affected brain.

These studies open the door to possible therapies involving a combination of control of inflammation and gene or cell transplant into carefully selected areas of the brain. Future work will now define exactly what is required in the sheep and trial treatments in them will be planned.

Manfred is currently undertaking postdoctoral studies at the University of Western Australia, in neuroscience, and would like to return to an academic career in this field in New Zealand.

Marion Read, *in Landscape Architecture*

The Resource Management Act 1991 has made 'landscape' a highly politicised and, frequently, contentious topic in rural New Zealand. There are widely differing expectations within the community about how the qualities that make the New Zealand landscape so distinctive should be managed, and territorial local authorities frequently come under criticism for the way they have implemented the requirements of the Act.

Marion Read's PhD study investigated the process of landscape management on the Otago Peninsula. She adopted a theoretical approach drawn from the social sciences in which the emphasis is upon understanding how knowledge and ideas are expressed within different discourses, that is, different ways of talking and writing about the world.

Marion's research was based upon interviews and participant observation of a range of land

managers. She developed a sophisticated model to show how many of the political tensions over landscape emerge at points of conflict between different discourses- for example between the agricultural discourse and the picturesque discourse, each of which 'constructs' the value of bush remnants differently.

The contribution of Marion's thesis is both theoretical and practical. It helps understand the dynamics of conflict in rural resource management, and suggests strategies for resolving such conflict.

Marian came into BLA studies with a first degree in Social Anthropology and now with her Ph.D., she is hoping to do further academic study at the postdoctoral level.

Iete Rouata, *in Economics*

After completing his PhD Iete Rouata returned to his position as Director of Statistics, in charge of the national statistics office in Kiribati. He also serves on a number of different Government committees. His long term aspiration is to become a consultant on economic and statistical analysis in the Pacific region, providing technical advice to his Government and to other Pacific countries.

The topic of Iete's research was the empirical analysis of the different monetary transmission mechanisms. The main objective was to understand the precise ways in which money shocks affect real output. Despite the existence of several competing theories that try to link money to real output, there is still a significant knowledge gap of what goes on in the 'interim' period, i.e. the period after monetary policy has been implemented and the effect on real output is observed, the so-called 'economic black box'.

Fiscal policy is another important approach in manipulating the economy, however, it has been noted in the past that fiscal policy alone can have disastrous impacts on the economy. In particular, the high inflation rates in the past have forced policy makers to consider monetary policy as a useful tool in controlling high inflation. By understanding the mechanism in which monetary impulse affects real output, policy makers would be in a better position to stabilise the economy. Obviously a stable economy would be more beneficial to the populace than a volatile or unpredictable one.

The research is important because of the emphasis of governments these days on monetary policy as an important means of stabilising the economy.

Valerie Patricia Saxton, *in Viticulture and Ecology*

Bird damage to grapes is an ongoing cost to the wine industry, amounting to an estimated NZ\$70 million annually in bird control measures and lost grapes and wine. Valerie Saxton investigated bird damage to grapes in her PhD project entitled “Influence of ripening grape compounds on behavioural responses of birds.”

The research focussed on two bird species, blackbirds and silvereyes. By examining their behaviour with artificial grapes she established that they have very different preferences for grape colour, sugar levels, acid and tannin concentrations and, even, aromas, and that these differences are likely to have physiological and metabolic causes. The social behaviour of the two species is also very different, and is closely integrated with the physiological drivers of their feeding needs.

This knowledge helps to define the problem, showing that some birds need grapes at certain times of the year. Future funding would allow the determination of type of biocontrol that

might lead to satisfactory management of pest birds. Such biocontrol would reduce costs of netting and other control measures currently in use and lead to an integrated, ecological and environmentally sound bird management strategy. This could then be used with other crops to develop an ecosystem where birds do not conflict with humans and their economic needs.

Valerie completed a Postgraduate Diploma in Viticulture and Oenology, at Lincoln University, continued with a Masters degree and, subsequently, transferred to PhD study. Previously, she was a high school teacher and had worked 10 years in tourism, where her fluency in French, German and Japanese was put to use.

Currently, Valerie is involved in teaching viticulture at Lincoln University, and she hopes to continue research on birds in the human centred environment.

Alison Margaret Seyb, *in Plant Pathology*

Research into botrytis bunch rot, a damaging disease of grape crops, especially in New Zealand where the cool climate suits fungal pathogens, was the focus of Alison Seyb’s PhD thesis.

Control of this disease is of major concern to grape growers, who have traditionally relied on, not always effective, chemical fungicides. Alison investigated the sources of inoculum in vineyards, to improve understanding of the disease cycle and so allow development of more effective and sustainable disease control strategies. She investigated the potential of the overwintering vine litter and prunings to provide inoculum for development of the disease in the following season.

Alison found that most types of vine trash were able to harbour the pathogen and could generate the fungal spores during the following growing season. Furthermore, some types of trash, such as the bunch stems, could continue to produce spores right up until the following year’s harvest.

Leaf trash from trimming and leaf-plucking activities in the vineyard was able to support pathogen growth during the growing season, and generated the highest numbers of spores of any tissue. Alison’s subsequent research trials found that the spores could drift from the ground into the canopy causing increased disease levels.

This research work has provided important information for growers, and will allow better informed development of control strategies and fungicide spray schedules.

Alison completed an MScat Canterbury University before commencing her PhD studies, after gaining a Tertiary Industry Funding scholarship. Much of her research work was done in the commercial vineyards of Marlborough grape growers, to whom she and her supervision team are very grateful. She is currently a postdoctoral fellow at Cornell University, New York, USA.

Antonius Hug Snelder, *in Environmental Management*

The development of a usable product in the form of a classification of individual sections of New Zealand's entire river network, involving a Geographic Information System (GIS), has resulted from Ton Snelder's PhD studies. Prior to commencing his doctoral research at Lincoln University Ton worked as an environmental management consultant with NIWA in Christchurch.

Ton's research project involved the development and testing of an ecological classification of New Zealand's rivers. This classification can be mapped to show the distribution of different classes of rivers. The research tested how well the classification grouped rivers with similar ecological characteristics, such as aquatic insect communities. Ton also applied the classification on a regional scale to support water quality management.

The product is available as a GIS coverage through the Ministry for the Environment. The classification has value as a detailed inventory of river resources and a tool for planning and management associated with rivers.

The research culminated in a large-scale assessment of water quality in New Zealand rivers that drew on data collected by regional councils. The classification provided the spatial component to the analysis and allowed the extent of water quality issues to be appreciated and for spatial patterns in water quality to be mapped.

Ton is continuing to work in the area of large-scale environmental management and assessment, with emphasis on his particular skills in the spatial analysis of ecological patterns.

Wynand Schoombie Verwoerd, *in Systems Modelling and Simulation*

Already in possession of one doctorate, Wynand Verwoerd is a Senior Lecturer in Applied Mathematics at Lincoln University. For his second PhD, Wynand developed mathematical models to understand how pollutants get dispersed in a porous media such as underground aquifers.

His world-class research provides fundamental insights into how the fluctuations of velocity produce intrinsically random effects in a porous medium. Wynand developed the mathematics to understand the mechanisms of scale effects of dispersion, a phenomenon that has not been understood since it was first observed in 1970s.

His research is based on theories of stochastic differential equations, a difficult branch of mathematics that deals with random variations in natural phenomena.

This research is significant in understanding and quantifying dispersion of pollutants in underground aquifers. The results will be used in developing large-scale models of pollutant transport.

Obtaining his first PhD from Rand Afrikaans University, Johannesburg, Wynand was a professor of physics at the University of South Africa, Pretoria from 1980-1997. He had a distinguished career in theoretical physics before migrating to New Zealand.

Wynand expects to continue the pursuit of excellence in academia.

Sonia Anne Whiteman, in *Plant Pathology*

A recently identified disease affecting grapevines that is commonly called “black goo” was the focus of Sonia Whiteman’s PhD research. Petri disease (“black goo”) causes poor growth and decline in young grapevines both in New Zealand and overseas.

This disease was identified only a short time before Sonia began her research as being caused by *Phaeoaniella chlamydospora*, a fungal pathogen that infects the internal tissues of grapevine trunks and stems. A typical symptom of this disease is seen in recently bisected trunks, where a black, tarry substance oozes from the cut surface. In such a relatively new disease, there were many questions to answer and Sonia’s work focused on one that was very important to grapegrowers: its origin in young vines. Identification of sources of the pathogen within grapevine nurseries and, therefore, potential routes of infection allowed the development of a range of recommendations for the industry designed to reduce the impact of this disease in new plantings.

Sonia began her tertiary studies at Lincoln University, where she completed a Bachelor of Horticultural Science with First Class Honours in 1996. She then spent three years as a research associate in the HortResearch, Plant Pathology Group, in Auckland working on a range of crop/pathogen systems.

Currently, Sonia is working for the Environmental Risk Management Authority as an applications advisor in the New Organisms Group.

Scholarship Awards - 2004

(The awards listed are for the initial year of tenure)

UNDERGRADUATE SCHOLARSHIPS

Bank of New Zealand Undergraduate Scholarship

Cecelia E. B. Baines

Canterbury Bright Start Scholarships

Melissa A. Melville
Shonagh E. van Dyk

Canterbury Cricket Scholarships

Keryn R. Ambler
Andrew C. Bailey
James P.R. Baxendale
Carl Frauenstein
Andrew Fullerton-Smith
Tessa L. Hickson
Sam E. Mandeno
Benjamin C. Stevens
Richard W. Wylie
Adam K. Young
Fiona L. Shanhun (Postgraduate)

Canterbury Golf Scholarships

Richard J. Bath
May C. Chang

Canterbury Hockey Scholarships

Haeleigh M. Albon
Charlotte V. J. Burt
Ian G. Calder
Christopher G. Greenshields
Geoffrey T. England
Kate M. Kieranowski
Jenna M. Mackintosh
Brendon J. Malcolm
Amanda J. Murray
Andrew Q. Nation
Jason R. Niles

Canterbury Netball Scholarships

Sarah E. Aubrey
Amy K. Brazier
Tania M. Gibson
Karli Hopkins
Amy L. Horrell
Laura-Daisy Jones
Rebecca J. McNamee
Kate A. Patchett
Nicola A. van Beek
Michelle J. Hall (Postgraduate)

Canterbury Rugby Scholarships

Steven K. Alfeld
Benjamin M. Allen
Phillipa K. Aubrey
Stephen A. Brett
Alistair R. Brownlee
James M. Christie
Joseph J. Eastgate
Kane G. Finnie
Glen D. Gregory
Daniel R. Hodgson
Michael A. Hope
Benjamin R. Inder
Glenn M. Jones
Benjamin G. Jones
Glenn M. Jones
Daniel P. Keenan
Nicholas D. Kerr
Nicholas P. McCashin
Wallace M. N. Milne
Ben C. Nowell
Frazer P. E. Peacocke
Simon B. M. Pearce
Andrew R. Reid
Paul D. Scannell
Thomas S. Simpson
James S. Stevenson
Karl V. C. Turijens
Saleimoa. C. Vaai
Sean P. Wilkins

Christchurch City David Close Awards

Kylie M. Smith

Freemasons University Scholarships

Cecelia E. B. Baines

HP Scholarship Awards for Excellence in Software Engineering

Wendy J. Spray

William Hudson Scholarship

Peter W. Hendle

Inclusive Education Undergraduate Award

Leslie Gray

Kitchener Memorial Scholarship

Robert D. Reynolds

Lincoln University Alumni Association Bursaries

Jodi E. Archbold
Stuart P. Bayliss
Elizabeth O. J. Farthing
Michael W. Lindsay
Christina J. Painting
Hugh W. J. Signal
Riley T. Wilson

Lincoln University Entrance Scholarships

Nicola M. Bourke
Ross K. Bowmar
Amy K. Brazier
Samuel J. Bryan
Nicola K. Copeland
George A. Gibb
Jennifer M. Lloyd
John R. McGlashen
Robert D. Reynolds
Brigid Spittal-Williams
Frances C. Sterwart
Andrew J. Wells
William T. B. White

Lincoln University Excellence Scholarships

Ashley B. Smail
Scott R. Tomlinson
Lisa M. Williams

Lincoln University Future Leaders Scholarships

Jeremy D. Ross
Josephine E. Powell Thomas
Natalie M. Gabites
Edward N. Tapp
Daniel I. Thorne
Natalie C. Gibson

Lincoln University Suffrage Centennial Undergraduate Scholarship

Sharon L. Forbes

William S. MacGibbon Scholarship

Mark C. Wells

McEwings Mountain Sports Macpac Wilderness Equipment Research Prizes in Recreation Management

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| Year 1 | Nicholas P. Mead |
| Year 2 | Samuel Bamford |
| Year 3 | Erin F. Smith |

Meat New Zealand Agribusiness Scholarship

Andrew G. Hunt

New Zealand Dairy Industry Undergraduate Scholarship

Laura E. Buckthought
William. J. Grayling
Bradley S. Lewis
Athol G. New
Matthew G. Rice
Edward N. Tapp
Scott R. Tomlinson
John J. Assen
Kara J. Bolton
Thomas O. Broughton
Georgina Mackie
Sam J. Williams
Rupert M. L. Easton
Michael J. Lucey
John A. McPhail
Rhys F. Minchin
Jane K. Murray
Alexandra O'Connell
Rowan P. O'Connor
Stephen J. Pagan
Brendan D. Richards
Jared E. Ross
Beau J. Shield
Nathan J. Smith
Samuel M. Spencer-Bower
Christopher R. Stacey
Miriam S. Taylor
Scott Townshend
Mark C. Wells
John C. White

The Salvation Army Edmund Sanderson Jeff Farm Scholarship

Leon J. Bleakley
Peter B. Bousfield
Ross K. Bowmar
James M. Christie
James P. Davidson
Olivia Gunn
Bevan E. Harris
Nicholas J. Harrison
Michael W. Henderson
Stephen D. Hednerson
Deborah A. Heine
Jonathan Janssen
Nicholas W. Johns
Christina H. King
Thomas A. Lee

John-Mark J. Lietze
Matthew R. Luke
Catherine J. Lyall
Sarah L. McBeth
Jane E. McCormick
Robert J. Miller
Phillip G. Murdoch
Dean A. Rabbidge
Simon G. Rabbidge
Liam C. Summers
Anna L. Vaughan

Sir Arthur Sims Scholarships

Geoffrey T. England
George A. Gibb
Thomas S. Simpson
Hugh M. Copland
Joseph J. Eastgate
Finn A. Macdonald

JMH Tripp Agricultural Scholarship

Jamie Ward

Gladys Grace Vale Bursary

Peter W. Hendle

Wrightson Scholarships

Rupert M.L. Easton
Craig A. Robertson
Hayden R. Peter
Matthew P. Ward

Wrightson Agmardt Young Farmer Contest Scholarships for Excellence

Richard Dekker
James L. Greer

POSTGRADUATE SCHOLARSHIPS

Syd Bodmin Scholarship

David P. Monks

Canterbury Growers Society Scholarship

Dharmadasa Madurappulige

Commonwealth Scholarship

Sky Davies

Freemasons Postgraduate Scholarship

Euan S. Kennedy

Sir Charles Hilgendorf Memorial Postgraduate Research Scholarship

Andrew W. Greer

Lady Isaac Scholarship International Scholarship

Charlotte J. Fletcher
Mariam S. Taylor

Lincoln University Doctoral Scholarships

Md S. Karim
Visit Limsombunchai
Robert L. Palmer
Harpinder Singh
Zhi Xie

Lincoln University Graduate Scholarships

Jonathan A. Burke
Melony J. Clark
Michelle J. Hall
Edward J. S. Hearnshaw
Sukhbir Kaur
Wendy J. Spray

Lincoln University Senior Scholarships

Sharon L. Forbes
Jefferson R. T. Hidayat
Brendan D. Richards
Joanna K. Whitehead

William Machin Doctoral Scholarships for Excellence

Salah-Eddin A. Arai
Alison R. Comrie

LW McCaskill Scholarship

Helen Greenep

McEwings Mountain Sports Macpac Wilderness Equipment Research Scholarship in Recreation Management

Anne K. Buchmann

Sarita McClure Scholarship

Tracy-Anne Cross

MacMillan Brown Agricultural Research Scholarships

Stephanie Lamotte



A C Rayner Memorial Scholarship

Yi-Yun Liu

Heaton Rhodes Scholarship

Kate Hayward

Inclusive Education Postgraduate Award

Amy Woodyard

Struthers Scholarship

Andrew W. Greer

**Turners and Growers Postgraduate
Research Scholarship**

Conrad R. F. Leeks

**Gordon Williams Postgraduate Scholarship
in Ecological Sciences**

Hazel A. W. Gatehouse

Euan S. Kennedy



Matson & Co's Challenge Cup

Pax C. Leetch

**NZ Institute of Agricultural Science and NZ
Institute of Horticultural Science Prize**

David P. Monks

**NZ Federation of Graduate Women
(Inc)Canterbury Branch Trust Board Prize**

Sharon L. Forbes

NZ Society of Animal Production Prize

Sam J. Williams

**NZ Institute of Primary Industry
Management Prize**

Brendan D. Richards

**NZ Property Institute Student of the Year
Prize**

Stephen A. Collie

W O Rennie Memorial Prize

Georgina MacKie

Bruce Robson Memorial Prize

Tao Zhai

Sir Ronald Trotter Medal

Catherine J. Lyall

University Gold Medals

Agriculture Pax C. Leetch
Horticulture Judith S. Hyndman

Waihora Prize

Duncan Harvest

Leonard White Memorial Cup

James B. Roy

Richard Willemse Memorial Prize

Sean D. Clayton

Sir James G Wilson Prize

Georgina MacKie

Jason Winter Memorial Prize

Ilse M. Erasmus

George F Wright Cup

Josephine M. E. Newman

Zymus International Ltd/Maurivin Prize

Sharon L. Forbes





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Te Whare Wānaka o Aoraki