

MASSEY

The magazine for alumni and friends of Massey University • Issue 21 • November 2006



A FISHY STORY

Ben Galbraith, illustrator



farmers' markets
astrophysics
sports cars



Massey University
www.massey.ac.nz

Among the various 'firsts' people remember, one common to most university lecturers will be the first time they stepped up to the other side of the lectern, looked out across the expectant faces of their students, took an apprehensive breath, and uttered the first sentence of their first lecture. I certainly recall this event at the Melbourne College of Advanced Education when I faced a group of several hundred first-year biology students. At least it was also a first for them – their first university lecture – and we both survived.

Back when I delivered my first lecture there was little instruction available to us about how to teach. Our appointments affirmed that we understood our disciplines and we had, it was supposed, spent enough time in the classroom before inspiring teachers to know how good teaching was effected and, equally, enough time with indifferent or sometimes legendarily bad teachers to know how it was not.

Did we all decode what it takes to become a good teacher? With this informal apprenticeship there were no guarantees. The process was haphazard.

Even today, when you think about it, there is something odd about the fact that we require a university graduate to sign up for a year-long teacher's training course before we allow him or her to teach at a secondary school, whereas – except as required by the individual university – a lecturer can take up employment with little formal instruction in the business of teaching.¹

How do we ensure that New Zealand tertiary students enjoy



the best possible standard of teaching? By helping teachers teach as they would wish to: to the best of their abilities.

This year the Tertiary Education Commission has funded New Zealand's first National Centre for Tertiary Teaching Excellence. The \$20 million initiative, announced by Minister of Tertiary Education Dr Michael Cullen in August, is being run by a consortium of providers led by Massey. The other providers are AUT University, the University of Canterbury, the Christchurch College of Education, UCOL and Manukau Institute of Technology. The centre will be based on the Massey campus at Wellington with

regional hubs in Auckland, Christchurch and Palmerston North.

It will disseminate the latest research findings and best practice in the area of tertiary teaching and learning as well as commissioning research itself.

Will it create uniformly good teachers? No, the best teachers have something that lies beyond diligently acquired, judiciously applied technique. The teachers I most remember from my own days as a student I remember for their personal qualities – they were the ones who set out to challenge, to provoke, and to instil in their students the lifelong love of learning they so evidently had.

On the other hand, while there is no standard template for a good teacher, there are a host of ways to enable us to hone our teaching skills. Hence the Centre for Tertiary Teaching Excellence, an initiative to be welcomed.

1. At Massey, new academic staff who lack tertiary teaching experience are expected to complete a teaching skills training program: The Teaching and Learning Certificate.

Professor Judith Kinnear
Vice-Chancellor



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1. Kingsley Baird stands alongside his work *The Cloak of Peace - Te Korowai Rangimarie* which is a gift to Nagasaki from the New Zealand Government and the Cities of Christchurch, Auckland, Wellington, Napier and Waitakere. At press, Mr Baird, who is perhaps best known for designing the Tomb of the Unknown Warrior in Wellington, will be in Nagasaki to oversee the installation of the memorial. Coverage will feature in the next issue.

2. Three-time Olympic gold medal winner and internationally regarded scientist Associate Professor Peter Snell is a Massey University Foundation Fellow in Health and Exercise Science in association with Telecom. Texas-based Dr Snell will next be visiting New Zealand in May 2007.

3. *The Love of Icarus* by School of Design graduate Rodney Leong has won the 2006 Supreme World of Wearable Art Award. The work, which is made from 20,664 plastic collar stays, was inspired by the quote "On certain night, when there is a full moon and the stars lay cast out, a shadowy figure can be seen floating within the moon". Mr Leong holds a Diploma in Textile Design and a Diploma in Fashion Design and Technology. In 2003 he was hand picked by international designer and judge Trelise Cooper after she saw his work in the WOW Awards. His prize includes \$10,000 cash, \$10,000 of travel and a trophy. Mr Leong was the runner-up in 2005.

Painting by Numbers

Accounting is something that people do, and understanding accounting helps to understand people in their social context, writes Professor Paul Dunmore

THOUGHTS

This is an edited version of Professor Dunmore's inaugural lecture, delivered 26 July 2006

In July, Auckland International Airport Ltd announced that its assets had been revalued as at 30 June 2006. This more than doubled the reported value of the assets and the owners' investment. Nothing changed on the ground; only the description changed.

Auckland Airport's profit has been close to 8 percent of assets for several years. To preserve that reasonable return on a more-than-doubled investment, Auckland Airport must more than double its profits in future. If expenses stay the same, revenues must increase by two-thirds to achieve that. Airlines fear¹ that Auckland Airport will use this accounting change as an excuse to justify higher charges.

Auckland Airport can increase its charges because of its near-monopoly power; other airports in a weaker position would find it harder to increase their charges whether their assets are revalued or not. But the airport's accounting choice provides a story to justify the increase. It would be hard for the Commerce Commission to insist that the airport's shareholders should not receive an 8 percent return on their investment when they could get 7 percent from a bank deposit.

New Zealand accounting standards encourage, but do not require, organisations to revalue their assets. Revaluation is most commonly used by public sector bodies such as universities, and by infrastructure companies with a near-monopoly position. Companies in highly competitive markets do not revalue their assets because they cannot raise prices, so revaluing would simply reduce their reported profitability. In non-competitive markets, however, revaluation provides an argument to raise prices.² Because people regard accounting as arcane and unchallengeable, such decisions tend to pre-empt effective debate about prices.

Many people find this astonishing and vaguely corrupt. Surely accounting is a practical, rule-based profession, focused on trustworthy recording of facts? The reality is far more interesting: accounting is something that people do, and understanding accounting helps to understand people in their social context.

People employ accountants because what accountants do is useful, providing information for accountability, for economic decision-making, and for sharing resources.

Over time, practices have evolved that have been found useful for these purposes. Various principles and concepts have then been inferred from these practices. However, the principles are justified only because they lead to useful practices. Regulators ignore



Professor Paul V Dunmore, Research Professor of Accounting, Wellington.

the principles when they get in the way: for example, when the International Accounting Standards Board decided that they did not want internally-generated brand names to be recorded as assets, they simply changed the definition of assets to achieve this.

Undergraduate accounting education focuses on learning to do all this well: graduates should be able to use well-established techniques, to understand applicable standards, and to be familiar with the underlying theories, all backed with the beginnings of sound judgement. Academic research, however, contributes little to improvement of accounting practice; at most, academics research and disseminate information on approaches that have been developed by practitioners.³

Practical accounting procedures have sometimes had extraordinary intellectual power, by the way. Both the idea of writing and the idea of pure number ("three" as distinct from "three sheep") emerged from accounting techniques in Mesopotamia around 3500BC.⁴ And the debit and credit convention of bookkeeping, which was clearly in wide use when Pacioli described it in 1494, provided a way of working with negative numbers centuries before mathematicians accepted the idea that numbers could be less than nothing.

The profession of accounting thus resembles other useful professions such as engineering. But engineering must cope with an unforgiving physical world: if a bridge is not strong enough, it will fall down. If Auckland Airport's profit is wrong by \$10 million, however, it is unlikely that anyone will ever find out. Indeed, there is no "real" profit figure against which the reported number can be tested.

So accounting is less like engineering than it is like the arts of biography or portraiture. It is not just that there is room for judgement and

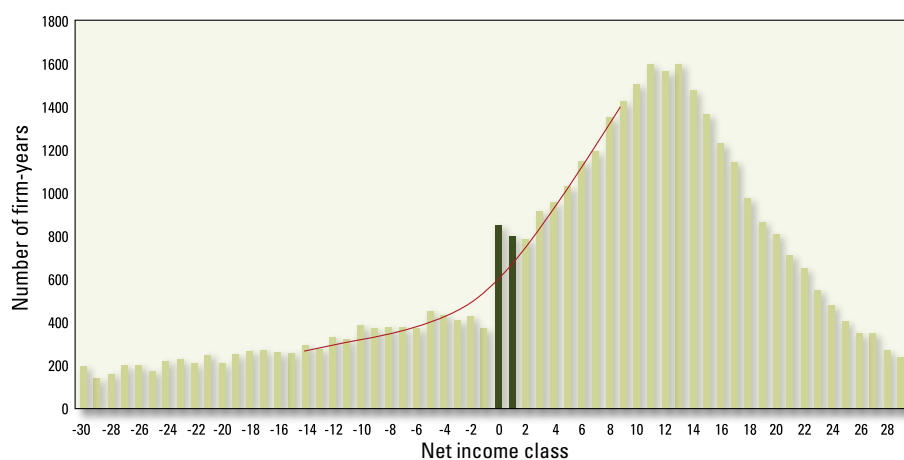
interpretation: they are essential features of the activity. The cash which Auckland Airport holds is objectively measurable, but very little else in the accounts is. Some part of the value of the buildings and equipment was used up in the year's activities, for example, but nobody can know how much because nobody can yet know how long those assets will actually last. Different reasonable estimates lead to different reasonable figures for the firm's profit.

The decisions needed to prepare the financial statements begin with what facts are correct, of course; but beyond that, what judgements must be made, what should be emphasised, what downplayed, and what omitted? Broadly, what artistic conventions should be followed? Good accountants make a serious effort to produce an honest portrait ("a true and fair view" in the legal phrase). But there is no single correct portrait.

The accounting portrait concentrates on resources and the use made of them during a period. Auckland Airport's balance sheet lists the resources controlled at 30 June, and the claims on those resources by creditors and by owners. The income statement shows the resources generated and used by the company during the year ending on that date. The firm generated more resources (by providing valuable services to its customers) than it consumed (in employees' time, in the consumption of services of its buildings and runways, and so forth). The difference is the profit (EBIT) of the enterprise, the increase in wealth of society resulting from the airport's operations. In the most recent financial year that was \$201 million, which was divided between the lenders, Inland Revenue, and the shareholders. The net social benefit of Auckland Airport's activities is even greater than this, because many customers would have been willing to pay more, and many suppliers and employees willing to accept less, than the actual transaction prices.

But much is missing from the portrait. First, there is nothing about risk. What risks Auckland Airport bears, what have been offloaded on to others, and how these changed during the year are all unmeasured. Further, there is no mention of the externalities of the operations, such as noise pollution, greenhouse gas emissions, and road traffic directed through city neighbourhoods. These costs do not fall on Auckland Airport, or they would be recorded in its accounts, but fall on society more generally.

So we cannot be sure that Auckland Airport's activities actually produced \$201 million of net social benefits. But there are no good practices for dealing with these



The distribution of net income scaled by market value (tails truncated).

problems. Accountants fall back on writing pages of descriptive notes, but that is only a clumsy second-best.

Another important problem is that the portrait is painted by the management of the company itself. A major theme of accounting research over the past few decades has been to understand the effects of the self-interest of various parties in both biasing the self-portrait and in misusing the results.

For example, there is evidence that managers try to ensure that their firm will meet profit targets (at a minimum, will avoid reporting losses). The picture above⁵ suggests that firms are less likely than one would expect to report small losses, and more likely to report small profits. Perhaps managers tend to airbrush the portrait or even take actions that may cause real damage to the firm, such as delaying maintenance, advertising, staff training, or research, to ensure that the reported profit will look good.

But perhaps the most interesting function of accounting is its role in creating the social relationships in which we live. *Homo sapiens* evolved in society: our ancestors were social before they were human. But the emergence of large social structures required people to interact with each other by conceptualising relationships with their social institutions, not just with each other.

To put this simply, Massey University exists because we all agree to act as though it does. Students turn up to courses expecting that lecturers whom they have not met will come to teach them, and will be competent to do so. Lecturers turn up to teach expecting that some payroll administrator will ensure they get paid. We speak of Massey University as though it were real; and legally, it exists because an Act of Parliament says it does. But at bottom it is individuals that interact

with each other, often without knowing each other; their shared idea of Massey University mediates that interaction.

Accounting plays an essential role in making this possible. Partly it coordinates the actions of many individuals so that they can work together for a common goal. But beyond that, accounting systems structure organisations in particular ways by making us think about them in particular ways.

An early example is the development of the concept of a business enterprise itself.⁶ One cannot create an enterprise distinct from the family until one can conceive of such a thing. The double-entry bookkeeping system was developed among the merchant families of the early Renaissance, originally as a technology for checking clerical accuracy. Fundamental to the system was the balance sheet, listing the resources and the claims on the resources. For these to be equal, one of the claims had to be the owners' equity in the business.

This technology led the merchants to think about the enterprise as a thing which the family owned, rather than as an activity of the family, and then to think of the enterprise as having its own financial status and prospects, as being something which one could invest in, could lend to, or could buy. Without the accounting system, that idea might never have emerged.

Today, if one wishes to create a company, one of the few formal requirements of the Companies Act is to keep proper accounts. Before forming the company, decisions are needed on the accountability relationships: who are to be the owners, and who shall be directors to run the company on behalf of its owners and account to them for what has been done. These decisions can be postponed when creating an informal club or unincorporated business, but they must be resolved before the club grows to the size where its members can no longer

interact informally. Any large organisation needs an accountability system, which can be implemented only through some system of accounting.

The more recent emergence of large-scale capital markets has given accounting new kinds of reality-creating roles, such as the rating of companies' ability to pay their debts. Major banks now use accounting-based models to rate their borrowers: a firm scored as being too risky will not be extended further credit, which itself is likely to cause it to collapse. So an accounting portrait showing that a firm is in difficulty is likely to precipitate that difficulty by affecting the behaviour of lenders.

And so we come back to Auckland Airport, and the portrait which creates an argument for raising prices. Accounting is a sophisticated social invention, used in sophisticated ways. It is an agent of cooperation, of conflict, and of creativity. As a practical technology, it aims for a fair but not unique portrait of an organisation, unit, or activity. Inevitably, the portrait is rough and ready – it is painting by numbers, not by Vermeer. Precisely because the portrait is not unique, there are opportunities for people to present it or to use it in ways that benefit them, by creating a particular reality to which others in society respond. Research into this seemingly uncomplicated technology leads to some remarkably interesting insights into how humans organise themselves in a complex society.

¹ Hembry, O. (2006). Airport boost stirs fears of higher charges. *New Zealand Herald* (July 25).

² A rough calculation suggests that about \$2.5 million of Massey University's reported expenses comprise the depreciation of revalued fixed assets. (For some other universities, the figure is much greater.) To achieve a given surplus target, Massey must raise an extra \$2.5 million of annual revenue to offset this voluntary expense. Historically, universities justified fee increases by the need to cover their expenses; although domestic fees are now capped, the same arguments are used to lobby for increased Government funding.

³ Two significant exceptions are the invention of dollar-unit sampling techniques to assist auditors, and the invention of bankruptcy prediction models. But such exceptions are rare, and even in these cases practitioners had begun developing the techniques that academic researchers perfected.

⁴ Schmandt-Besserat, D. (1986). An ancient token system: The precursor to numerals and writing. *Archaeology* 39: 32-39. A step along the way to writing was the storage of clay tokens inside baked clay envelopes, on which impressions were made to indicate what tokens were inside. I confidently expect that archaeologists will eventually discover an envelope bearing impressions of ten tokens, but with only five tokens inside: the first accounting fraud.

⁵ Dechow, P.M., Richardson, S.A., & Tuna, I. (2003). Why Are Earnings Kinky? An Examination of the Earnings Management Explanation. *Review of Accounting Studies* 8: 355-384.

⁶ Rosenberg, N. & Birdzell, L.E. (1986) *How the West grew rich: the economic transformation of the industrial world*. NY: Basic Books.

Editor's note: Within the constraints of the space available, MASSEY welcomes letters from readers. Email the editor at m.wood@massey.ac.nz.



The election of Hamas

Following publication of the April issue of MASSEY, two of our readers, Rodney Brooks and Tim Goodman, wrote thoughtful letters questioning Dr Nigel Parsons's views on the election of Hamas. I had intended to publish these together with Dr Parsons's replies, but events have moved on in the Middle East to the point that it no longer seems productive to do so.

Songlines

Thank you to those of our readers who wrote in about bellbirds or who contacted Associate Professor Dianne Brunton. In particular, thank you to Hugh Kellarex who has written to MASSEY about the role of native birds in insect control and my apologies for lacking the space to print it here.

Tomtits on Tiritiri Matangi Island

In the article 'Songlines' about the status of the New Zealand bellbird, it was briefly stated that the tomtits translocated to Tiritiri Matangi Island had flown back to the mainland. Barbara Hughes, of the Supporters of Tiritiri Matangi, who led the translocation team has written to correct me. (References such as "RM-GM" refer to banding colours.)

Along with robin, kokako, fernbird and tuatara introductions since the takahe introduction to Tiritiri Matangi Island, North Island tomtits were introduced in April 2004.

Only one bird known as 'Mr RG', RM-GM, was found to have flown back to the Hunuas. All of the translocated tomtit territories in the Hunuas have been searched on a number of visits over the past two years to ensure that further translocated birds have not returned to their original territories.

Occasional sightings of banded tomtits have been made on Tiritiri Matangi since the translocation. This year there have been a number of sightings including the following.

4 January: A female tomtit is observed on the Wattle Track.

20 January: At the corner of Ridge and Emergency Landing Tracks a family was observed of four tomtits with the male having bands.

5 March: A guide with a guiding group heard a single sharp call and observed a male tomtit with bands that identified the bird to be 'Vic' (RM-YB).

7 March: A guide identified a female tomtit with a band in Bush 1.

21 April: A male bird was observed by a guide in the Wattle Track near the Blackmores seat.

11 May: A male bird was observed near the middle trough on the Wattle Track.

19 May: a tomtit call was heard near the wharf dam by an SoTM committee member.

These sightings and evidence of calls indicate that banded tomtits from the 2004 translocation are on Tiri and may be breeding.

MASSEY and readability

I very much enjoy your publication, but I have one 'gripe', and that is with the presentation.

I recently attended a contact course where I noted that six of the attendees were over 70 and only two were under forty; put in percentage terms 30 percent were over 70 and 90 percent were over 40. If 90 percent of your readers are over 40 – which I think is probably the case – then a large majority of your readers will suffer from some form or visual impairment that will need correction by spectacles, and this brings me to my argument.

The major problems that affect people with low vision impairment are three when it comes to reading: contrast, print size and glare. In some sections of the most recent MASSEY you fail abysmally on all three counts. Let us take your article 'Leaving the Beat'; I, who have a minor visual impairment (+1 correction), could not actually see the questions on the first page, so the article made no sense. Why? Because for some aesthetic reason you chose monochromatic blue for both the background and print. Add to this the glare of the glossy paper and print so small I required a magnifier, and there is a chance that you have denied a large number of your readers the pleasure of reading this article. Shame on you!

I'm looking forward to your next improved edition.

— Adrian Pole

I agree with you that in retrospect the design treatment given to the interview with Rob Robinson was inappropriate, and as someone who himself fits within the spectacle-wearing 40-plus demographic, I ought to have known better. Shame indeed.

On the issue of font size, again, I agree, although clearly there is a compromise between readability and my desire – which I am sure you will understand – to shoehorn as much content as I can into these pages. Look for changes in the April 2007 issue.

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Te Kunanga
ki Pūrehuroa

NO, REALLY, BE HONEST...

What do you think of Massey - the university and the eponymous magazine? What is the magazine doing well? What are we doing poorly? How do you view the University?

Visit masseynews.massey.ac.nz and fill in the online questionnaire by Friday 8 December 2006 to be in the draw for a \$100 book voucher.



Consortium wins contract for new tertiary teaching centre

New Zealand's first Centre for Tertiary Teaching Excellence is to be set up at Massey as part of a \$20 million government initiative to boost the quality of teaching in all branches of the post-school education sector.

A Massey-led consortium won the contract to establish the centre and run it for five years.

The consortium includes AUT University, the University of Canterbury, Christchurch College of Education, the Universal College of Learning, and Manukau Institute of Technology. It was selected ahead of a consortium led by Victoria University.

The centre will focus on supporting the development of teaching expertise across the



UCOL CEO Paul McElroy with Massey's Gordon Suddaby and Professor Tom Prebble.

tertiary sector. Based at Massey's Wellington campus, it will have regional hubs in Auckland, Christchurch and Palmerston North.

Disaster research centre established

A new research centre established by the University and GNS Science aims to better prepare New Zealand to cope with natural disasters.

Based at the School of Psychology on the Wellington campus, the joint Centre for Disaster Research concentrates the skills of psychologists, sociologists, planners, geologists, risk assessors, Māori researchers, and economists from both organisations.

Research, Science and Technology Minister Steve Maharey, GNS Science chairman Con Anastasiou, Vice-Chancellor Professor Judith Kinnear and GNS Science chief executive Dr Alex Malahoff.



Massey Research Medalists

Early Career



Dr Sarah Ross
modern English literature

Early Career



Dr Barbara Holland
evolutionary genetics

Individual Researcher



Professor David Lambert
evolutionary genetics

Supervisor



Dr Robyn Munford
social policy and social work

Research Team



Centre for Public Health Research
public health research

Marsden Funding



Professor Peter Schwerdtfeger from the Institute of Fundamental Sciences has won Marsden funding of \$290,000 a year for three years. He will be using quantum mechanics to calculate the miniscule energy differences between different mirror-image asymmetric molecules.

Five other Massey researchers received Marsden grants in this year's funding round, and five researchers were given Fast Start Funding.

What is mirror asymmetry? Think of a left-handed and a right-handed glove. No matter how you twist and turn it, a left-handed glove can never be superimposed over its right-handed counterpart. This handedness has practical consequences. Different enantiomers of the same molecule may smell or taste quite different or have different pharmaceutical



effects. Most of life's molecular constituents exhibit handedness. Life as we know it is built around left-handed amino acids and right-handed simple sugars.

The Marsden and Fast Start funds are administered by the Royal Society of New Zealand.

The Marsden grant recipients for 2006 are Dr Leon Huynen, Professor Schwerdtfeger, Dr Jan Schmid together with Dr Barbara Holland, Dr Adriane Rini, Professor Ian Evans and Dr Evelyn Sattler.

The Fast Start grant recipients for 2006 are Dr Patrick Dulin, Dr Armaz Aschrafi, Dr Shane Telfer, Dr Sarah Ross and Dr Nikki Hesell.

For links through to Massey's latest research magazine (downloadable as a PDF) visit research.massey.ac.nz

Manawatu Microscopy and Imaging Centre

Massey's Palmerston North campus is in the process of setting up a new \$1.5 million Manawatu Microscopy and Imaging Centre. The facility will be available for staff and students at Massey, neighbouring CRIs, and other research institutes and hospitals in the greater Manawatu region.

The centre will be based around two new state-of-the-art machines: a confocal microscope, which allows precisely focused 3D images of structures such as chromosomes; and an environmental scanning electron microscope (ESEM), which allows detailed examination of non-treated, live tissue. The centre will also include new computer-based imaging equipment, and will house a transmission electron microscope (TEM), which is currently located at HortResearch.

The initiative is funded by a grant from the Tertiary Education Commission's Innovation Development Fund.



Professor Yusuf Chisti stands alongside two newly commissioned bioreactors. The bioreactors and their PC2-level containment facility complement recently-acquired equipment for recovering biological products. Professor Chisti is researching the use of biocatalysts – biotech microorganisms, animal and plant cells, enzymes, and subcellular components – to produce novel bioactive substances, vaccines, potential therapeutics, diagnostic antibodies and other high-value products.

\$1 million grant for liquor advertising research

A three-year study to assess the impact of alcohol advertising on young New Zealanders is about to get under way, following a grant of just over \$1 million from the Health Research Council to the University's Centre for Social and Health Outcomes Research and Evaluation.

The study will involve 2000 teenagers from the Auckland region, and will include European, Māori, Asian and Pacific Island pupils from city and country secondary schools.

The centre's quantitative team leader, Taisia Huckle, says the longitudinal study will focus on 13-year-olds and follow their development through to age 15.

The impact of alcohol advertising will be measured alongside other factors such as peer group pressure, parental influence, availability of alcohol and socioeconomic influences.

Centre researchers will also talk to alcohol marketing and advertising representatives for an up-to-date appraisal of market approaches and attitudes.



Simply the Best

A solar-powered electric fence and an electronic medication dispensing system are among a slew of winning entries from Massey staff and students in the annual Design Institute "Best" awards.

The 2006 Best Product Design Award in the student category was won by 2005 graduate John Lee, for an electronic medication dispensing unit (pictured top right) designed to reduce medication errors. In the Open category, a solar panel electric-fence charger designed by Professor Tony Parker and produced for Gallagher Animal Management Systems (pictured at right) was judged best product in the non-consumer section. In the Exhibition section, design lecturers Matthijs Siljee and Hanne van Beek won the award for "Words and Images from the Netherlands", mounted in the Great Hall of the University's Wellington campus last year using five-metre-high stacks of industrial pallets.

In the Student category, interior design student Gareth Rutherford won the spatial section for a proposed Māori cultural centre on Wellington's waterfront, and in the Industrial Design section three students were highly commended: Samari Brownie, for his "Diverge" audio-visual composer, a new concept in playing and experiencing electronic music; Jake Woodward for his "Cool-fan" firefighter's breathing apparatus; and David Gatfield for a quick release backpack design. Ryan Overeem was highly commended in the Website and Interactive Media section, while Ange Luke was highly commended in both the Graphic and the Self Promotion sections.

The Best awards have been an annual event for the past decade. This year there were 535 entries in four sections.



EXPOSURE '06 See the best work of graduating design and fine arts students at Exposure 2006, from 10–19 November in Wellington and 14–15 November in Auckland.

Visit <http://exposure.massey.ac.nz> for details and previews.

Her family members were not going to miss seeing Peggy Chiu get her PhD at the April graduation on the Auckland campus, so they flew in from Hong Kong, Vancouver and Toronto for the occasion. Dr Chiu is the youngest of eight children born in Hong Kong, all of whom are pictured here, as well as a niece, a nephew, and – rather obscured by family members – her husband, New Zealander Roger Smith. Mr Smith has a masterate in anthropology from Massey and is now studying history. The couple have a lifestyle block in Northland and commute to an apartment in Albany to focus on their academic life. "We have the best of both worlds," Dr Chiu says. Her PhD in management investigated how the personal values of small shareholders influence their investment decisions.



Business student remembered with award

Aviation student James Catty has a very good reason to remember a Massey business studies student who died almost 20 years ago.

Craig Merryweather was murdered while hitchhiking in the South Island in 1987. His body was found two years later in bush near the Lindis Pass. His three killers were jailed for life.

Craig's parents, Beth and David Merryweather, decided to use the life insurance money paid out after his death to establish a scholarship for a student at the then newly established Massey University School of Aviation.

"Craig loved flying passionately," says Mr Merryweather. "He had flown solo at the Walsh Memorial Flying School in Matamata and talked about it constantly. We have a feeling that once Massey had established an aviation school, he would have switched from studying business to studying aviation.

"We also didn't want the money – it was blood money. We felt we would rather it was used constructively to help a young student succeed in an aviation career."

James Catty was awarded the Craig Merryweather Memorial Scholarship at the school's Wings graduation ceremony at the Palmerston North campus. The Wings ceremony acknowledges a landmark point in study towards a Bachelor of Aviation, including the achievement of a commercial pilots' licence.

Mr and Mrs Merryweather live in Auckland. This is the first time since the scholarship was established that they have come to Palmerston North to award the scholarship and meet the successful recipient.

The ceremony was attended by Air Commodore Stuart McIntyre RNZAF (Ret'd) who had close associations with the School of Aviation and helped establish the Craig Merryweather scholarship. Air Commodore McIntyre was awarded an Honorary Doctorate by the University in 2000.



At the J40 journalism reunion. From top: Kelly Burns and Dan Burns, current students at the School of Journalism, help Chris Cole-Catley (who headed the school from 1968 to 1972) cut the cake; Sean Plunket '83 and Mark Sainsbury '83; Geoffrey Baylis, a former editor of the *Dominion* and the *Listener* and the recipient of an honorary doctorate; Paul Cutler '69; Noel Harrison, founding head of the Journalism School, with Chris Cole-Catley.

Flair for colour earns trip to Belfast



Textile design student Amy Van Luijk won a trip to Belfast in October for the finals of the "Colour in Design" competition run by the International Society of Dyers and Colourists.

The competition, sponsored by department store chain Marks and Spencers carries a first prize of £1000 and attracted nearly 400 student entries from 10 countries.

Ms Van Luijk, 20, is one of six finalists and the only one from outside Britain.

The brief simply asked that students produce work that uses colour creatively, imaginatively and originally to produce a distinctive piece of work.

Ms Van Luijk says her entry – four samples of textiles for upholstery or soft furnishings – was inspired by Wellington's city lights.

She is in the second year of a Bachelor of Design, majoring in textile design, and thrilled to be a finalist in the international competition.

"It's an amazing opportunity, and I'm working hard to get my course work done before October."

She created her designs while studying the dyeing and colouration paper taught by textile lecturer Penni Wakelin, who says Ms Van Luijk has a natural flair for colour.

Five judges interviewed Ms Van Luijk by phone. The winner was to be announced on 13 October at the Society's Colour Conference, held in Belfast this year.

The Society of Dyers and Colourists is an international professional society specialising in colour in all its manifestations. Founded in 1884, it aims to advance the science of colour in the broadest sense.



After life-saving surgery, three days in intensive care, and a convalescence that included a visit from the Deputy Prime Minister, stabbed police dog Edge is back at home in Hawke's Bay with his handler Constable Dave Whyte.

On the morning of 6 June 26-month-old German Shepherd was flown to Massey's veterinary teaching hospital from Hastings after being stabbed twice in the chest by a man police confronted on a farm at Maraekakaho, Hawke's Bay. One stab wound missed Edge's heart by millimetres, the other pierced his liver. "It was really looking grim for a while, and I didn't think he was going to make it, especially as at the scene of the attack he was totally unresponsive and bleeding profusely," Constable Whyte said.

During his time at the hospital, Edge enjoyed many visits from veterinary students, and a special visit from Deputy Prime Minister Michael Cullen.

On the occasion of Edge's final check up, Eastern District commander Superintendent Grant Nicholls presented veterinary surgeon Associate Professor Barbara Kirby with a certificate and his heartfelt thanks.



At the New Zealand Wildlife Health Centre a native short-tailed bat from a population on Kapiti Island undergoes an examination by veterinarians to determine the cause of severe dermatitis that has damaged its ears. The species is rare and found only in New Zealand. The condition is serious because it interferes with the bats ability to echolocate.



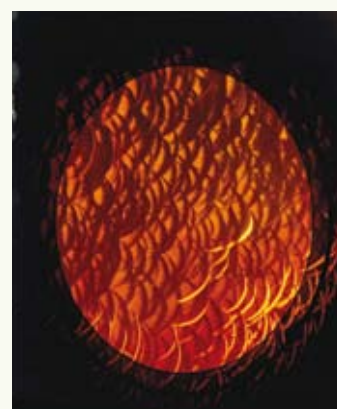
Top women designers celebrated

Graphic designer Sarah Jackson is the supreme winner of this year's Zonta Design Awards. The award was bestowed by Governor-General Dame Silvia Cartwright. Ms Jackson, who is now working for Clemenger Design, described herself as being on cloud nine.

Sarah Peters of the Zonta International Club of Wellington says Zonta, a women's service organisation, established the awards in partnership with the University and five leading businesses to recognise the top women graduates in their field of design, to promote design as a career for young women, and to acknowledge the status of women already in the design field.

The five design category winners for this year were: Emma Boyd, Industrial Design, sponsored by Weta Workshop; Sally Ford, Photographic Design, sponsored by Imagelab; Briar Hickling, Interior Design, sponsored by Limited Editions; Sarah Jackson, Graphic Design, sponsored by Clemenger Design; Emily Miller-Sharma, Fashion and Textile Design, sponsored by Rembrandt Suits.

Ms Jackson received \$5000 while the winners in four other design fields received \$1000.



Norwegian art award for master's student

Master's student Israel Birch, Ngā Puhī, is the joint winner of the two-dimensional category of the 2006 Norwegian Art Awards.

His two-metre by two-metre winning artwork, *The Golden Oriori*, is a tribute to his baby daughter Cyan Waipuri-Birch. Centred on the canvas, the glowing sphere of fiery red and orange ink is heavily layered and lacquered and text is embedded between layers. Mr Birch is inspired by the spiritual and scientific elements of sound and music, and this latest piece is shaped round an oriori – a lullaby.

In his final year of the Māori Visual Arts Master's programme under the leadership of Professor Robert Jahnke, Mr Birch has developed and fine-tuned a distinctive style of ink and lacquer painting on stainless steel in the past two years.

He has begun work on convex steel canvases, in an exploration of the three-dimensional, and will take his final Master's show to his hometown for an exhibition at the Hawke's Bay Museum in October.

He is the joint winner alongside Richard Lewer. The two artists share the major prize of \$20,000.



Clothing from the *Waste Not, Want Not* collection by design graduates Kate Hastilow and Renaya Lloyd. The two fashion designers were the only New Zealand designers accepted into the New and Emerging category shown at the Fashion Exposed show in Melbourne in September.

Ms Hastilow is currently studying towards her Master's degree, while Ms Lloyd works as a design assistant at a major clothing company.

"Our label is called Everyone We Know, because our clothes are for people we know – our mums, aunts and friends," says Ms Hastilow. "We want to produce a high-end street label that is wearable, beautiful, quirky and affordable."

The pair is also making ranges of T-shirts and jewellery, and has signed up five stockists in the South Island and one in Wellington.

Ms Hastilow says they plan to launch a new collection at New Zealand Fashion Week in 2007.

MacDiarmid Young Scientist of the Year awards

Damien Fleetwood, winner of the Adding Value to Nature category. A PhD student in the Institute of Molecular BioSciences (Palmerston North), Mr Fleetwood is based at crown research institute AgResearch.

Mr Fleetwood is exploring how fungi and grass combine to poison grazing animals. It focuses on the interaction between grass and a fungus it hosts (the *Epichloë* endophyte) in a relationship Mr Fleetwood describes as a double-edged sword.

"Grass infected with the endophyte is protected from many insect pests but at the same time many strains produce toxic chemicals, including one called ergovaline, that are designed to stop the grass being eaten because they are toxic to grazing stock," he says.

Animals that eat endophyte-infected grass producing ergovaline suffer effects ranging from poor weight gain to gangrene and death, at a potential cost of millions of dollars to the agricultural industries each year.



Mr Fleetwood's work has helped identify a cluster of six genes that are responsible for producing the toxic chemical ergovaline and built up new knowledge about how they work and when the genes are switched on and off.

"Ultimately this will help us maximise the good agricultural effects of endophytes and minimise the bad ones," he says.

Hayley Lawrence, commended in the Understanding Planet Earth category.

A PhD student in the Allan Wilson Centre for Molecular Ecology and Evolution at the Auckland campus, Ms Lawrence is developing techniques to help locate the burrows of the Chatham Island taiko, one of the world's most endangered seabirds.

It is estimated that there are between 120 and 140 birds remaining, with only 14 breeding pairs on the Chatham Islands.

Ms Lawrence's research on the behaviour and interactions of the rare bird in the wild involves the use of taiko (magenta petrel) blood samples that will provide genetic identification for each bird.

These genetic identifiers will help researchers track birds to the family nest in underground burrows. When nests are found, improved trapping and poisoning of predators can be carried out to protect the critically endangered species.

A predator proof fence has already been built around an area on the Chatham Islands to create a safe breeding ground for taiko.

Ms Lawrence says she hopes her project will also improve conservation efforts to establish a new colony. Her research is supported by the Department of Conservation.



The biochemistry behind Tb

The latest breakthrough in the fight against tuberculosis (Tb) has come from PhD student Celia Webby (pictured). Working in the Institute of Fundamental Sciences, Ms Webby has solved the atomic structure of an enzyme that the Tb bacterium needs to survive. This may pave the way for new antibiotics to fight the disease.

Ms Webby is under the supervision of Associate Professor Emily Parker and Professor Ted Baker, director of the Centre for Molecular Biodiscovery at the University of Auckland. The centre has several projects under way to determine the protein structure of the Tb bacterium, *Mycobacterium tuberculosis*, but researchers were having difficulty characterising the particular bacterial enzyme known as DAH7PS.

Design Junction project wins TEC funding

A research project that will build the design capability of small firms in Wellington has been awarded \$383,470.

Associate Professor Claire Massey, Director of the SME Research Centre, says the project will develop a new approach to fostering links between organisations that have design knowledge and expertise.

It will include those involved in economic development, business development, training and education of the owners of small firms, and design experts.

The project team includes Dr Martin Perry from the College of Business, and from the College of Creative Arts, Dr Anders Warell, Amanda Bill, and Professor Duncan Joiner. Also involved are Charles Finny, Wellington Regional Chamber of Commerce; Batch Hales, NZIM; and Paul Mather, WelTec. Design Junction is one of 12 projects funded from the Tertiary Education Commission's Growth and Innovation Pilot Initiative. This funding promotes the sharing of knowledge and expertise between the education and industry sectors.

Rising house costs leads to more renters

Surveys by the University's Real Estate Analysis Unit appear to confirm a growing shift from home ownership to rental accommodation.

The residential rental market quarterly survey for June 2006 shows an increasing rental population, based on tenancy bonds recorded by the Department of Building and Housing.

Year to year figures show that the numbers of tenancy bonds lodged with department have increased 50 percent since 1995 to more than 150,000 last year.

Professor Bob Hargreaves, who prepared the survey, says the results of the five-yearly Census, due out later this year, will provide the most reliable data on the percentage of households renting and those owning. He says an ongoing decline in home ownership is most likely to be revealed.

That decline is already showing up in statistics in the unit's rental market survey for the June quarter.

"In the absence of hard data from the Census,

there is a clear trend emerging in the bond centre data," Professor Hargreaves says.

"The statistics show rental tenancies increasing at a faster rate than the rate of growth in the population. From a policy perspective this trend, likely to be confirmed by the Census, has implications for home ownership."



Party pills survey fuels debate



Research on legal party pill use in New Zealand by the University's Centre for Social and Health Outcomes Research and Evaluation (SHORE) has been cited by both proponents and opponents of the pills to back their arguments.

Opponents want the pills either outlawed or their sales further restricted. Proponents argue the pills are a safer alternative to illicit drugs, such as speed and ecstasy.

The pills' main active ingredients are benzylpiperazine (BZP), which has an effect similar to amphetamine, and trifluorophenylmethylpiperazine (TFMPP), which has an effect similar to ecstasy.

Since June last year BZP has been classified as a class D drug under the Misuse of Drugs Act, restricting its sale to those 18 and older

and prohibiting advertising in mainstream news media of products containing it.

The pills have been sold under a variety of names for more than a decade but have become increasingly popular in the past six years.

The aims of the taxpayer-funded survey were to identify levels and patterns of use and demographics of users, their use of other drugs, any harm or problems associated with use, to gauge availability, and explore the role of party pills both as a possible gateway into illicit drug use and as a possible alternative to or gateway out of using illicit drugs.

A random survey of 2010 people aged 13 – 45 years was conducted in February and March this year.

It found that one in five had tried legal party pills and two in five (40 percent) of 18 to 29-year-olds. Men were more likely to have tried them than women (24 percent, compared with 17 percent) and Māori were more likely to have tried them than non-Māori (26 percent compared with 19 percent).

Study leader Dr Chris Wilkins says he is surprised at the number of people who have taken or are taking party pills. Based on previous research on amphetamine use, he expected a figure closer to 5 percent.

Of those who had ever taken party pills, 61 percent said they had stopped taking them in the past year, 8 percent said they were taking more pills than before, 15 percent said they were using fewer and 16 percent said they were taking the same quantities of pills in the past year as previously.

The full study can be found at the SHORE website: www.shore.ac.nz

More evidence that 'light' smokes fool the smoker



A new survey confirms that many smokers are fooling themselves about the benefits of so-called light cigarettes.

788 people from South Australia and New South Wales were interviewed by telephone.

The survey, conducted by Professor Janet Hoek from Massey and Associate Professor Rachel Kennedy and Jeremy Tustin from the University of South Australia, coincided with both countries' ratification of the World Health Organisation Framework Convention on Tobacco Control, which calls on signatories to review the descriptors used on cigarette packets.

In Australia several tobacco companies have voluntarily undertaken to eliminate the use of the words "light" and "mild" on cigarette packets. Australian regulators have argued that these words imply health benefits the products do not deliver, and so may mislead and deceive smokers.

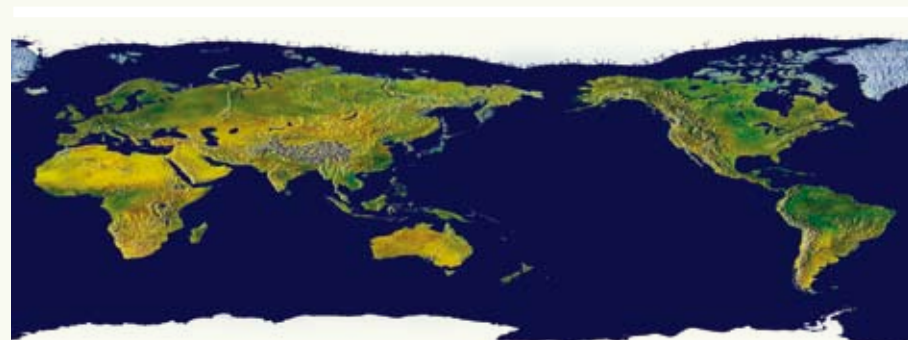
Professor Hoek says the new survey shows that a substantial proportion of respondents, both smokers and non-smokers, were confused about what the term "light" meant. However, smokers of light cigarettes were much more likely to associate incorrect attributes with them, including the delivery of less tar.

Professor Hoek says although the findings are preliminary, they have important policy implications. They highlight misconceptions among all groups, especially those at greatest risk of being harmed by confusion.

The report says the tobacco industry has indicated it intends to replace "light" and "mild" with terms such as "fresh", "fine" and "smooth".

Professor Hoek says there is an urgent need for more research, particularly into the attributes smokers might associate with these new terms. "There is little point in replacing one misleading term with another."

A paper outlining the research findings won a Best in Track award at the recent Australian and New Zealand Marketing Academy conference.



New Zealand families truly global

A new study reports that around one in five people living in New Zealand were not born here and around 20 percent of people born here are believed to be living overseas.

The study, *Families et Whānau sans Frontières – New Zealand and Trans-national Family Obligation*, was carried out by a team of Massey researchers, led by Dr Niel Lunt at the University's Albany-based School of Social and Cultural Studies. It was commissioned by the Families Commission Blue Skies Fund, which provides grants for innovative research on family issues.

The study shows how the ethnicity of New Zealand's population has changed over the years, with a growing number of migrants from Asia, the Middle East, sub Saharan Africa and more New Zealand-born people with a Pacific heritage. It is estimated that in a little over 15 years there will be a million people living in New Zealand who are of Pacific or Asian ethnicity.

Dr Lunt says there is a need for social policy to address the many issues faced by transnational families.

Download the report from <http://www.nzfamilies.org.nz>

Vietnam veterans may have incurred genetic damage

A significant difference between the DNA of veterans who served in Vietnam and those who did not has been found in a study by Massey molecular scientists.

The study was conducted by Master's student Louise Edwards under the supervision of Dr Al Rowland (pictured), and the results of a genetic analysis are now in the hands of the veterans.

Ms Edwards and Dr Rowland, from the Institute of Molecular BioSciences, studied the rate of "sister chromatid exchange" (SCE)¹ in peripheral blood lymphocyte cells. A comparatively higher level of sister chromatid exchange was seen in the servicemen who went to Vietnam.

Dr Rowland says the sample is statistically small; only 24 veterans and 23 controls. Nonetheless the results are highly significant and warrant further investigation. Control participants were also studied for comparison

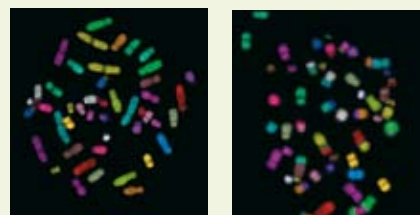
and were closely matched to the veterans in order to remove the input of possible confounding factors such as cigarette smoking and alcohol consumption, which may impact upon the interpretation of the results. The control subjects were all ex-military men of the same age and with a similar lifestyle, medical history and occupational history, but with one important difference – they did not serve in Vietnam. Selection of matched controls for comparison was a very important part of the study. A comparison of the SCE frequencies between the veterans and the controls showed a highly significant difference. Half of the veterans had a higher SCE frequency than the highest control. Taking the major confounding factors into account, the results would suggest that the veterans were most likely exposed to some harmful substance as a result of their service in Vietnam. This exposure could have the potential to cause genetic damage.



Dr Rowland's group is also studying New Zealand nuclear test veterans using a range of genetic tests. A study led by Dr Rowlands using SCE has found a small but significant level of genetic effects in the veterans.

1. The sister chromatid exchange (SCE) assay is a bioindicator test that analyses breakages in dividing chromosomes. The higher the SCE rate, the greater the risk of genetic damage, based on the premise that elevated SCE frequencies are known to be caused by clastogenic activity (a clastogen is any substance which is known to damage DNA).

Karyotypes of a dividing human peripheral blood lymphocyte labelled using the technique called mFISH (multicolour Fluorescent In Situ Hybridization). Each pair of chromosomes in the human genome is labelled with a specific coloured probe. The cell at top is normal and shows no aberrations. The cell below shows shifts of colours between different chromosomes. These shifts in genetic material between chromosomes are called translocations. They are an indication of genetic damage.



Veterinary software destined for the Swiss

A multi-million dollar animal management and biosecurity system developed by animal health researchers is being used by the Swiss federal government.

In its first phase of implementation, "Kodavet" software has been built specifically for the Swiss Federal Veterinary Office.

Professor Hugh Blair and Bill te Brake, from the Institute of Veterinary Animal and Biomedical Sciences, say the software is designed and developed to manage any type of animal activity. It can track the life of an animal from birth to death, including any treatments or diseases it had, movements from one farm to another, and movements from a farm to a meat-processing plant.

It also maps the outbreak of disease that may have occurred in the area it resided, and documentation of an animal's health including health certificates, movement certificates, treatment advice and final slaughter information can be retrieved and analysed.

The data being input into the Swiss Kodavet system comes from federal and

industrial Swiss databases and, in addition to the data outlined above, includes general information about processors, pet stores and other organisations and businesses who manage and handle animals.

Professor Blair and Mr te Brake say Kodavet may eventually incorporate existing software tools developed through the EpiCentre, which specialises in animal health and epidemiology under the direction of Professor Roger Morris. These tools include EpiMAN (used in the 2001 foot and mouth outbreak in Britain) and

Interspread Plus.

The second phase of Kodavet was due for completion in August of this year and will include geographic information systems, disease management systems, and incident management. Kodavet will be also used as a platform technology to develop a veterinary animal information management system called VeTech. With contributions from Pfizer and Veterinary Enterprises, VeTech will be marketed internationally at its completion in 2007.

It can track the life of an animal from birth

Prison literacy programme will connect families

Children will join their fathers in Wanganui Prison as part of a Massey family literacy and learning project. If successful, the project may be extended to other prisons throughout the country.

Adult literacy researcher Dr Franco Vaccarino, from the Department of Communication and Journalism, says children will visit the prison to spend one-on-one time reading books with their fathers.

"We are encouraging reading between parent and child. We want the father and child to bond through sharing books and other literacy activities."

Overseas research has shown that inmates who spend more time with their families have much better post-release success, he says.

"Children will spend quality time with the parent that they wouldn't normally get, and learn at the same time."

A family learning programme is currently being run at a local primary school, and a similar programme was due to start at the prison in September or October. The University's project team and the Corrections Department are working out a schedule for the visits.

Preschool diet of concern

Children as young as three are establishing bad eating habits that are likely to last for the rest of their lives, a study of preschoolers' eating habits suggests.

The same study shows boys are less likely to eat their vegetables than girls and that difference emerges in the very young, setting many children up for a lifetime battle with obesity and other diet-related health problems.

Academics from Massey, Auckland and Victoria universities have produced the longitudinal study, the first of its kind in New Zealand.

Dr Clare Wall, from the Institute of Food, Nutrition and Human Health, says the children, all aged three-and-a-half when the initial survey was done, will be followed through to adulthood by the researchers. Results of a survey of their eating habits as seven-year-olds will be available within a year.

The first study, published in the *New Zealand Medical Journal*, found preschoolers are being fed too many muesli bars, chips and soft drinks and not enough bread, fruit and vegetables.

Just over a quarter of the sample ate the recommended two or more servings of fruit a day, and only around half ate the recommended two or more servings of vegetables.

Only 7 percent ate enough breads, cereals, rice and pasta. Dr Wall says this is of concern because "these foods are high in energy and are a significant contributor of dietary folate and iron for children".

Twelve percent of the children ate treats



such as muesli bars and potato chips, which tend to be high in sugar and fat, three or more times daily.

On the brighter side, 88 percent ate meat, fish, eggs or chicken at least daily, with chicken the most frequently consumed, and 86 percent consumed dairy products or milk at least twice daily, in line with Health Ministry recommendations.

Nearly two-thirds of the children drank milk daily, a higher proportion than New Zealand school-aged children and consistent with other findings that milk consumption decreases with age.

Preschool boys were less likely to eat vegetables at recommended levels than girls and were also less likely to consume reduced-fat milk and low-fat milk. Dr Wall says these gender differences in dietary patterns are similar to those found in New Zealand adults.

The researchers described the results as a grim prognosis, given that existing research suggests a lifetime's eating habits are established in childhood.

Dr Wall also stresses that the 600 children studied were of a higher than average socioeconomic status.

"That means the results of the study are almost certainly conservative: the proportion of children in the general population eating fruit, vegetables, breads, and cereals at recommended levels is likely to be lower than reported in this study."

Working mothers frowned upon

Most New Zealanders approve of married women working full-time but that approval drops dramatically when women have children.

The New Zealand end of an international survey on men, women and work shows that attitudes to women and paid work depend critically on whether they have children and how old their children are.

Eighty-three percent of respondents approve of married women working full-time before they have children but only 2 percent approve of full-time work when women have children under school age.

Approval is higher (30 percent) for mothers of young children working part-time and increases to 14 percent for women working full-time after the youngest child starts school.

A substantial number – 40 percent – believe a preschool child is likely to suffer if the mother works and the same number believe family life suffers when a mother has a part-time job.

The survey, conducted by the Department of Marketing with lead researcher Professor Phil Gendall, traversed attitudes to job satisfaction, job security, working conditions and to men and women and work. It is part of the International Social Survey programme, which involves leading academics in 40 countries in annual surveys on economic and policy issues, in seven-year cycles.

Double standards for binge drinking

A study conducted by psychologist Dr Antonia Lyons, has confirmed the so-called "feminisation of binge drinking". Increasing numbers of women are drinking large quantities of alcohol in social situations.

The study also revealed that while men and women increasingly accept such behaviour among their friends, their attitude towards excessive drinking by strangers is nowhere near as tolerant and depends on whether the stranger is a man or a woman.

Both men and women tended to apply adjectives such as "disgusting", "embarrassing", and "slutty" to women who drank extravagantly. Publicly drunken men were more likely to be regarded by both sexes as amusing or "a joke".

Neither men nor women displayed these prejudices when judging their own friends. Heavy drinking was regarded as a pleasant and enjoyable leisure activity, with the only negative consequences being things like hangovers, reckless behaviour and the financial cost. The effect on personal health did not seem to be a significant concern.

Insulin resistance in Māori and Aborigines studied

A group of young Māori men have taken part in a Massey-led study aimed at understanding why it is that Māori appear to have predisposition for insulin resistance.

The research is a collaboration between Massey and Sydney University, where the School of Indigenous Health Studies is working with a group of young Aboriginal men in a parallel study.

Parts of the study were undertaken at Sydney's Faculty of Health Sciences, where a cohort of 24 fit young Māori men were tested for aerobic fitness and body composition.

The study is part of a joint initiative

between Massey's Research Centre for Māori Health and Development, Te Pūmanawa Hauora and the Institute of Food, Nutrition and Human Health in the College of Sciences.

Te Pūmanawa Hauora director Professor Chris Cunningham (Ngāti Raukawa, Toa Rangitira) says that like Australian Aborigines, Māori develop type-two diabetes at rates much higher than the Pākehā population.

The study participants had their muscle triglyceride levels measured using magnetic resonance spectroscopy at a radiology laboratory in Liverpool, Sydney.

Steady growth in value-added food exports

New research shows the proportion of value-added food and beverage exports has continued to rise steadily against commodity products, with the sector enjoying growth of nearly 10 percent in the past five years.

An ongoing study by the Institute of Food, Nutrition and Human Health for New Zealand Trade and Enterprise (NZTE) has found that earnings from value-added food and beverage exports grew to \$8.11 billion, or 54 percent of all food and food ingredient exports, for the year ended June 2004.

The earnings in 2004 increased from \$7.6 billion in 2003, a rise of 6.7 percent over the 12 months.

The study has been carried out annually since 2000, giving researchers the opportunity to directly compare results. Overall there has been a 53.6 percent increase in revenue from value-added products since 2000 and only a 5.3 percent rise in revenue from commodity exports in the same period.

The study uses a mix of export data, industry identification and financial analysis tools to define the dollar and percentage values of added-value and commodity food products in key export categories.

It breaks down value-added percentages in the main export categories of meat, dairy, fruit and vegetables, beverages, cereals, seafood and miscellaneous and found that the biggest increases in 2004 came from the dairy and meat sectors.

Export revenue earnings in the meat sector rose from \$4.30 billion in 2003 to \$4.7 billion in 2004, with value-added products accounting for well over half of the increase.

While revenue from dairy products fell overall in the year, the report indicates the sector actually increased exports of value-added products by 20 percent compared with 2003, a remarkable response in a trading climate where commodity revenue continued to decline.

Project manager Professor Ray Winger says the results are encouraging. "During the five years this study has been carried out, different sectors showed a range of value-added from 23 percent to 79 percent, indicating that the New Zealand food industry has a high level of value-added products.

"There is clearly a growing sophistication in product development and marketing innovation which is essential for long term sustainability and to deliver what markets and customers want."

NZTE Group General Manager - Food and Beverage, Rod MacKenzie, says having more than half of New Zealand's food and beverage exports coming from value-added foods is a sign that the industry is clearly focused on change.

"Increasing value-added exports is vital to meet the challenges the sector faces from fluctuating commodity prices and foreign exchange movements," he says.

Pats to plastic

It almost sounds too good to be true – turning cow pats into plastic. But the murky liquid in the flask Dr Steven Pratt holds could be the stuff of bioplastics: biodegradable plastics produced using renewable resources.

Bioplastics already exist, says Dr Pratt. In the United States, PLA (poly lactic acid) and PHA (poly hydroxyalkanoate) based plastics are being commercially produced using carbohydrates such as corn starch. But feedstocks like this – homogenous and highly refined – are only just becoming cost competitive with oil. How much better it would be if we could produce plastic from something that would cost us virtually nothing. Something, in fact, we want to get rid of: farming and other organic wastes.

A researcher in the Centre for Environmental Technology and Engineering, Dr Pratt says the potential for bioplastic production in New Zealand is huge. "The waste produced by our agricultural and pulp and paper industries is ideal, and there is so much of it."

Just as is done with cornstarch, Dr Pratt and his students will use controlled fermentation to produce organic acids that can be used in biopolymer production. The challenge is to produce a suitable and controlled mix of organic acids from the multifarious brew of substances in organic waste.

He says some acids are better than others for the production of bio-plastic. Acetic-acid-based plastic, for example, is brittle. Adding propionic acid produces more malleable polymer chains.

Part of Dr Pratt's project looks at controlling the fermentation procedure by adjusting factors such as pH so that only one kind of acid is produced. His team of postgraduate students is also focusing on 'transient stages' in the fermentation process.

A transient stage occurs when bacteria are shocked by the input of food (in this case, carbon-based effluent) or when conditions such as pH are altered. The micro-organisms react to these changes in interesting ways before evening

out and producing a consistent volume of mixed acids. Transient stages are imperfectly understood.

"In a transient stage one type of acid may be made in greater proportions, and other unknown or unexpected compounds can also be made. Sometimes the most interesting things are made when things go wrong."



Riddet Centre researcher Dr Jason Hindmarsh stands alongside an MRI machine which he and Institute of Fundamental Sciences researcher Robin Dykstra have re-commissioned. The machine will be used to track how the composition of a mix of milk and probiotic bacteria changes as it is dried and rehydrated.

The MRI machine gives spatial resolution. It shows how an object is physically distributed and, in the case of milk drying, the speeds at which the components of lactose, fats, and water are redistributed.

The project is a collaboration between the Institute, the Riddet Centre, the MacDiarmid Institute and Bruker New Zealand to make MRI micro-imaging available to researchers.



A Centre for Research in Analogue and Very Large-Scale Integration (VSLI) microsystem design has opened at the Auckland campus. It is headed by Dr Rezaul Hasan (pictured) and includes co-researchers Dr Tom Moir and Dr Fakhru Alam. Dr Hasan is currently designing a component for ultrawideband wireless communication, which he hopes will be patented for commercial use.

A FISHY STORY

Illustrator Ben Galbraith talks to Malcolm Wood



It is weekday afternoon when I call Ben Galbraith, and when he takes the call, the first-time children's author and illustrator has been communing with a computer, just like me. But Ben's hair, unlike mine, is stiff with salt; his clothes scratch against his skin; there is sand in his shoes. Working in his hometown of Gisborne as graphic designer and illustrator for a surfboard manufacturer, Ben often heads for the beach for his lunchbreak.

"If the surf is looking all right, the office can be pretty empty, because everyone is out on the water," says Galbraith.

As a student at Massey's Wellington campus he had quickly found himself surfing friends, but the best surf was a half-day's travel away on the Wairarapa coast. To once again have good surf at his doorstep is to be peculiarly blessed.

The sea is in his blood.

So it's no wonder that Galbraith chose a sea-related final-year project for his Bachelor of Design: an illustrated retelling of the *Three Billy Goats Gruff*, recast with three redneck fishing brothers as goat stand-ins, an environmental-enforcer minke whale in place of the troll, and a strong conservation message.

During his time at Massey, Galbraith had evolved a distinctive style of illustration, collaging traditional artistic media, such as drawing and painting, with scanned objects (notoriously, including dead fish) and making extensive use of computer manipulation. The effect is phantasmagoric, a little dark, dryly humorous, reminiscent of the work of Galbraith's favourite illustrator, American Lane Smith (whose best known work, *The True Story of The Three Little Pigs* by Alexander T. Wolf, depicts its protagonist as the sad victim of circumstance and media hype).

In his third year, as if in validation of his growing proficiency, the company Learning Media (see opposite page) chose his illustrations over others for an issue of the *School Journal*.

Mike McAuley, who coordinates the illustration component of the Bachelor of Design, remembers Galbraith exploring the options for his final year project during a research paper. "He was focused on various foreshore-related issues, such as pollution, and it at first looked like he would do a series of posters. I remember that we explored the idea of incorporating secondary narratives, and you will see that he's done this

in his book by incorporating speech bubbles in his illustrations."

From the moment he hit on the idea of a children's book, Galbraith knew he wanted it published. But the New Zealand children's book market is tiny, and Galbraith's design – which includes die-cut peepholes – would be expensive to print. Galbraith sent out a couple of feelers to New Zealand publishers, but was unsuccessful.

"But then I got really lucky," he says. Aaron McKirdy, a member of the art department children's division at Hodder UK, chanced on Ben's project at the end-of-year design exhibition (a must-see event) and contacted him. The process that would culminate in launch of *The Three Fishing Brothers Gruff* in May 2006 had begun.

With the launch, Galbraith stepped in to another set of responsibilities. Hodder flew him to Auckland (three times), Wellington and Christchurch for book launches and primary-school book readings. He discovered a certain giddy pleasure in the novelty of flights, corporate taxis and hotels, but the public speaking was a trial.



For more information

Illustration/visual narrative is offered as a specialist area in the Visual Communication major of the four-year Bachelor of Design degree. The curriculum includes the creation of believable characters, the use of metaphor and other conceptual strategies to convey concepts, and how to work using both traditional and digital drawing and painting methods. Those interested should contact

Mike McAuley

Subject director

Visual Narrative

Institute of Communication Design

College of Creative Arts

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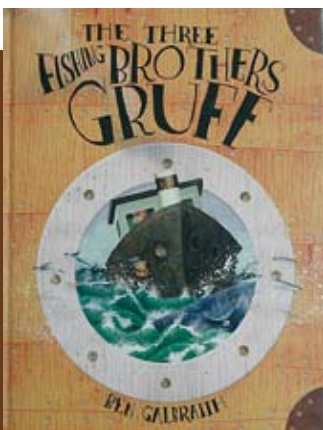
"It has been overwhelming to speak in front of the public. I get quite nervous. I had a television interview on *Good Morning*: it was only for two or three minutes, but that was pretty scary. The prerecorded radio interviews aren't so bad, because they can cut out my stuttering."

The Three Fishing Brothers Gruff also has a deeper personal significance to Galbraith: it is dedicated to his father who died of a heart attack while out surfing.

At the 2006 Best Design Awards, *The Three Fishing Brothers Gruff* received a highly commended award in the Editorial and Books category and an endorsement from the presenter, who declared it her favourite. More than 10,000 copies of the book were sold within three months of its launch. (When I spoke with him, Galbraith was keenly looking forward to the first of his royalty cheques.)

Will Galbraith be staying on in Gisborne? For the moment he declares himself to be happy with his choices. "I always knew I'd be coming back," he says.

"But it's a little bit quiet here over winter. A lot of my friends are now over in the UK, so I guess I will be heading that way some time."

**The Three Fishing Brothers Gruff**

by Ben Galbraith, Hodder Children's Books, ISBN: 0340893419 \$29.99.
Recommended for children ages five to eight.

Let me illustrate

There is a concluding question that is part of many a reporter's repertoire: what would you choose to be doing in some parallel universe? When I ask it of Penny Newman, a commissioning art editor at Learning Media, she looks momentarily nonplussed. Ever since her own childhood she has wanted to be a children's illustrator or be involved in children's books in some way;

there was never a fallback. "It's all I have ever wanted to do."

These days, when she is not commissioning illustration for the New Zealand market as part of her workaday life, she illustrates as much as possible. "If I don't do it, I miss it," she says.

Newman studied visual communications at the School of Design (then part of Wellington Polytechnic, now part of Massey University) back in the 1980s. On graduating, she first worked for children's publishers Price Milburn and then for the School Publications arm of the Department of Education. She has been there ever since – and seen the department transform into state-owned-enterprise Learning Media, a successful business with an international reputation for developing effective literacy materials..

During her years as a commissioning art editor, Newman has dealt with "a passing parade of fantastic people". The names are legion: "Murray Grimsdale, Caroline Campbell, Deirdre Gardiner, Robyn Belton, Bob Kerr, Christine Ross, Fraser Williamson..." says Newman without drawing breath. Many people that have illustrated for Learning Media, such as Dick Frizzell and Robyn Kahukiwa (and Massey's own Bob Jahnke) are also 'name' artists.

Each has their own style, but there is a certain hard-to-define New Zealand character to all of their work, says Newman. "I think we do have something distinctive in our work, and things like our landscape and the clarity of our light feed into it."

Has she noticed trends in New Zealand children's illustration? "I guess I have noticed some incorporation of styles that have started overseas," says Newman, mentioning the Japanese cartoon-style *manga* as an example. And there is the increasing prevalence of digital techniques.

What children's books would she buy if I sent her out with a limited budget? Strange I should ask. The other day she and some other art editors went looking for children's books to use as reference works. One of her choices was *Clubs: A Lolly Leopold Story*, written by Kate De Goldi and illustrated by Jacqui Colley. ("I bought it for a niece," Newman confesses.) The other was Ben Galbraith's *The Three Fishermen Gruff*. She is a fan: "Ben is a brilliant example of someone who is combining digital and traditional techniques to create a unique look."

From gate to plate

Exploring the farmers' market phenomenon By Di Billing

Hamish is a regular at the Feilding farmers' markets. A rookie chef, he cooks for a restaurant near Marton. He loves creating new food, likes talking to people and hopes to reach a bigger market with his homemade products. A selection of his pestos and tapenades is spread out in front of him, each in a different, minimalist container. A pile of chunks of chewy French-style bread from the stall next-door sits alongside open containers of pesto for sampling. We all dig in, watched anxiously by Hamish. "Good! Good!" we say with our mouths full, reaching for our wallets. In Feilding, the number of people gathered at the stall amounts to a crowd and this stuff may sell fast. "Tastes different!" declares a white-haired fellow whose wife says a month ago he wouldn't have known pesto if it leapt off a supermarket shelf and bit him. "Even better than last week's,"

he declares. "You noticed?" says Hamish. "This time I used pistachio in the pesto."

Something else is different this week and it isn't Hamish's baby sleeping under cover behind the stall: She's often there. This week the new product is chocolate cake, two dozen moist, miniature deep-brown cakes with soft buttery icing and a glazed nut on top, sitting in tiny paper cases, priced at one dollar each. We sample one then two, and it's the best chocolate cake we've ever tasted. We all decide to take the remainder home for our families but there's a problem. They obviously won't travel intact and Matthew hasn't brought containers. "It's on the agenda," he promises. "Come back next week."

Farmers' market and small business researcher Dr Alan Cameron has high hopes for Hamish. "He's able to learn on the job by selling at the

market. He's taking it slowly, isn't over-reaching with too many new products and he's focused on getting what he does produce absolutely right. He's there on the spot so he can listen to what the buyers want and adapt accordingly. He's learning how to be an entrepreneur."

Dr Alan Cameron, a Massey graduate who is now a senior lecturer in the Department of Management, started out specialising in research into small business entrepreneurship and has since become the New Zealand authority on farmers' markets. He thinks his appreciation probably began on a hitchhiking tour of Europe as a hungry and impoverished student in the '60s. He stopped at a market in France but could afford only some bread. The stallholder gave him a wedge of cheese to go with it. Now his office is papered with photographs of farmers' markets, taken in





New Zealand, and in Australia and Europe on overseas trips with his wife. The Feilding market is his local but the Edinburgh market is perhaps his favourite. There the stallholders dress the part: the butcher is in blue stripes, and live music is played. He expects New Zealand markets will eventually go the same way.

Dr Cameron says the farmers' market differs from the more common flea market. The definition of a farmers' market is one in which farmers, growers and producers from a local area are present in person to sell their own products directly to the public. All of the products sold should be grown, reared, caught, brewed, pickled, baked, smoked or processed by the stallholder. Less quantifiably, farmers' markets place an emphasis on quality and freshness and provide a vibrant atmosphere to make shopping a more social experience.

At a flea market the vendors are often itinerant, travelling in from other centres to sell jewellery, second hand and home made clothes, books, plants and food, usually more cheaper than you can buy them anywhere else. But Dr Cameron says at authentic farmers' markets, crafts are generally discouraged; they are thought to convey a tacky image.

The essence of a farmers' market, he says, is "buy local, eat seasonal, enjoy high quality food".

There are now 26 farmers' markets throughout New Zealand from Kerikeri to Dunedin, double the number that existed five years ago, in line with a world trend that is making a dent – but still only a very small one – into supermarkets' grip on the sale of fresh produce.

Dr Cameron says farmers' markets were once common in New Zealand, as well as in Europe and the United States, but were largely driven out by supermarkets, with France, Italy and Spain as notable exceptions.

Why, then, this resurgence? Clearly one element is nostalgia, but there are a host of others. There is the influence of television chefs like Rick Stein and Peta Mathias and their emphasis on fresh, seasonal ingredients. There is the rise of regional cuisines. There is the growing interest in fresh, unadulterated produce, in organics, and in sustainable



agriculture. There is the farmers' market as an adjunct to regional tourism. There is the sterile, plastic experience of supermarket shopping itself, as well as resistance to the supermarket duopoly prevailing in New Zealand.

"Supermarkets threaten to engulf other forms of retailing by combining the scale of the market with the convenience of the shop, but in recent years there has been a quiet counter-revolution. One of the driving forces is the increasing demand for better food and information about that food, by increasingly discerning consumers."

There are economic reasons too: the consumer's desire to cut out the middleman and buy directly from the grower and the farmer's desire to realise a greater margin than the supermarkets will allow.

Every market has its own history, says Dr Cameron. "The Whangarei market was started by two growers who considered they could get better prices than they were receiving from supermarkets. The Hawke's Bay market started as part of a strong initiative by an entrepreneur to maximise the food and wine potential of the region. The Feilding market was part of a wider strategy to revitalise a struggling town. The Bay of Islands market was initiated by

a food writer who had moved into a growing affluent town and had seen the benefits of markets elsewhere. The Marlborough market was started by a chef concerned about the dominance of vine cultivation in the area."

His research has also provided a closer fix on the customers. Dr Cameron says in general they are motivated by price or value for money although most are seeking quality, with price as a secondary issue. Variety is important.

"Customers seek out specialist products such as organic products, as well as rare heritage and heirloom varieties. They also appreciate having another shopping option, with the opportunity to discuss products, particularly food, face-to-face with the producer. They enjoy the sense of community that a market provides. They also rate the opportunity to contribute to the local economy."

He is interested in the issue of price for both buyers and sellers. "People will pay a bit more at a farmers' market for a good product. It isn't a gamble because they've had a chance to sample it so they know it's good, unlike a supermarket tomato with its looks enhanced by water spray, special lights and so on. Or a cheese, wrapped in plastic. Hamish's tapenade, for example, may eventually cost a bit more than a supermarket dip but customers say that it tastes much better – and it gives them something different to talk about at the dinner table."

Correspondingly, price is an issue for the seller. "Selling to the big chains, their margins were increasingly squeezed. They sell less produce at the farmers' markets but they are often able to sell it for slightly higher prices."

There is also the impact on the local economy. A study commissioned by the Otago Market Trust estimated that at least \$750,000 was spent in the market's first six months of operation. "This figure was multiplied by three to give an aggregate impact on Otago of \$2.25 million. Because the sources of the materials are local there is less leakage and the multiplier is larger than might otherwise be expected. So they end up making a larger profit, which helps them survive in an increasingly competitive market."



Dr Cameron says the Otago figures are consistent with other estimates of the amount of money generated by markets that stays in the local economy. Few vendors – only 12 per cent of those questioned in his studies – rely on farmers' markets as their only distribution outlet and source of income. But fewer and fewer small growers are selling to supermarkets because of difficulty in meeting price and supply requirements.

"Some growers say they wouldn't have survived without the markets. One used to get \$3 a kg for his produce from the supermarket, which then sold it for \$9 a kilo. He now sells it for \$6 a kilo at the farmers' market – a win-win for producer and customer."

How have the supermarket chains reacted to all of this? Badly, in some cases. Dr Cameron and research colleagues at Otago University found claims and fears of blacklisting by supermarkets of producers who sell in the farmers' markets, which they note would probably be in breach of the Commerce Act.

The release of Dr Cameron's research coincided with the opening of the vast new Sylvia Park shopping mall in Auckland, accompanied by traffic jams and incidents of road rage. At press, the latest farmers' market to open is in Porirua, outside Wellington, run by Wellington specialists in quality, artisan foods, Moore Wilsons. Artist Dick Frizzell has painted a mural for the market and it is expected that sellers of fine meat will eventually sport blue striped aprons. Live music is on the agenda.

The Moore Wilsons' philosophy is in line with Alan Cameron's. They want to provide an alternative outlet for their best suppliers, an incubator for future suppliers and, in general, to support the provision of good food.

In August Alan Cameron was a speaker at the inaugural Farmers' Market New Zealand Association conference in Havelock North and in August he spoke at the Horticulture New Zealand conference in Auckland. Next year he will take up a position as visiting research fellow at Glasgow University's Centre for Business History. He says it seems that in Europe and the United Kingdom, as in New Zealand, as supermarkets grow, there is a parallel growth in the demand for traditional, outdoor shopping, and an appetite for information on the phenomenon.

More malls to come

If nostalgia for more traditional shopping styles like farmers' markets is driven by the growth in supermarkets and malls, the demand for both is set to grow, according to retail researcher Associate Professor Andrew Parsons. If anything, he says New Zealand is still "under-malled" for its population.

Dr Parsons, from the University's Department of Commerce, says New Zealand is likely to follow trends in the United States and Britain, with the creation of even bigger malls attached to big box complexes, with more interactivity and entertainment, and add-ons such as gymnasiums, swimming pools – and even schools.

"Malls have developed as large, covered shopping areas that seem to provide people with a pleasant, safe environment – away from pollution, politics and the weather. But the catch is that such an environment can be seen as very sterile and lacking in excitement. In most cases you can stand in a mall and not know where you are – you could be anywhere in New Zealand or anywhere in the world, for that matter. It's all the same. Hence the growing demand for the more personal experience of visiting a farmers' market"

He says developers are aware that some consumers are turning back to these "warmer" shopping experiences and are moving to counter this.

Dr Parsons says there are different motives for shopping: You need to buy something, you want to browse and keep up with the latest trends, or you just want to get out of the house and get some exercise. "Then there is the social reason, the opportunity to meet other people and to exchange ideas with your peer groups."

"Increasingly, people live by themselves and work in an office space by themselves. They regard going to a mall as one of the few ways available to interact with other people, to sit and socialise. Mall developers are tapping into this with tailored additional facilities, like cafes, that prolong time spent in the mall.

Retailers also have to find ways to beat off growing competition from on-line shopping. "In a large mall you might visit seven or eight dress shops and compare clothes and prices. But the Internet allows you effectively to do the same and make even wider comparisons."

He predicts mall owners and developers will attempt to meet the Internet challenge by creating unique, interactive experiences for shoppers. "This trend started back in the late 1980s, when malls suddenly started sprouting trees and then gathered momentum. The food courts, the attached movie complexes, the special shows staged for children in the holidays – they're all part of extending the allure and attraction of a mall, and the time people spend in them."

Dr Parsons says retailers will be encouraged to let people try out products in context. "Nike Town in the United States, for example, has full-sized basketball courts in its shops, so that customers can put on the clothes and the shoes and then have a go on the court before they decide to buy them. Some golf shops already have mini driving ranges in store. At the moment malls don't like shops that sell musical instruments because they make too much noise as customers try out the products. But imagine how vibrant a mall would be if such experiences were encouraged."

He says in the future malls may even have schools attached. "There are already crèches for the children of both staff and customers. Why not schools? And why stop there? At the University of Alberta, where I worked for a time, the business school was attached to a vast mall which contained levels of shops, theatres, swimming pools, gymnasiums and restaurants as well as student and staff apartments."

Dr Parsons says new developments like the Sylvia Park mega mall in Auckland may seem big and modern, "but we're only scratching the surface of what's to come".



While teaching English in Japan, Dana Batho is extending her horizons by studying extramurally. She talks to Stephanie Gray.

Before her telephone interview with MASSEY Dana Batho closes the sliding doors in her apartment against the overriding roar of bullet trains coming in and out of Nagoya station.

The passenger service stops at midnight and from there the freight trains take over. It's a ceaseless soundtrack of life in Japan for Dana, a Canadian-Kiwi extramural student.

Being near the station allows Dana a comparatively quick commute to the private company where she teaches English to students of all ages.

Born in Wellington, Dana emigrated to British Columbia with her family at the age of two. At 19, she returned to New Zealand for nine years before moving to the Canadian province of Alberta, home of the Rocky Mountains. Dana says her comparatively complicated reply to the question of her 'hometown' often baffles the Japanese enquirer.

"It's still common for people to be born, live, get married and die in the same town here, and to stick with the same company in their working life. My experiences are, quite literally, foreign to them."

Dana came to Japan three years ago, with a basic grasp of conversational Japanese, and two niggling student loans. The language skills she learnt on the job at a five-star hotel in the Rockies, and the loans accompanied qualifications in theatre and fine arts.

After three years of teaching she has almost paid off one of the loans, and is fluent enough to enjoy her subscription to a daily newspaper and socialise with her Japanese friends.

Through Massey, Dana is working towards a Bachelor of Arts and this year is studying international relations, oral and written Japanese,

A lovely day in Kyoto

and Islam. Her mother Pauline had studied at Massey, and the flexibility and variety of extramural study appealed to Dana. She received an A-minus grade in her Islam paper, a complicated subject she has enjoyed getting to grips with – on the train, in her apartment, and during quiet times at work.

"The material is so interesting that finding time to study is not an issue. I just have to stop myself sitting down watching 24 hours of CNN."

Dana says the international news channel spurred her interest in international relations for tertiary study.

"I wanted to learn about the history and politics of the countries in the news. And there's no better place to learn Japanese than Japan!"

Dana emails her lecturers directly and maintains contact with Massey classmates via the online Web CT system which she recommends to other extramural students.

"We share our marked essays and assignments, for different perspectives on the topic, and chat in web forums."

At this time she is preparing her application to the Canadian army with the intention to advance through officer training to intelligence services. She can continue her study through the Royal Military College and the idea of guaranteed employment appeals strongly.

Dana's back-up plan to a career in the army is one in foreign service. With that in mind she took up a voluntary position with the Canadian embassy as the emergency system consular warden representative for Aichi prefecture. Japan's industrial heartland, Aichi is the home of Toyota Corporation and most of Dana's students work for Toyota.

She travelled to Tokyo for embassy training, and was delighted to dine on salmon with expatriate Canadians and their comforting way of adding "eh" to the end of their sentences (a linguistic idiosyncrasy shared by New Zealanders and Canadians).

In her first few days in Japan, which she describes as "overwhelming", Dana decided to start a blog – an online diary with the difference that it can be read by anyone with access to the Internet. Of late the blog has taken a back seat to exam preparation and teaching.

"I try not to write when I'm stressed or feeling negative. Like anyone away from home, I go through stages of not liking where I am."

In the same way a diary allows its author to offload anxiety, the blog helps Dana come to terms with some of the more confusing aspects of Japanese culture.

"Writing puts my thinking into better focus. Once I start to describe something I think about it in greater depth, and with retrospect."

An entry headed "I am speaking Japanese aren't I?" describes the reaction of people in Nagoya to a foreigner who can converse in their language. Japan's fourth largest city, Nagoya sees only a

fraction of the numbers of foreigners who visit, or live and work in cities such as Tokyo, Kyoto and Osaka.

"Most people don't speak any English and they tend to freeze like a deer in the headlights when a foreigner talks to them in Japanese. They don't seem to click to that, and say, "I don't speak English", to which I reply, "I am speaking Japanese".

Her pet peeves include pervading cigarette smoke (smoking indoors is tolerated), the vogue for micro-mini skirts in Nagoya, and the shrill sales tactics of retailers. She admits to an aversion to crowds, and for this reason avoids travelling during public holidays when people flock to places like Kyoto and the price of transport and entertainment doubles.

The Canadian-Kiwi finds the concept of \$4 individually wrapped apples as strange as the sight of dishevelled salarymen reeling off the last train after a twelve-hour day in the office and several more in a bar.

Dana's conversations with the adults and children she teaches have given her insights into Japanese lives.

"Japanese girls hardly ever see their working boyfriends, who work until 10 or 11pm, and fathers don't get to spend much time with their children. Adult students tell me their kids are a little scared of their father because they hardly see him."

Of gender differences Dana says the scene is slowly changing, but typically married women stay at home to raise children. She teases her ambitious Japanese girlfriend about "turning into a salaryman" for the hours of unpaid overtime she works.

Dana's blogs also pay tribute to the attractions of the country and its customs. She raves about the food (in particular okonomiyaki, a meat and vegetable pancake), and visits to Kyoto, Hiroshima and Miyajima.

The juxtaposition of her blogs, where one titled "Lovely day in Kyoto" is followed by "Complaining about Japan", illustrates the complexity of life in Japan.

"You could never guess just how noisy and how crowded it is. You learn about the politeness that is required but then people throw up in the street in front of you and that's okay. It's not until you come here that it sinks in."

Paradoxes in etiquette aside, Dana says she has largely loved her time in Japan and is determined to make the most of her last months.

"It helps to be a little crazy to live in Japan. If not, you're going to end up that way anyway."

At the end of the interview Dana opens the sliding doors to let in a little breeze, along with the sound of the trains, on a summer's day in Nagoya.

Read Dana's blog at: <http://awanderinglife.blogspot.com>



Chain reaction Zak Williams's quest to understand the fortunes of AFFCO *Di Billing writes*

Working on the chain in a freezing works is a monotonous, repetitive and bloody business. To ease the boredom, there's talk. About sport, sex, the next smoko, and, inevitably, about the bosses, the company that owns the works and pays the workers.

On the chain at the Wairoa works near Gisborne, Zak Williams did a lot of listening. The Auckland Farmers' Freezing Company, now AFFCO Holdings Limited, his employer had weathered tough times, particularly after deregulation in the '80s. It survived, by a whisker, an industry rationalisation that forced it to acquire works from R and W Hellaby and Waitaki International. It had unexpectedly – and controversially – listed on the Stock Exchange in 1995. Most of the talk among the workers was worried, remembers Zak, who little expected that one day he would become an expert in the company's governance.

Until recent years, Zak had had little formal education. On leaving school he went straight on the chain at Wairoa. And for a long time he was comfortable enough with his life. He had his mates, was a union member like everybody else, and enjoyed a beer. Then he discovered learning. "One of the fellas on the chain, a Pākehā, decided to do night classes in te Reo in Wairoa. He asked me to go along with him so he'd have someone else on the chain to talk Māori to. I got into it then reached the point where I couldn't learn any more there. So the instructor, a kaumatua, suggested I enrol as an extramural student at Massey, doing Māori Studies.

"One day, while I was on campus at Palmerston North, an elder said, 'Listen, it's good to learn the Māori language but we have a fair few people doing that already. Go and do some Pākehā papers – we need more business knowledge.' So, I changed waka."

Still studying extramurally and still working

on the chain, Zak accumulated the papers for a Bachelor of Business Studies. "I put up my hand for the night shifts which left me the daytime to study and think. Plus get a bit of sleep."

After graduation he returned to the chain, but now that he knew a little more, those old questions nagged at him. What had driven a farmers' cooperative to become a publicly listed company rather than a farmers' cooperative? How had the company come so perilously close to bankruptcy in the mid '90s?

He enrolled in the Master's of Management programme. He planned to research the company's past, and its governance in particular,



Zak Williams (at right) and Dr James Lockhart

for his masterate report.

The problem, he and his supervisor foresaw, would be getting the information he needed. Would company directors and senior managers agree to talk to him, sharing information that could awaken controversy or possibly be commercially sensitive? Zak made careful plans to enlist their cooperation. He found an AFFCO director who was willing to smooth his way and help persuade the chairman of the worth of the study.

With the agreement of the College of Business, Zak adopted a flexible schedule. "I needed time to talk to the chairman but obviously he wasn't always available. So I made a choice to align my schedule with his schedule, rather than the business school's. The logic

was simple: without the chairman's approval to investigate governance issues involving AFFCO, there would be no research project."

His research process has been praised as extremely innovative by Dr James Lockhart, Director of the University's Graduate School of Business.

The project took three years. For most of that time Zak continued to work on the chain but he did take nearly a year off, the better part of 2004, between the end of peak killing season in February and the beginning of the next, in November.

Zak's found that one reason AFFCO struggled in the 1980s was its structure as cooperative. Beset by the debt accumulated in making necessary upgrades to its plant, the board remained intent on realising income for its farmer shareholders rather than the good of the company. Moreover, the cooperative's large board membership and, as Zak puts it, "excess democracy" limited its agility.

In March of this year in AFFCO's boardroom Zak formally presented his project to those who had made it possible: AFFCO's past and present directors and chairmen, chief executives, senior managers and financial advisers. (Hearteningly, everyone approached eventually agreed to be interviewed, though most on the condition that they not be named.) With him for the occasion were his mother Sarah, friends Clarry and Mary Agnew, and whānau member Alicia Beuvig, and, from Massey, Dr James Lockhart.

At the beginning of the meeting, Zak had accepted an invitation from chairman Sam Lewis to sit in the chairman's seat. Going to the head of the table, he gingerly sat down, saying "I could get used to this!" But he was happy enough to leave it when the meeting closed. He had heard enough stories, analysed enough balance sheets, and knew enough about AFFCO's fortunes, to know the seat is not always comfortable.

At top: Zak flanked by his mother Sarah, at left, and Auntie Betty Gemmell, at right, outside the family home.

Introducing



Jennifer Thompson
Deputy Regional Registrar
Extramural Support Services

When Jennifer Thompson finishes work each day, other obligations await. The Deputy Regional Registrar in charge of the support services for Massey's extramural students is an extramural student herself, working on her PhD thesis through Deakin University in Australia. Her thesis topic encompasses e-learning and student online support.

Earlier in her career, again studying extramurally, Jennifer gained a Master's in Educational Administration from Massey.

This ability to relate her area of study to her professional working environment is one of the things she values about the extramural student experience.

Since 2004, Jennifer has been working with Dr Sandi Shillington, the Palmerston North Regional Registrar, on a major redesign of the support services for Massey extramural students.

They have introduced such things as an assignment pre-reading service, study skills and writing skills tutorials, and career development workshops online.

Jennifer values feedback and ideas from extramural students, whether current or former, on how support services could be improved and developed.

Jennifer Thompson
 Deputy Regional Registrar, Student Life,
 Palmerston North
 j.a.thompson@massey.ac.nz
 Telephone 64 6 359 2636



John Ross
Extramural Careers Consultant
Student Counselling Service

In February of this year, John Ross took up a newly created position as a careers consultant, dedicated solely to the needs of extramural students.

Since then, John, who is based on the Palmerston North campus, has taken hundreds of calls and emails from extramural students in New Zealand and from further afield in United Kingdom, Korea, Germany, and Australia.

He has met many others in face-to-face meetings booked on the Auckland, Wellington or Palmerston North campuses.

John and his colleagues run career workshops covering such things as job search strategies and career planning.

John has more than 20 years' experience in the tertiary education sector and has worked in career counselling and work placement at the University of Canterbury and Sussex University.

John Ross
 Careers Consultant
 j.a.ross@massey.ac.nz
 Telephone 64 6 350 5935



Allan Smee
Online Consultant
Student Learning Centre

One of the many people behind OWLL (the Online Writing and Learning Link website) is Allan Smee, who plays a key role developing and maintaining the increasingly sophisticated website. If, as a student, you have a technical problem with OWLL, it is more than likely that Allan will be the person you turn to. If, as an academic, you would like help in developing an online learning tool for OWLL, Allan should be able to help.

Although he has only been with the Student Learning Centre since 2005, Allan has worked for Massey developing multimedia education applications since 1999. In earlier times these were frequently packaged on interactive CD ROMs. Allan does not have a stock Information-Technology background. In fact he has bachelor's and master's degrees in business studies (the latter with honours in marketing), both achieved as a mature student. Allan's level of academic achievement is the more impressive when you know that he is dyslexic. (A fact he asks people to be aware of in their dealings with him.)

Allan is always looking for innovative ways of using the web to help students. If he can't help you with a technical problem, then he should be able to point you at someone who can.

Allan Smee
 Online Consultant
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shifting forward

James Gardiner writes



When the squillionaire rock star, oil magnate or Hollywood producer orders 20 top-of-the-range luxury German sports cars with identical colours, fittings and specifications, there is a fair a chance a young New Zealander will be on the design team.

Massey technology graduate Simon Bate is living his childhood dream of designing and building some of the world's finest and fastest cars.

Currently with the giant German company Audi AG, he has for the past seven years lived in Germany working on some of the most famous brands in the automotive world, including Mercedes and Porsche.

His employer, quattro GmbH, is an Audi subsidiary responsible for customising the factory models. He works with a team of about 500, about a quarter of them in the design area.

"In New Zealand when I grew up I always wanted to be involved in car design and development. It was my dream. I was fascinated by European cars, always drawing designs of actual and imagined cars and I could tell you the acceleration speeds of all the models."

Bate, 34, went to Awatapu College in Palmerston North and completed a Bachelor of Technology in product development with first class honours at Massey in 1993.

He then went to England for nearly two years, gaining a Master's in automotive design from Coventry University.

He spent a couple of years back in New Zealand working for the Land Transport Safety Authority before returning to Europe and finding work with RufAutomobile GmbH, a company which modifies Porsches in the same way AMG customises Mercedes Benz, BMW has M, and Audi quattro.

Today he lives in the town of Neckarsulm (pop. 15,000, "a bit like Feilding") about 40 minutes drive from his former Stuttgart base in southwest Germany.

Stuttgart is where motorcycles and four-wheeled motorcars were invented by Gottlieb Daimler and Carl Benz and subsequently industrialised by Daimler and Wilhelm Maybach in 1887. It remains a stronghold of the international automotive industry, the name even appearing in the Porsche badge.

He says the Massey degree that set him on this path was valuable for the broad range of skills it encouraged. "Product development is the complete process of designing and manufacturing at product, including researching the market, setting your aims, objectives, constraints, doing the brainstorming, idea generation, screening those ideas, developing and launching the product, and assessing marketplace performance.

"It teaches you how to design successful products in a systematic way.

It was multi-disciplinary, so you learnt a lot of stuff like foundational engineering skills, mathematics, also marketing, design.

"We had a good overview of all these different things which I think is good for going on to management. I was interested mainly in the manufactured product design

side, as opposed to processed products."

Science and physics at school – and a chemistry catch up just before starting – helped get him into the course.

"Things like metal work and tech drawing were helpful but probably not essential. I think it's always important when you're developing stuff to know how things work and how they feel mechanically with your hands."

In the German car industry tertiary qualifications are respected, Bate says. "They even said when I was at Mercedes that if I had a PhD it would have made it easier to get into management positions but at Audi they have a policy that they pay you for the job you do and not for your qualifications.

"The workplace is mainly Germans with a sprinkling from all over the world but you speak, write and read in German and that's quite a challenge."

Large companies tend to strictly enforce the law on working hours, which are restricted to 10 a day. Audi actually specifies that staff in this field may not start before 7am or finish later than 6.45pm.

That means anyone who goes in earlier will not be paid for their time before 7am, he says, and anyone who leaves later may find themselves ticked off for doing so.

"Outside the building where I work are rows and rows of new Audi RS4s and these new sports cars they're building and several Lamborghinis as well that they use as test mules for new Audi and Lamborghini components.

"These days Audi is considered to be pretty much on a par with Mercedes and BMW. Having worked at Mercedes, I know that they consider Audi to be, particularly with the quality of the interiors the yardstick, better than Mercedes. The image is perhaps slightly different, but from a quality perspective they're comparable.

"Audi have just recently launched the S6 which is the sports version of the A6, which is a 5.2 litre V10 with something like 450 horse power. That's pretty impressive."

Equally impressive is the sheer spending power of some of the customers.

While the escalating cost of fuel means car designers are paying closer attention than ever to fuel, the buyers of quattro vehicles are wealthy enough not to care.



but, again, I couldn't tell you if I did."

What he likes about living in Germany, apart from the car industry, is its location in central Europe.

"Drive about three hours south of here and you have the choice of the German, Austrian, Swiss and Italian alps. I particularly like the Italian alps. I was in the Dolomites in early June with a friend visiting from New Zealand. It was just before the main European summer when it gets very crowded and we had a wonderful time."

When he is not visiting friends, touring Europe or working, Bate is involved in a Christian inter-denominational church in Stuttgart. The church is international and largely English-speaking.

He enjoys the connections it gives him in a society where people can be inclined to keep to themselves but says primarily it is about his belief in God and the purpose and meaning that gives him.

He finds it slightly disappointing that the majority of Germans call themselves Christian yet many of the historic churches are under-utilised and often the people have almost no actual faith, although they might not appreciate the distinction.

"New Zealanders are a little different in that a lot are quite clear

They are prepared to pay top dollar – or Euro – to not only get the best but to have it customised to their individual preferences.

"We've actually got customers who are celebrities and I can't tell you who they are – household names, musicians, royalty from around the world – and they order a car and they want this colour and this interior, this trim, special stuff and we deliver it.

"I did hear of a guy who ordered 20 of the top model Audis the other day, all the same, apparently so he can have them stationed all round the world and every country he would get out at the airport and have one of these Audis looking exactly the same as all the other places. I can't remember his name



Simon, aged 11, and Matthew, 13, on their first day of intermediate and secondary schools respectively, January 1983.

The Bate brothers

"We never pushed them; they just always worked hard and did well," says Marilyn Bate, the mother of Simon and Matthew. "They pushed themselves a bit."

Simon Bate says of his brother, "Matthew was always very academic, very good at mathematics, physics, sciences. I did well at those subjects but he was exceptional."

Matthew went to Palmerston North Boys' High School, where he was joint dux, while Simon spent the latter part of his secondary school years at Awatapu College.

Mrs Bate, a former primary school teacher, and her husband Russell, a city council roading engineer, also have two daughters, Jo and Sarah.

that they don't even consider themselves to be Christian, it's more openly secular."

He does note considerable pride among Germans, including in his own (Protestant) church, at the election of the German Cardinal Joseph Ratzinger as Pope Benedict XVI.

There is even a car story to go with it: The German owner of a Volkswagen Golf discovered that the new Pope was a previous owner of the car and was then able to sell it in an internet auction for many times its market value.

Bate says he misses family and friends in New Zealand and tries to return once a year or at least every 18 months.

Car design as a career is something that you have to be truly keen on, he reckons.

"If you're really nuts about it, like I was, and you want to go for it, you can do it. I think if you're a New Zealander you don't want to forget that a job that takes you overseas has its benefits but, being away from home, there's a price to pay."

starmaker

Massey alumnus Matthew Bate is Professor of Theoretical Astrophysics at Exeter University. In early 2006 he returned to New Zealand to holiday and visit family. He spoke with Massey's Professor Tony Signal.



collapse under their own gravitational weight, and once that collapse begins the formation of a star or several stars is inevitable. In the animations on my website [see <http://www.astro.ex.ac.uk>] you can see clouds of gas collapsing to form clusters of tens, dozens,

or even hundreds of stars.

Your Massey degree was a double major in physics and computer science. What was the draw?

Physics was my main interest, right through school and on to university. When I was a teenager I built a telescope with my father; I still have it. My interest in computer science also goes back to school days. I joined the computer club during my first year at Palmerston North Boys' High.

Computer science and physics was a good combination. What I do now is numerical astrophysics, so it's computationally-based. I run fluid dynamics codes but in an astrophysical context.

And astrophysics?

At the end of Massey I had to decide between astrophysics or particle physics and I decided particle physics was a bit too abstract. I wanted more hands on, plus I had always been very interested in astronomy. Mum says it was because I was born two weeks after the first moon landing, but I am not sure that has much to do with it.

Did you feel at a disadvantage to students who had studied astrophysics when went to Cambridge University for your PhD?

Astrophysics is basically just applied physics. If you have a good background in maths and physics, anything else you can pick up on the way. In fact, in some ways I think it is best to do 'hard' physics first rather than astrophysics.

What exactly do you work on at Exeter?

I am probably best known for using supercomputers to model the formation of star clusters. The models begin with a turbulent cloud of hydrogen and helium gas, usually ranging from one to several light years across and containing anywhere from fifty to a thousand times the mass of our sun. As these gas clouds evolve, regions within them

So is it a matter of writing the computer code and letting the program run or is there more to it?

Over a decade has gone into the code's development, so now you just set the initial conditions, let it run, and wait – the simulations run on many processors, but they still take many months to perform.

While I am on holiday here in New Zealand I have a calculation chugging away in the UK. I just log in from time to time to check on it.

Then you analyse the results of those simulations, looking at the statistics of objects and comparing them to the statistics of observed systems.

You can look at the distribution of stellar masses and the numbers of stars you see in binary star systems as opposed to single stars like our sun. You can look at the radii and masses of the discs of gas surrounding the stars and then compare that with the numerical simulations to get an idea of what physics you are missing in the calculations.

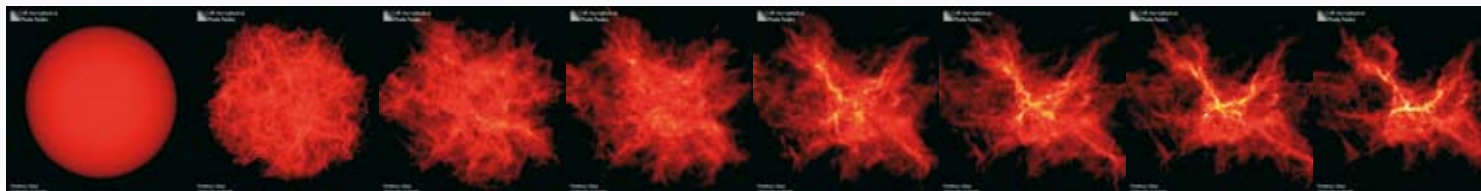
Analysing the properties of the smaller clusters is quite easy; you almost know each object by name. But when you are dealing with around 1000 objects you need to have some good ways of analysing the data. The total amount of data from each simulation is around one or two terabytes. The analysis can take as long as the simulation itself.

What is the relationship between observation and theory?

There's a lot of information that you can compare things to. The nearest star-forming regions to us are about 500 light years or so away. With the Hubble space telescope we can get quite a good picture of how stars are forming.

Astrophysics is still an observationally-driven subject. We are always seeing new things, especially, at the moment, in planet formation.

I don't do observations myself, but I talk to and work with a lot



observational astronomers and they like the theoretical models because they make testable predictions. All the time you have an interplay between theory and observation. Observers will tell you that they can observe such-and-such, and you will fit that with your models and make more predictions.

For example?

The best example I can give you relates to the formation of brown dwarfs. These are stars whose mass is too small for them to fuse hydrogen into helium. So when they form they are very bright but they fade away over time.

The first brown dwarf was discovered in 1995, but we now know of hundreds of them and we are getting an idea of their masses and how common they are.

The numerical simulations I have done seem to show that brown dwarfs start to form in interstellar gas clouds as if they were stars, but that gravitation interactions eject them soon after they form, before they have had enough time to accumulate much mass. Stars form in the same way, but they sit there longer and gather more mass.

Using this model you can make predictions about what it means for the properties of brown dwarfs in particular. If they have to undergo interactions with other brown dwarfs and with stars in order to be ejected, then you wouldn't expect them to have companions such as other brown dwarfs orbiting around them. And indeed, while some do come in pairs, the pairs of brown dwarfs all seem to be much closer together than typical stellar binaries, and this may be an indication that the model is correct.

But it is only an indication, so many observers are putting in time measuring the number of brown dwarfs in binaries. Young brown dwarfs also have discs around them which will presumably form planetary systems. The models predict that these discs should be very small, but for the moment our instruments lack the resolution to measure the sizes accurately. This is an instance where observation is lagging behind modelling.

How do you observe brown dwarfs?

When they first form, brown dwarfs are quite bright, so one place to look is in star-forming regions where stars are only typically one



Professor Matthew Bate

Professor Matthew Bate graduated from Massey in 1991 with a BSc in Physics and Computer Science and with a BSc (Hons) in Physics from Massey in 1992. Supported by a Cambridge Commonwealth Trust Prince of Wales Scholarship, he gained his PhD in astrophysics at Cambridge University, graduating in 1996.

He began work as a lecturer at Exeter University in 2001, shortly after the University's astrophysics programme was founded. He was appointed Reader in 2003 and Professor in 2005.

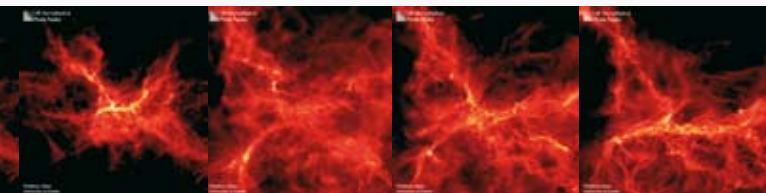
In 2003 Professor Bate was the recipient of a Philip Leverhulme prize, an award carrying with it £50,000 in funding over two years towards the cost of research. In 2005 he was named as one of 25 European Young Investigators. The accompanying funding of £900,000 will enable Professor Bate to devote the next five years of his career to research and to fund research staff and postdoctoral students.

Professor Tony Signal

Professor Tony Signal's field is theoretical particle physics and his particular research interest the quark structure of the proton and the neutron. Professor Signal holds a BSc (Hons) from Massey 1985 and a PhD from the University of Adelaide (1988). He was appointed Professor of Physics in 2002. He holds Distinguished Teacher Awards from the Institute of Fundamental Sciences for the years 2003, 2004, and 2005. He was elected a Fellow of the NZ Institute of Physics in 2004, and awarded a New Zealand Science and Technology Bronze Medal in 2005.



If you are interested in courses of study in physics, contact Professor Tony Signal, Professor of Physics, phone +64 6 356 9099 ext 7844, email a.i.signal@massey.ac.nz, or visit him at Science Tower C, 4.26, Turitea site, Palmerston North campus.





In a frame from one of Professor Bate's simulations, stars and brown dwarfs begin to form in the dense cores of an originally-uniform gas cloud 2.6 light-years across and containing 500 times the mass of the Sun. The frame shows the state of the cloud at 190,000 years.

to two million years old – our sun, by contrast, is five billion years old. The other place to look is in regions which are close to us: those within about 30 light years. Infrared telescopes can pick out brown dwarfs if they are close enough. This is a good way of finding binary pairs of dwarfs as the separation between the pairs is quite wide in the sky and you can actually resolve them with the Hubble telescope and the ground-based telescopes in Chile and Hawaii.

You have also had some influence on the way we think planets form.

I have been interested in how Jupiter-like planets – very massive gas-type planets – form. [Jupiter is 318 times more massive than Earth and has 1300 times the volume.] Until we found other planetary systems we thought that all planetary systems would be like ours with terrestrial rocky planets in close and gas giants out further. But when we began to find other planetary systems – and we now know of about 200 planets – we found they were very different to ours. Many have massive gas-type planets like Jupiter but in very close orbits – orbits closer to their stars than Mercury's orbit is to our sun. This raises many questions about how these planets form and behave.

If you go back to the literature, you find that back in the 1980s someone predicted that once a giant gas planet forms it should slowly spiral in closer and closer to its star. People had rejected this idea because it didn't match with our own solar system, but now it has been resurrected.

So I have been looking at the interaction between a protoplanet and the gaseous disc in which it is forming. Basically the planet loses angular momentum as it spirals in towards the star, and it gives that

angular momentum to the disc. But this raises other questions, such as does the planet stop nearing the star at some point or does it spiral into it, and if it stops, what makes it stop?

Another question is how the planet forms. The typical model for Jupiter-mass planet formation starts with dust: the dust particles stick together, you end up with metre-sized rocks, they then collide together to give you planetesimals [larger objects, many with a diameter of around 10km], and eventually you end up with an Earth-sized object of say 10 or 20 Earth-masses, and once you end up with that mass you have run-away gas accretion on to that object.

Most people favour this rocky-core-and-runaway-accretion theory. But if we look at Jupiter – and space probes have been sent to Jupiter – then the best we can say is that the core is somewhere between zero and around 15 Earth-masses. Now close-to-zero would be a big problem: it would mean there is no core there for this accretion model to work.

But there is another possibility: a gravitational instability in the gas disk leading to an immediate collapse to form a Jupiter-sized object. This is something I have been modelling.

How are you enjoying Exeter?

Devon, the county Exeter is in, has nice beaches and the moors for hiking and tramping, so it's a good place for outdoor activities, and Exeter itself is big enough to have what you want but not so big you feel trapped.

What is your life outside work?

My job means I get to travel a lot to international conferences and seminars, and I enjoy that. Family – I have a wife and two children – work and travel take up most of my time, and I garden a bit as well.

And the Exeter astrophysics programme now has a New Zealand connection.

Yes, that's right. In Exeter's Master of Physics – a degree similar to a BSc Hons in New Zealand – the students have the option of spending their third year abroad in Europe, North America, Australia or New Zealand. The New Zealand option, which was first offered a couple of years ago, is proving the most popular, beating Australia hands down. But of course we need universities to send students to.

Currently we have one student here at Massey and there will probably be more here next year and in future years.

I will look forward to seeing them, and to more Massey students heading Exeter's way.



Beer on the edge

Di Billing writes

When the smart international lifestyle magazine *BellaOnline* discovered Mata beer, they apparently also discovered New Zealand. Mata's Manuka was described by *Bella's* Beer and Brewing editor as a topaz wonder but the serious adjectives were saved for its country of origin.

New Zealand, wrote Carolyn Smagalski, "is a land of geographical isolation, a medley of coastal aberrations and glacial edges, split in the centre by the tectonic fault line, a constant reminder of Earth's instability and erratic inclination."

When the review appeared Tammy Viitakangas and her partner Jaysen Magan ticked off another milestone. They are strategic and ambitious about promoting their beer, which they started producing barely a year ago in October 2005. They intend it to be "the beer of New Zealand", not iconic in the sense that Tui and Steinlager are regarded domestically, but more as a beer that looks, tastes and, yes, feels, but most of all evokes New Zealand.

Mata means "edge, freshness, rawness" and the slogan selected for their company, Aotearoa Breweries NZ Ltd, is: "A beer from the edge." The distinctive labels on their beers make them instant table and conversation pieces. "If you look at the front of the bottle," says Tammy, "above the Mata logo is an abstract drawing of the North Island. Spin the bottle around to the right and there is an abstract of the South Island. The gap between the labels represents the fault line which runs through the middle of the country."

In the longer term, Tammy and Jaysen mean international business. In the meantime, they are based in the small, central North Island town of Kawerau. The location of the brewery is in no way haphazard and certainly not sentimental, although it is Tammy's hometown. Her parents Gloria and Jouni Viitakangas have lived their entire married lives there. Jouni has been there even longer. He arrived from Finland more than 40 years ago as a youngster among the early Finnish families who travelled to Kawerau to help run the then new Tasman Pulp and Paper Mill, now owned by Swedish company Norske Skog.

When Tammy and Jaysen came up with a business plan for a boutique brewery, Jouni had taken early retirement from the mill and was looking for adventure. The brewery is now fully a family business. Tammy is managing director and head brewer. Jaysen, an industrial technologist, looks after IT and logistics and assists with brewing. "My mum Gloria is responsible for sales and marketing," says Tammy. "My dad Jouni and my uncle Esko are also brewers and with their fantastic handyman skills have pieced together a second hand brewery to exactly how I wanted it.

"Jaysen is currently involved with the integration of an SAP (Systems Application Protocol) computer system for enterprise resource planning which gives us great control over the business."

The idea of creating a brewery to produce a unique New Zealand beer began during Tammy's student days at Massey when she learnt about beer brewing in a paper towards her Bachelor of Technology, majoring in biotechnology and bioprocess engineering. She was captured by the process. So was fellow student Jaysen who also graduated Bachelor of Technology. They travelled overseas together and their ideas took shape when they reached Belgium. Both beer drinkers, they loved the Belgian beer but most of all they loved that it reflected the traditional, staunch but rollicking character of the country itself.

Belgium remained the benchmark but they found the same ability to drink in the character of a country in other parts of Europe. "Most beers were stamped with a local flavour which we felt was missing from New Zealand brands," says Jaysen. "This made us think there was a market back home for a new style of beer with a distinct taste of New Zealand."

Back in Auckland, Tammy began experimenting on a bench scale over a period of two years then approached her parents with the idea of a boutique brewery based in Kawerau. The tiny town not only provided the support and expertise of family but was also well placed for easy distribution to target markets, with the first to be the Bay of Plenty. Otakiri also had a source of pure artesian water, which they identified as an essential point of difference for their beers.



An empty retail complex, languishing after a series of retrenchments at the mill, was transformed into a microbrewery capable of producing 3600 litres a week. They purchased Wellington microbrewery Strongcroft and transported the brewing equipment to Kawerau. "Everyone, including my brother Esko, pitched into the construction work," Jouni says. "While we did that, Gloria concentrated on marketing."

Brewing began in October 2005 with the first batch of two Mata handcrafted premium beers ready for drinking five weeks later. They began selling the beer through Bay of Plenty restaurants and started counter sales at the brewery just before Christmas. An estimated month's supply sold out in a week and a half. They are now supplying the beer to selected Auckland restaurants and to a Wellington retail outlet, with more in the wings.

Part of the character of Mata beers is that they are natural with no preservatives and are brewed with pure Kawerau artesian water. The hops come from Nelson, the brewing grains from Europe and the yeast from the United States.

To quote the blurb, Mata Manuka is golden-coloured ale with the fresh, clean bite of native Manuka honey. "The beer is hopped to impart a hint of cinnamon-like spice giving a complementary balance of flavours," says Tammy.

The Artesian is "a refreshing, crisp-tasting, light bodied ale with a hybrid of both ale and lager characteristics edged with a Nelson-grown hop."

Like Belgian beers, both beg to accompany good food. As a further marketing tactic, the family began to promote the excellence of their beers as a partner to good, distinctively New Zealand food, via their own web page and in foodie magazines, working with Hastings-based chefs Aaron and Lena Clulow. Mata Artesian and Smoked Flame Grilled Beef Fillet. Mata Artesian and Spiced Crusted Duck. Mata Manuka and BBQ Chili Kelp Crayfish. Mata Manuka and Fish Pie. The concept of good food as almost a second thought to good beer is novel.

Tammy is working on her new beer, due to be released shortly. In the meantime, the family has been well pleased to tick off two milestones they had not expected to reach so quickly. One was the winning of two bronze medals: in the pale ales section of the New Zealand International Beer Awards in April this year, and in the BrewNZ Beer Awards in September, just months after producing their first beers.

Another, to which we can only raise a topaz toast, was an appearance in *MASSEY* magazine. "We hoped we'd hear from you," said Jaysen when we first rang. "We just thought it might take a little longer."



SMOKEY FLAME GRILLED BEEF FILLET WITH ROASTED VINE TOMATOES & BASIL HOLLANDAISE *with Mata Artesian*

MARINADE

- 1 clove garlic (thinly sliced)
- 1/4 cup whisky
- 1 tbsp smoked hickory BBQ sauce
- 1 tbsp oil
- 1 tsp pepper
- 1 thick beef fillet

Rub all ingredients into beef fillet, stand at room temperature for 1 hour

TOMATOES

- 1 clove garlic (thinly sliced)
- 1 tbsp olive oil
- salt & pepper
- 1 sprig oregano (chopped)

Roast in oven until skin's just pop

BASIL HOLLANDAISE

- 175g butter
- 1 each egg
- 1 tbsp rice vinegar
- 1 tbsp mirin
- 1 tbsp basil (thinly sliced)

Melt the butter, place other ingredients in a bowl and whisk over a water bath until thickened and aerated, remove from heat, whisk in butter slowly, stir in basil and season, squeeze 1/2 lemon if needed

STEAK

Char-grill on BBQ on all sides. Place small handful of woodchips onto a piece of tin foil, place beef on a rack above chips cover with a lid and smoke for 5 minutes.

Add another 1/4 cup of whisky to left over marinade, place beef on hot plate, pour over marinade, and roll beef around until marinade has all gone.

Allow to rest, while you roast the tomatoes and make the hollandaise.

Slice the beef in half and serve, drizzle left over tomato oil (from pan) on tomatoes, add a 1 tbsp of orcona rocoto chilli relish under tomatoes.

Recipes by: Aaron and Lena Clulow



THE KEN & ELIZABETH POWELL BEQUEST

Ken Powell knows how things work. And how to fix them if they don't.

In fact, he has spent a lifetime correcting precision equipment. Since WWII, Ken and the 'boys' in his Palmerston North shop have serviced all sorts of gauges and levels, survey and aero equipment. For decades, items would be sent to Ken, from as far north as Kaitia to as far south as Bluff, to be restored, mended, adjusted and modified.

Over time, Ken has developed a keen perception of the importance of being able to measure and describe the world with accuracy.

Enter Elizabeth, the real love of Ken's life. Elizabeth helped deliver thousands of children into the world in her role as a local midwife and registered nurse. Together, they have witnessed huge changes in technology in their fields of work.

While neither Ken nor Elizabeth studied at Massey University, they decided to make a bequest within the Foundation to enable students to explore the wonders of technology.

"Having no children of our own, we see this as our way of giving technology students in our home town a helping hand," says Elizabeth. "Technology has been at the heart of our lives and work and we want our bequest to give people who are enthusiastic about technology an extra edge," enthuses Ken.

The Powell Bequest will be used to support scholarships and research in aspects of technology within the University. Funding like the Powell Bequest ensures that Massey students are given the help they need to imagine new ways to measure and describe the world, now and in the future.

Students share the same passions as you do. Consider the impact you could have in nurturing the development of their futures. Like the Powells, you could leave a bequest to Massey University specifically targeted to areas important to you.

 **FUNDING
THE FUTURE**

MAKING A BEQUEST TO MASSEY UNIVERSITY

Please contact Mike Freeman at
Massey University Foundation,
Private Bag 11 222,
Palmerston North, New Zealand
massey.foundation@massey.ac.nz
+64 04 801 4820

MASSEY UNIVERSITY FOUNDATION SUPPORTING EXCELLENCE IN EDUCATION & RESEARCH



DR SNELL, VISITING FELLOW IN HEALTH AND EXERCISE SCIENCE

The first of three Fellows under the 'Massey University Foundation Outstanding Achiever' banner, Dr Peter Snell, a leading research scientist based in Texas (and iconic New Zealander), will be working with Massey's Institute of Food, Nutrition and Human Health to establish research collaborations. Massey was the first university in the world to put the disciplines of food technology, human nutrition, physiology, sport and exercise together and to practise them as a fundamental multi-disciplinary scientific pursuit, an approach favoured by Dr Snell. Institute staff and Dr Snell will explore areas such as the health impacts of ageing, the mix of diet and exercise to promote a healthy lifestyle, and diabetes in Māori and Pacific Islands peoples. This fellowship is in association with Telecom New Zealand.



DR SEO, VISITING FELLOW IN TELECOMMUNICATIONS

Also visiting under the 'Massey University Foundation Outstanding Achiever' banner is eminent engineer Dr Jung Uck Seo, recognised as a world leading figure in telecommunications and network engineering. Dr Seo is credited with the development and commercialisation of a digital cellular mobile telephone system based on CDMA technology.

With a glittering career in government, industry and academia, Dr Seo is helping link Massey's Institute of Information Sciences and Technology with New Zealand industry and trade, with Korea and the world. The Foundation supports this rare opportunity to combine leading academic research with industrial collaboration.



ALISTAIR BETTS MEMORIAL TRUST FOR AGRIBUSINESS EXCELLENCE

MASTER CLASS SEMINAR SERIES 2006

Drawing together representation from industry leaders such as AGMARDT, Fonterra, Landcorp, PrimePort Timaru and ZESPRI, the Alistair Betts Memorial Trust for Agribusiness Excellence held seminars at five centres around the country during a busy week in July with internationally renowned speakers Dr Ong Poh Seng and Dr Alan Jackson. Together, they inspired, informed and entertained agribusiness audiences with ideas and examples to maximise New Zealand's opportunities in the international consumer market.

Concurrently, the Trust ran a competition for emerging agribusiness leaders. The winner will attend a Marketing Strategy and Planning Course at the China International Europe Business School in Shanghai next year.

MESSAGE FROM THE VICE-CHANCELLOR PROFESSOR JUDITH KINNEAR

The Massey University Foundation has been established to support the achievement of our researchers and students. Because the University meets all the administrative costs of the Foundation, all funds received through the Foundation are used for the purposes specified. I commend the Foundation to you and encourage you to become involved with the achievements of the staff and students at Massey University.

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Pacific History

Where Fate Beckons. The Life of Jean-François de La Pérouse

by John Dunmore, Exisle Publishing,
ISBN:0-908988-53-2, NZD \$49.99

Beside his scholarly English editions of the journals of de Surville, Bougainville and La Pérouse, John Dunmore, the pre-eminent historian of French exploration of the Pacific, has written a biography of each of these navigators. In his words, he wanted 'to put a human face' on the explorer, to envisage him in the social and cultural context in order to understand motivation and assess achievement. *Where Fate Beckons* is in all respects an excellent companion volume to *Storms and Dreams. Louis de Bougainville: Soldier, Explorer, Statesman* (2005). To present the whole life of these explorers, Professor Dunmore has encompassed much more than Pacific history. The backdrop is 18th century France, the Age of Enlightenment, when the philosophes debate the notion of the 'noble savage', noble birth ensures the right to privileges, scientific knowledge is growing, and efforts are being made to reduce the unknown parts of the world.

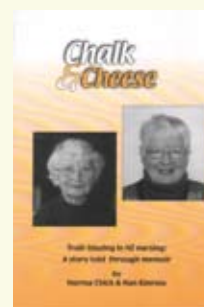
La Pérouse's life from birth in 1741 to his mysterious disappearance off Vanikoro Island in the Pacific in 1788 is narrated on the basis of documents, and with a small measure of authorial imagination, to give a full, judiciously balanced account. Of noble family background, he left Albi in the south-west of France in 1756 to undertake naval training in Brest, where his advancement owed something to Albi connections. He served during the Seven Years War with Britain and on a mission to the West Indies; based at Isle de France (Mauritius), he served in the Indian ocean (1772-77), where he first commanded a ship and also heard much about exploration of the Pacific; then he took part in the American Campaign (1778-82), and undertook a secret mission to north Canada. La Pérouse thus had nearly 30 years of naval experience and wartime action before he sailed for the Pacific. Zealous and ambitious, he had gained promotion and the confidence of his superiors. However, his father's jealous protection of the family's noble status was an obstacle to La Pérouse's marriage to Eléonore Broudou, with whom he fell in love in Isle de France. Eventually they married in 1783, when his rank and standing, his independence of

mind, as well as his love, made him courteously inform his family and the navy of his marriage plans, without seeking their approval.

One third of the book is devoted to the Pacific voyage (1785-88), which was under discussion by the navy, the Minister of marine, and scientists, when La Pérouse returned from America. Louis XVI approved and supported this major scientific expedition to survey new areas. La Pérouse was appointed commander, with the immediate task of selecting officers and scientists for the two ships, the *Boussole* and the *Astrolabe*. The route was around Cape Horn to Easter Island, then north to Alaska in order to explore the American coast down to Monterey, California; from there, the expedition sailed westwards to the unknown seas north of Japan, then south to Botany Bay, Australia. Reports and correspondence were dispatched to France from ports along the way. The consignment entrusted at Botany Bay to Captain Phillip's fleet includes the planned itinerary for the last stages: north to the Santa Cruz and Solomon Islands, then westwards along the west coast of New Holland as far as Diemen's Land, then northwards to reach Isle de France in December 1788. But the last sighting by Europeans was as the ships sailed from Botany Bay on 10 March 1788. When news reached France that the expedition was overdue, the country was in Revolutionary turmoil. Nevertheless, in April 1791, the King authorised a rescue expedition, which spent about ten months in 1792-93 searching around New Caledonia and the Santa Cruz group, even sighting from a distance and recording on map the island which was Vanikoro, where La Pérouse's ships had been wrecked. Fate determined that La Pérouse's Pacific expedition was unfinished, his goal unattained. Fate also determined that the mystery persist. For since Peter Dillon's efforts in 1827 (which the Prologue evokes in a lively scenario) until today, when diving equipment and DNA analysis can be used, the Vanikoro site continues to be explored, with small but significant findings of traces of the ships and their men.

There are vivid scenes, such as of Port-Louis, Isle de France, well documented descriptions, such as of Hudson's Bay, and moving accounts of two tragedies on the Pacific voyage, which deeply affected La Pérouse. A careful navigator, with special interest in hydrography, he commanded with authority and diplomacy, showing courage, humanity and compassion. His name and life resound still, for the circumstances of his final overwhelming struggle with the forces of nature cannot be known.

This is a book not only for readers of Pacific history, but also for those interested in eighteenth-century Europe and history of warfare. —GC



Chalk and Cheese

by Emeritus Professors Nan Kinross and Norma Chick,
Central Publishing Bureau, \$29.00
(contact words@xtra.co.nz)

This book is a wonderful insight into Massey's history of nursing education, the people who have contributed to that history and the particular contribution of two notable and leading nurse academics.

The book is constructed through woven narratives. This works well, allowing the individual personalities and different lives of these two leaders to shine through. The establishment of the Bachelor of Nursing for registered nurses in 1973 and the subsequent growth and strength of a masters and doctoral program is a credit to two strong and visionary nurses. It is clear through the pages of this book that both of them have made separate but vital contributions to the development of nursing and nursing scholarship in New Zealand. It is interesting to observe the extent to which some individuals can make such major contributions and create such difference. It was also sobering to reflect what a long hard journey it has been and still is to establish what should be the taken-for-granted parameters of a major health discipline.

The book is a credit to Professor Nan Kinross and Professor Norma Chick and all of those who assisted in bringing it together. That they were and are chalk and cheese is beautifully illustrated in the book. What is also obvious is that we need such differences; nursing is so vast and so complex that it most certainly needs many types of leaders working in many different ways to continue the journey that women such as these have carried so strongly. —JC



Classic New Zealand Poets in Performance

edited by Jack Ross, selected by Jack Ross and Jan Kemp, Auckland University Press, paperback with flaps, 2 audio CDs, ISBN-10:1869403673, ISBN-13:9781869403676, NZD\$45.00

Jack Ross has spent much of the past two years hearing voices.

Haunting voices. The voices of Janet Frame, of James K Baxter, of Rex Fairburn, of Denis Glover, of Hone Tuwhare, of Fleur Adcock and many other poets.

Now New Zealanders listen in. *Classic New Zealand Poets in Performance* includes two CDs of recordings.

The Auckland-based Massey University creative writing teacher, English lecturer and author has been listening to archives both recent and from 1974 as part of the sifting, selecting process for publication.

Ross, who co-edited the book with poet Jan Kemp, says the recordings go beyond the text in showing how the poet intended words and phrases to emphasised and inflected.

“Poems performed by their authors expand meaning further, enhancing the rightness of cadences and the exactness of language,” the book’s editors say.

The book includes Denis Glover reading his famed poem *The Magpies* with its immortal onomatopoeia “Quardle oodle ardle wardle doodle”.

The book brings together material from the Waiata Recordings Archive collected in 1974, as well as from the Aotearoa New Zealand Poetry Sound Archive, completed in 2004.

The cover design features Pat Hanley’s 1983 painting *Wonder Full*. —**JL**



Stick Insects

by Steve Trewick and Mary Morgan-Richards, Reed, ISBN: 186948570X, NZD\$14.99

For children – and for adults too – the stick insect is one of the insect world’s novelties: a piece of vegetation come to life, often only spotted when it moves from the tree on which it is feeding to an adjacent fence or house wall. Yet stick insects are all around us, in our bush and in our gardens. New Zealand has 21 formally named species and there may, according to Trewick and Morgan-Richards, be others as yet uncollected and studied.

What else might you like to add to your collection of fascinating facts about stick insects? Well, they lack ears, are exclusively herbivorous, and, in the case of a Malaysian stick insect, have been known to reach a length, legs included, of 56cm. Three of New Zealand’s more common species have now settled southwest England.

Then there’s the matter of sex. That the male of the species is often much smaller than the female, isn’t that unusual (sexual dimorphism is common among insects). More curious is that some species of stick insect have dispensed with males altogether, reproducing by parthenogenesis (from the Greek *partheno* or virgin, and *genesis* or birth).

In natural history appeal, insects are a hard sell. Our species has a predilection for animals of the large warm-blooded, furry or feathery variety. If they are in their dewy-eyed cuddly infancy, all the better.

But that’s not to say that the way we look at our insect and invertebrate life can’t be changed. Take the weta, emblem of our lauded special effects studio. The weta is never going to going to supplant the kiwi or kakapo in our national affections, but it is a creature in which we now take some perverse pride.

Books like this one enlarge our sympathies and understanding. If you have a bright and curious child with an interest in the natural environment, and in insects particularly, this would be a good purchase.

Stick Insects is the most recent in Reed’s series of New Zealand Wild children’s books.

—**MW**



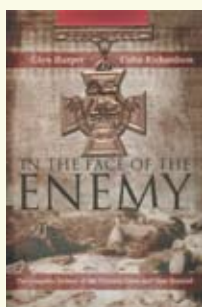
Mysteries of the virgin birth

Males, who needs them? If you are a species trying to get ahead in the world, surely it would be best to dispense with them. Let every one of your members be a female capable of bearing young without the intervention of a male and you will be able to breed twice as quickly. If one of you ends up on a desert island, you need not wait for a partner to be washed up alongside.

The catch? If all of the members of your species are near identical, then that lack of variation is a liability. If the environment changes, if a pathogen or predator evolves, then the weakness of one is the weakness of all. Hence sex, in spite of its inherent inefficiencies, is widespread.

How then do parthenogenetic female-only species, such as those belonging to the stick insect genus *Acanthoxyla* (spiny wood) manage to endure? And how did the eight species of stick insect belonging to *Acanthoxyla*, all of which are parthenogenetic, evolve in the first place? Did they evolve from a series of sexual species, now extinct? Did they evolve from asexual evolution from a parthenogenetic ancestor? Or did they arise from hybridising with other stick insect species, or perhaps some combination of these mechanisms? This set of questions intrigued Massey’s Mary Morgan-Richards and Steven Trewick, who set about sequencing nuclear and mitochondrial DNA from the genus members and studying the structure of their chromosome material.

On the evidence they have amassed so far they favour the idea that the *Acanthoxyla* is the product of one or more hybridisation events involving species from the sister genus *Clitarchus*. However, matters are not clear cut: the maternal species from which *Acanthoxyla* arose has not been identified, and how so many species arose so rapidly remains unclear.



In the Face of the Enemy: The Victoria Cross and New Zealand

by Glyn Harper and Colin Richardson, HarperCollins New Zealand, paperback ISBN:1869505220, NZD\$35.99

Best and Bravest: Kiwis awarded the Victoria Cross

by Glyn Harper and Colin Richardson, HarperCollins New Zealand, paperback ISBN:1869505239, NZD\$19.99

In the Face of the Enemy, the latest book by military historian Associate Professor Glyn Harper, has launched to a barrage of international media interest.

Co-written by Dr Harper and Colonel Colin Richardson, *In the Face of the Enemy*, examines the events, politics and philosophies of the highest Commonwealth military decoration for gallantry. It features the controversial stories of the New Zealand servicemen who were recommended for the Victoria Cross but who did not receive it.

The book has been profiled in feature articles in *The Daily Telegraph* (UK) and *The Canberra Times* (Australia) and Dr Harper has been interviewed by the BBC.

In a speech delivered at the book launch, Minister of Defence Phil Goff described the bronze Victoria Cross as “a symbol of extraordinary courage, in the face of an enemy”. He said the men awarded the Cross would likely endorse the view expressed by Dr Harper and Colonel Richardson that the award of gallantry decorations can be something of a lottery.

“This is because extreme courage can go unrecognised, or not be fully recognised... the analysis of the way various factors featured in the chain of decisions that lay behind the award of each Victoria Cross is one of the areas in which *In the Face of the Enemy* breaks new ground.”

Of the servicemen who were recommended for the VC but who did not receive one, the story of Māori Battalion Lance-Sergeant Haane Manahi is pertinent amid current lobbying by the Manahi VC Committee. Mr Goff said Sgt Manahi displayed outstanding courage and leadership, leading three men 500 feet up a near-sheer face of a mountain. He was awarded a Distinguished Conduct Medal.

“His citation for the VC was signed by those who witnessed his exploits and supported by the entire chain of command including generals Alexander, Montgomery, Freyberg and Kippenberger.”

The Ministry for Defence is working with the committee to see if the case can be reconsidered, acknowledging, however, that the consistent

position of the Palace since the late 1940s has been to not revisit such decisions.

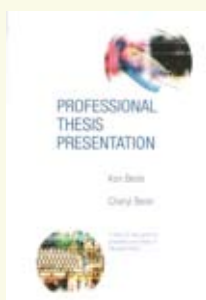
Mr Goff praised the book and “the fact that Glyn Harper and Colonel Richardson have again ensured that the feats of Haane Manahi and others like him who deserved but did not get the VC will not be forgotten”.

In the Face of the Enemy is nicely complemented by *Best and Bravest*, where the stories from *In the Face of the Enemy* are recounted for younger readers. In fact, with its stirring tales of gallantry and courage the book is ideally suited to boys who may otherwise be reluctant readers.

Dr Harper heads the Centre for Defence Studies at the Palmerston North campus and is the author of several military histories. He joined the Australian Army in 1988, transferring to the New Zealand Army where he held the rank of Lieutenant-Colonel until leaving in 2001.

Colin Richardson currently serves at the headquarters of the New Zealand Defence Force and has taught military history and strategy at the Australian Army Command and Staff College. He has a long interest in the history of the Victoria Cross.

Both authors started their military careers as Territorial Force soldiers in the 2nd Canterbury Nelson Marlborough West Coast Battalion in the Royal New Zealand Infantry Regiment, a unit that claims five Victoria Crosses as part of its heritage. —JG



Professional Thesis Presentation: A step-by-step guide to preparing your thesis in Microsoft Word

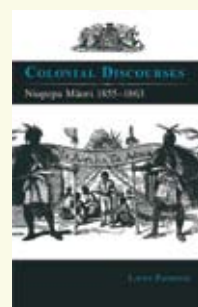
by Ken Benn and Cheryl Benn
Pearson Education New Zealand ISBN:1877371475
NZD\$29.95

Full disclosure: this reviewer is no great fan of Microsoft Word. I find it inelegant and non-intuitive, and when I can use other programmes I will, but Word is the world's default word processing programme, so it is best to come to grips with it.

This is never more important than when setting out to produce a thesis. If you put a little time in to learning the ways of Word before you begin to write you will save yourself a great deal of time and grief and be able to make the best use of Word's many powerful features.

Ken and Cheryl Benn's *Professional Thesis Presentation* is the ideal place to start: jargon-free, clearly structured, and, at under 100 pages, a manageable read.

Cheryl Benn is an Associate Professor in the School of Health Sciences. Ken Benn is a writer and runs his own business. — MW



Colonial Discourses: Niupepa Māori 1855 – 1863

by Dr Lachy Paterson, Otago University Press, ISBN:101877372269, NZD\$39.95

A new book by Māori history lecturer Dr Lachy Paterson shows how the government and churches used Māori newspapers to promote their policies, values and Christianity and discourage traditional Māori spiritual and social practices.

Colonial Discourses: Niupepa Māori 1855 – 1863 looks at how nine bilingual newspapers provided a platform for propaganda and also how they were used as a forum by Māori and Pākehā to debate issues of the day.

Dr Paterson says the government and the churches published most of these papers in both languages as a way of colonising and assimilating Māori into Pākehā society. They also used the papers to promote the sale of land, legislation and the advantages of the Pākehā way of living.

He says Māori also realised the power of the press and the benefits of using newspapers to spread their own messages. Two Waikato chiefs, Hēmara Rerehau and Wiremu Toetoe learnt how to use a printing press when they were invited to visit Vienna. The Emperor of Austro-Vienna gifted a press to the chiefs, and on their return home they started up the Kingitanga newspaper called *Tē Hokioi o Niu Tirenī*, which was also used to influence thinking and promote the Kingitanga movement.

Dr Paterson says Māori also contributed to the debates by writing in response. The viewpoints varied, with some opposing the views presented and others supporting them. Māori also saw an opportunity to allow a wider audience to hear what had been said at hui, so whaikōrero and waiata at significant events were also published.

The book will be of particular interest to all those concerned with New Zealand's social, political and religious history. Dr Paterson believes that the Māori newspapers have been under valued as an historical record of Māori-Pākehā relations and provide a window into Māori society in the 19th and early 20th centuries.

The book is based on an eight-year span of the newspapers from January 1855 to September 1863, covering a vital period in Māori-Pākehā relations, leading into the wars of the 1860s, when many of the papers ceased printing temporarily. — ME



What an amazing six months I have had as Alumni Relations Manager! There have been so many events to organise and opportunities to meet with our alumni. I have met many talented people who are so enthusiastic about the Massey University alumni community.

My first experience of being involved in the graduation ceremonies at Albany, Palmerston North and Wellington was fantastic. It was nice to see so many graduates and their families celebrating their success.

In June we established our first Alumni Chapter Committee in Auckland. In July we held meetings in Melbourne, Sydney and Brisbane to build our networks in Australia. We launched our alumni chapters in Wellington and Palmerston North in September and we look forward to establishing Chapter Committees in these areas, this year. Early next year we will be launching our Chapters in the Hawke's Bay, Canterbury and the Waikato.

Our apparel and memorabilia range continues to expand. We have introduced Swannndri apparel and degree frames. We have even redesigned the Massey mug! The new Massey Alumni wine is proving to be a huge success; many thanks to Dr Jane Hunter.

Of special importance is the election this year of two alumni to the University Council. Enclosed with this magazine you will find the voting papers. You will have already received details of the process leading to the nomination of the candidates listed here. Please take the time to cast your vote.

Please keep in touch with us by filling in and sending the Alumni and Friends brochure back to us that is included in this magazine or send us an e-mail at alumni@massey.ac.nz. We can only keep in touch with you if we have up to date addresses.

There is so much more planned for 2007 and it is an exciting time to be part of the Massey alumni community!

Leanne Fecser
Manager Alumni Relations

Australian Network Launches

The Office of Development and Alumni Relations successfully launched the Australian Alumni and Friends Network in Melbourne, Sydney and Brisbane in July this year.

The network was launched by the Vice-Chancellor Professor Judith Kinnear. Professor Robert Anderson, Pro Vice-Chancellor, College of Sciences attended the Melbourne launch. The events were well supported in each venue with 50 in Melbourne, 35 in Sydney and 40 in Brisbane. Professor Kinnear provided alumni with an update of "Massey

Today" and the Director of Development and Alumni Relations, Mr Mike Freeman spoke to alumni about the importance of the relationship between alumni and the University.

The purpose of building the chapter networks is to provide a means of communication between the University and its alumni and friends. The aim is to create an environment of opportunity and support that is beneficial in a range of ways to all involved. Our alumni were very pleased to see us and have the opportunity to discuss ways that the Office of Development and Alumni Relations



Melbourne Network: Chester Findlay and Professor Judith Kinnear



Brisbane Network (from left): Ian Darby, Bert Biggs, Sandy Box, Rob Box

New Zealand Alumni and Friends Networks

The Alumni and Friends Networks provide a means of communication between the University and its alumni and friends. The aim of these networks is to create an environment of opportunity and support that is beneficial to the University and its alumni. The networks are a fundamental part of our strategy to engage with meaningfully with our alumni. The strategy is unfolding in close association with the work of the Massey University Foundation.

In New Zealand we are creating a network of regional chapters so as to best engage with a wide range of the University's alumni in their own localities. We stress however that no matter which campus attended, they are alumni of Massey University as an entirety.

Launch of Wellington and Palmerston North Chapters

The Wellington Launch (5 September) and the Palmerston North Launch (27 September) were attended by 226 and 200 people respectively. Both audiences were addressed by Vice-Chancellor Professor Judith Kinnear. Dr Jane Hunter from Hunter's Wine attended the Palmerston North launch to introduce the Massey University Alumni wine.

The Alumni Relations Office will work with alumni to establish chapter committees for each of the Palmerston North and Wellington chapters. At each venue staff and students produced impressive displays of the work conducted at the University.

Work is also under way to establish chapters in Canterbury, Hawke's Bay and the Waikato. This will be completed in the early months of 2007.

Auckland Chapter Committee

The first Auckland Chapter Committee was established on 28 June 2006 with a committee of nine alumni and friends. This followed on from the launch of the chapter in November 2005. The convenor of this committee is John Barrand and the deputy convenor is Elizabeth Warner. The committee to date has held two meetings and is working closely with the Alumni Relations Office to organise a programme of activities.



Palmerston North Chapter launch (from left): Dr Mary Simpson, Pam Edwards, Jim Edwards

could assist them. Suggestions received by alumni included facilitating collaborations between them and our staff, providing mentors for new graduates, offering a pool of excellence that they could tap in to for advice, and assisting alumni with strengthening research roles. We will be working on these ideas as we continue to build our networks.

If you would like to be involved in the Australian networks and receive notification of events please let us know by e-mail alumni@massey.ac.nz



Sydney Network (from left): Kerry Wilson, Karen McLaughlan, Denise Aldous, Jo Tims, Ros Thockloth, Claire



Auckland Chapter Committee (from left): Peter Zhang, Elizabeth Warner (Deputy Convenor), Kay Paltridge, Ross Smith, John Barrand (Convenor), Ken Wood, Fiona Ji, Angie Cheong, Jan Bierman (absent)



Wellington Chapter launch (from left): Professor Andrea McLroy, Dr Ruth Anderson, Mary Cull



Palmerston North Chapter launch (from left): Trish Barker, Richard Gillingham, Margaret Gillingham

Alumni and Friends calendar of major events to June 2007

To date we have listed:

24-25 November	Palmerston North Graduation
6 November	Establishment of Wellington Alumni Chapter Committee
13 November	Establishment of Palmerston North Alumni Chapter Committee
October/December 2007	Court of Convocation elections
February	BAGSc 1973-76 Reunion
February/March	Launch of alumni and friends chapter, Christchurch
February/March	Launch of alumni and friends chapter, Hawke's Bay
18 – 20 April	Auckland Graduation
14 – 18 May	Palmerston North Graduation
29 May	Wellington Graduation
13 – 16 June	Mystery Creek Fieldays

Please note these details are provisional and should be confirmed with the Office of Development and Alumni Relations. We will continually add events to this list, so to confirm a reunion or event contact us at alumni@massey.ac.nz or visit our website at <http://alumni.massey.ac.nz>

Contact us if you would like to have a reunion or alumni and friends event you are organising published in this calendar.

Fieldays 2006

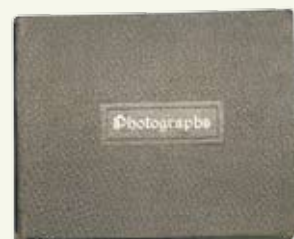
Some of the University's 83,000 alumni met and unwound at the largest agricultural trade show in the Southern Hemisphere – Fieldays at Mystery Creek, Hamilton in June.



Freelance agricultural journalist Richard Bentley graduated with a Bachelor of Agricultural Science. Anne Bennett completed a Diploma in Business Studies while working in logistics in the New Zealand Army, and is currently the manager of the Hamilton Young Womens' Christian Association.



'Froggy' Lelievre (left) and Jim Keir made the most of the swimming pool (now the business studies car-park) as students at the Massey Agricultural College in the days when the roll topped 300. Mr Lelievre and Mr Keir graduated with Diplomas in Agriculture in 1951 and 1954 and went on to successful careers in dairy farming and farm consultancy respectively.



Memories are made of this

In 2005 Graham Christensen from the Practical Work Office in the College of Sciences came across a small photo album dating from 1935-1936 and passed it on to the Archives. The photographs on the following pages show what it was like to be a student (his name is unknown) at Massey during that brief respite between the Great Depression and the Second World War.

Next year Massey turns 80. Its rich history is recorded in the University Archives. If you would like to help the University document its proud heritage by donating such things as photographs, documents or memorabilia to the Archives, you can contact the University Archivist Louis Changuion by calling 06 350 4591, emailing l.a.changuion@massey.ac.nz or visiting the Archives in the Old Main Building, room 1.05, on the Palmerston North campus.



New memorabilia and apparel introduced

The Office of Development and Alumni Relations is pleased to announce the introduction of new items to the range of memorabilia and apparel.

Diploma frames

The Massey University engraved diploma frames are made from rimu timber with non reflective glass and a matt border. The backing materials in the frame are acid free for document preservation. Frame Size: 550mm x 445mm. Retail price : \$99.00

Swanndri apparel

The jackets and vests are made from Merino Flexiwool™ 100% merino, the finest New Zealand wool. Its special knit construction, along with Swanndri's exclusive finishing techniques, work together to keep the wind at bay. Flexiwool™ is a stretch knit too, and that means it allows superior freedom of movement and maximum comfort for the wearer. The Merino Flexiwool™ is also softer than other woollen fabrics so it doesn't itch. With styling to suit both work and leisure, these garments perform in the outdoors as well as looking smart for business meetings.

Retail prices:

Lyttelton Jacket (mens) - \$225.00
Wanaka Vest (mens) - \$145.00
Viaduct Jacket (ladies) - \$225.00
Beaumont Vest (ladies) - \$145.00
Pahia Shirt (short sleeved) - \$65.00
Parkhurst Shirt (long sleeved) - \$75.00



LA Brooks Rugby Trophy Old Rivals dinner and rugby match

On Saturday 2 September Massey University hosted the second of the revived rugby matches with Lincoln University for the LA Brooks Rugby Trophy. The rivalry between the two former agricultural colleges in the form of a rugby game between students went into hiatus for nearly 40 years after being contested from 1952 to 1966.

The weekend started on Friday night with a dinner organised by both Massey's and Lincoln's alumni offices with Old Rivals from 1952-1966 and staff from both universities having the opportunity to get together to swap stories and rekindle the battles of the past. Some of the old players had plenty of advice for the current crop that attended the dinner.

Last year the Massey Ag XV ventured down to Lincoln University for the resurrection of the competition but lost the game 24-7. This year the team went out to settle the score on the

home ground but lost the game 47-0. Next year the game will be played on Lincoln soil and we hope to see plenty of Old Rivals coming along on the trip to support Massey.

Details on the timing of the match in 2007 will be sent to you at a later date. If you are an Old Rival and did not receive notification of this event please let us know by e-mail alumni@massey.ac.nz or phone 06 350 5865 and we would be happy to add you to the mailing list.

Special thanks to Professor Ian Warrington, Deputy Vice-Chancellor (Palmerston North), Massey University; Eimear Clowry, Sports & Events Co-ordinator, Massey University; Professor Roger Field, Vice-Chancellor, Lincoln University; Sarah Currie, Alumni Manager, Lincoln University and Jane Edwards, Scholarship Manager, Lincoln University for their involvement over the weekend.



Current Massey Ag XV players from left: Jeremy Harwood, Andrew Bouton, Sam Werder, Mark Jackson, Scott Evans, Matthew Flett



Massey Old Rivals from left: Harry Lampen-Smith, Ian Steffert, Richard Gillingham, Hugh Clifford



Procesh, the student parade through Palmerston North



Procesh started in 1935



Students haymaking



Massey University

ORDER FORM

ITEM	PRICE PER UNIT	QTY	SIZE	SUB TOTAL
APPAREL				
Please indicate size				

1. Beanie (merino) One size	\$ 20.00			
2. Beanie (possum-merino) One size	\$ 35.00			
3. Beaumont women's vest XS - XL	\$145.00			
4. Cap One size	\$ 20.00			
5. Hoodies (navy/grey) S - 2XL	\$ 69.95			
6. Ladies Microfleece Jacket XS - XL	\$ 65.00			
7. Lyttleton men's jacket S - 3XL	\$225.00			
8. Paihia shirt navy/white short-sleeved S - 4XL	\$ 65.00			
9. Polo Shirt (grey/navy) S - 3XL	\$ 35.00			
10. Parkhurst shirt navy/wh long-sleeved S-3XL	\$ 75.00			
11. T-shirt (navy/white) XS-3XL	\$ 18.00			
12. Polarfleece Sweatshirt S - 3XL	\$ 57.50			
13. Polarfleece Vest XS - 3XL	\$ 50.00			
14. Rugby Jersey (striped/harlequin) S - 3XL	\$ 75.00			
15. Scarf (merino)	\$ 25.00			
16. Scarf (possum-merino)	\$ 45.00			
17. T-Shirt - Ladies' fitted (black/white) S - XL	\$ 30.00			
18. University Tie	\$ 30.00			
19. Viaduct women's jacket XS - XL	\$225.00			
20. Wanaka men's vest S - 3XL	\$145.00			

MEMORABILIA

21. Back Pack	\$ 28.00			
22. Bookmark	\$ 7.00			
23. Business Card Holder	\$ 18.00			
24. Briefcase (men's)	\$285.00			
25. Briefcase (women's)	\$285.00			
26. Coasters (Rimu set of 4)	\$ 50.00			
27. Coffee Mug	\$ 12.00			
28. Degree Frame	\$ 99.00			
29. Key Fob	\$ 6.00			
30. Lanyard (red/blue)	\$ 4.00			
31. Leather Purse	\$ 70.00			
32. Leather Wallet	\$ 45.00			
33. Pen (in gift tube)	\$ 19.00			
34. Photo frame (8in x 10in)	\$ 45.00			
35. Umbrella	\$ 23.00			
36. University Crest	\$ 60.00			
37. William Bear (in full graduation regalia)	\$ 45.00			
38. William Bear (PhD regalia)	\$ 55.00			
39. Wine Glasses (boxed set of 2)	\$ 40.00			

JEWELLERY

40. Charm (silver)	\$ 9.00			
41. Earrings (silver)	\$ 26.00			
42. Earrings (gold)	\$ 50.00			
43. Lapel pin (silver)	\$ 29.00			
44. Necklace (silver)	\$ 35.00			
45. Tie slide (silver)	\$ 80.00			
46. University ring (silver, men's)	\$105.00			
47. University ring (silver, women's)	\$ 75.00			

Postage & handling \$

NZ \$5.00 • Overseas \$30.00

Total \$

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FOUNDED IN

1927

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To place an order:

FAX this form to:

+64 (06) 350 5786

POST this form to: (no stamp required)

Free Post Authority 114094
Alumni Relations Office
Old Registry Building
Massey University
Private Bag 11 222
Palmerston North
New Zealand

Or drop in and see our range at the following locations:

Alumni Relations Office
The Old Registry Building
Palmerston North Campus

Contact Office
Ground Floor, Block 4
Wellington Campus

Contact Office
Cashiers, Quad A
Albany Campus

You can also download the order form from our website:
<http://alumni.massey.ac.nz>

If you have any queries please contact us at:
alumni@massey.ac.nz

Name (for order) _____

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PAYMENT METHOD

- ☐ Cheque (made payable to Massey University)
- ☐ Visa
- ☐ Mastercard

Credit Card Number

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Expiry Date			2	0		
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Cardholder's Name _____

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38





Massey University and Hunter's Wine

The Office of Development and Alumni Relations is pleased to announce the release of "Massey University Alumni Wine". Hunter's Wine has partnered with the University to enable us to offer a superb vintage in our name. The scholarship funds benefit directly from wine sales and our thanks go to Dr Jane Hunter for her very generous assistance.

Dr Jane Hunter OBE is New Zealand's most acclaimed and awarded woman in wine. In 1994 Jane was awarded an OBE for her service to the wine industry and in 1997 she was awarded an Honorary Doctorate of Science from Massey University. In 2004 Jane won the inaugural "Women in Wine Award" at the prestigious International Wine & Spirit Competition. Hunter's Wine is acknowledged as the company that sparked the international awareness of Marlborough as an emerging world wine region.

We were fortunate to have Jane attend our Palmerston North Alumni Chapter Launch on Wednesday 27 September and officially introduce the wine.

The wine is available for distribution in New Zealand. You will find an order form enclosed with this magazine.



Former staff

Moray Wilson, a former staff member in Vet department from 1959 to 1965, writes: "I have had a session with your archivist (Lucy) but I suppose I have a few more details and anecdotes about the early transition days. I'd be happy to talk about it anytime."

1969

Graham Butler, Staff & Honorary, worked in agricultural research and administration with DSIR at Turitea and Wellington, retiring in 1986 as Director-General. He then did technological forecasting with NZ Futures Trust. He was on pesticides and veterinary medicines boards and on a technical committee of the NZ Food and Safety Authority and participates in Royal Society meetings.

1947

Brian Piper, Diploma in Horticulture, writes that after about 13 years with Ministry Ag & Fish (BOP) mainly the establishment of the kiwifruit industry, he established his own kiwifruit and citrus fruit nursery in BOP. Since having to give up horticulture for health reasons he has worked for himself in carving and collecting stone and, more recently, in carving pounamu (NZ greenstone).

1949

Douglas De Lautour, Diploma in Agriculture. From 1949 to 1957 Douglas was part of a management team in Patagonia on a 50,000 acre property Estancia Condor running 200,000 plus Corriedales. He introduced "Barren" technique shearing and A.I. with selected flocks. He later developed two sheep and cattle farms in Wairoa and Turangi and developed a cartage business. He retired in 1993. His hobbies include trout fishing, 61 years' motorcycling (he presently rides a 150 HP Lehman trike), wine and spirit making. He has a share in a small vineyard, and has been a member of Lake Taupo Rotary for 40 years.

1954

Graham Simpson, Bachelor in Agricultural Science, spent 40 years (1959-1999) as Professor of Plant Sciences at the College of Agriculture, University of Saskatchewan and was involved in several international development projects along the way. Graham retired as Prof. Emeritus in 1999 and celebrated by bicycling across Canada from west to east in 79 days. "I still play squash and go cross-country skiing trying to outperform my children and grandchildren. Looking back the best years of my life were the six at Massey, then just a college. Lots of fun mixed with a smidgen of hard work!"

1958

Bruce Callaghan, Diploma in Agriculture, writes that he has happily retired in Picton after 30+ years of valuation and farm supervision for the Public Trust.

Arthur Duncan, Bachelor in Agricultural Science, retired in mid-2000, having completed 38 years in the fertiliser industry, which he joined after nearly five years in the Department of Agriculture. He has now moved back home to Dunedin to be closer to his family and fifth grandchild, which was due in July.

1973

Gregory Edmeades, Master of Agriculture Science, writes: "My wife and I have recently returned to New Zealand after 33 years overseas in Canada, Ghana and the US working as an agricultural researcher and hope to do part-time consulting in maize breeding and agronomy."

1978

Franco Bawang, Diploma in Horticultural Science, was this year awarded the Most Outstanding University Vice President and Exemplary Head Educator of the Philippines by the Humanitarian International Record. He was also nominated as the Cambridge Blue Book Man of the Year by the International Biographical Centre (IBC), Cambridge, England, in 2005. Last year he was also nominated as Inaugural Member of the IBC Leading Educator of the World.



BAgSc '76 reunion

A successful reunion of the BAgSc 1976 graduating class was held over the Easter weekend with 24 people attending to share stories and memories.

The weekend was low key, relaxing and informal. It began with a tour and update of campus developments by Professor Hugh Blair (1976 graduate and Professor of Animal Science, Massey University). This was followed by a weekend spent relaxing, reliving old times and hearing news of those who were unable to attend the reunion. The group looks forward to seeing more alumni in five year's time when the next reunion will be held.

Photos of the reunion can be viewed at <http://agsci76.blogspot.com>

1979

Issa Majaliwa, Diploma in Agriculture, writes: "I am currently working with the rural community in Bukoba on agriforestry projects, advising and training in professional methods of farming and environmental management. The aim is to eliminate hunger and poverty in the rural community."

1986

Robert Connolly, Graduate Diploma in Business Studies, writes: "With over 20 years' experience as a trainer and training manager, I have recently formed my own company - TrainingWise - which specialises in training trainers and providing professional consultancy and support to training organisations."

1987

Brian Northern, Bachelor of Business Studies, went on to complete an MBA in the UK.

1988

Neil Dodgson, Bachelor of Science (Honours), has been promoted to a readership at the University of Cambridge. From 1 October 2006 he will be the reader in graphics and imaging in the computer laboratory.

Ashley Gould, Bachelor of Arts (Humanities), has been contracted to the Crown Law Office since 1992 to provide advice on treaty and other matters associated with New Zealand law.

1989

Andrew Bowman, Bachelor of Horticulture, writes that he is married with two beautiful girls. "Visit www.tvn.co.nz from time to time and watch my business develop!"

Christopher Denby, Bachelor of Business Studies, writes that he is still working for Napier City Council as management accountant. "Jane and I have three children aged 15, 13 and nine. In recent years I have returned to tennis, squash and fine arts! Also had great success as author/publisher of NZ motor-sport history book."



On the ball

Netball Manawatu believes it is on to a winner with its new General Manager.

Previously the organisation has looked for a strong background in sport as the key qualification for its managers. But new General Manager Tania Roberts expects that her experience and knowledge of human management will be her greatest asset.

"I guess with bringing in the business experience, the key for me is to bring in that business focus and more avenues for revenue," she says. "People management skills will also be important. Although Netball Manawatu only has a small team of paid staff, there are hundreds of others involved as volunteers, including Massey University students."

Netball Manawatu chairman Dwight Graham agrees. He says Ms Roberts' business background will be a plus for an organisation wanting to expand its operations. "We were looking for someone to run the business rather than be an expert in netball."

Tania Roberts graduated from the Palmerston North campus in 2001 with a BBS, majoring in Human Resource Management. Her previous job was as a Senior Consultant for a Palmerston North Human Resources firm and she has also worked in the transport, education, call centre and finance sectors in Wellington and the Manawatu.

And as it turns out, she does have the sport creds. She has played netball "for most of my life" and her sister is a certified New Zealand Umpire. "I've always had a background in netball - I suppose not to the capacity of previous general managers - but I certainly know the sport."

Part of her brief is to maintain and extend sponsorship and to increase the player count in local netball. At present around 4000 players take the court each weekend, organised by Netball Manawatu.

Aaron Dobbs, Bachelor of Science, has worked in overseas in France, UK and USA. He is currently teaching in the USA.

Zoe Pierpont, Bachelor of Arts (Humanities), writes: "I spent two years teaching English as a second language in Japan on the JET program. I met my husband, Peter, on an aeroplane while returning to New Zealand for my sister's wedding. We have lived in San Diego, Singapore, Wyoming and Florida. My husband works for Embry Riddle Aeronautical University in Daytona Beach, Florida, and I have devoted my time to raising our two children, Mackenzie and Hamish. I am currently seeking work as a high school English teacher."

1990

Bernard Coleman, Graduate Diploma in Business Studies, writes: "I was at Massey from 1962-67 doing EDI & II, French Studies, from 1987 - 89 doing a Dip Bus Studies and from 2002 - 2005 doing MPhil - Horticulture."

1991

Andrew Sharp, Diploma of Agriculture, shifted to Australia five years ago to pursue his goal of buying a farm. "We are currently on 185 acres milking happily, two kids, wife works for Lifestock Improvement Australia. Beach house, boat and all the trimmings etc. Don't hesitate to contact."

Cornelia Van Selm, Bachelor of Arts, writes: "Now live in a retirement village. The years go faster. There is more to do in less time. How did I ever have time to study, while bringing up five children and working four nights a week in Waiki Hospital. They call this retirement? A big deal!"

1992

Paul Andrew, Bachelor of Technology, has worked at Microsoft for the past six years. He is currently project manager for Windows Workflow Foundation. This technology provides a new way to declare business logic in computer software and Paul is a popular speaker at software developer conferences.

Tracy Nairn, Bachelor of Technology, writes that she has had an entertaining and varied career since leaving Massey in 1988. "I worked for two years as a process engineer at BHP Glenbrook, then spent two years teaching English in Northern Japan before backpacking for a year in Turkey, Egypt and Israel. Stopped off in Australia on my way home to NZ and have stayed ever since. Worked for five years at the Bundaberg Rum distillery in Queensland, first as production engineer and then production manager before moving to Sydney to take up the role of manufacturing manager for UDV (Johnnie Walker, Smirnoff, Gordons Gin etc). I then decided on a complete change of career and took a few months off before taking up a role in Westpac call centres in Brisbane. For the past five years I have been with Westpac in a variety of roles, currently as a project manager implementing change within the organisation."

Jane Ross, Bachelor of Education, writes: "In addition to being a teacher I have also become a published writer of educational resources written for New Zealand classrooms. And to prove I haven't lost my sense of humour, I'm also a contributing sketch writer for TV One's *Face Lift*."

1993

Nolarae Keown, Certificate in Early Childhood Education, works in a cluster of five, decile 1 primary schools that have as a goal the raising of achievement in years 1-3. She writes: "Our group has been known as NEAT (New Entrants Assessment Team) since it was formed in 1999. This year NEAT has been working on a Ministry of Education contract to explore the key competencies. There are five key competencies and we are working particularly with "thinking" and "relating to others". As the project director, it is my role to co-ordinate the work of the group of teachers involved and to work with the co-ordinators to carry out action research in our schools. NEAT is exploring what the competent child will look like at the end of year 3. Using a range of ideas and facilitators we are exploring the factors that promote meaningful, transformative thinking for children in the early years of schooling. The "relating to others" competency is seen as providing a bridge between home and school. Each of the five schools is involved in a community project that aims to improve focus on the real world contexts of children living in the area. Twenty teachers are involved in the contract and professional development is offered. John Edwards, Stuart McNaughton, Cathy Wylie, Eileen Piggot-Irvine and Christina Ward have been involved in consultative roles."

1994

Joanne Crofskey, Bachelor of Business Studies, has just accepted an assignment to spend two years working in the New York office of National Australia Bank. Her role covers compliance and operational risk and involving frameworks to manage these.

Alma Talbot, Bachelor of Science, writes: "The statistics of attendance and lateness at a decile 1 Maori School, (Kelvin Road, Papakura) are very worrying. I am lucky to have work at the age of 78.5 years. Massey and I are the same age - 1927 models."

1995

Cynthia McKenzie, Diploma in Social Science, has recently completed the Whitireia diploma in publishing and is building up her freelance office with editing, indexing and programming work.

Erin Norris, Bachelor of Education, writes: "I have taught at several Auckland high schools (Rangitoto College, Glenfield College), worked in USA as a summer camp instructor, worked in London as a teacher and nanny. I have also worked in USA at guest services in a ski resort and I'm now teaching in Auckland at St Cuthbert's College."

Michael Pehi, Graduate Diploma in Māori Development, has a vision to set up a training school for potential embalmers and funeral directors from a Māori perspective and to network nationally and internationally.

1996

Caroline Aurora, Bachelor of Arts (Humanities), is currently resident manager of Wellington women's boarding house - an operations management role in which she has led the organisation through a period of major restructuring.

Shailendra Narayan, Bachelor of Science, has worked as part time tutor/marker for VSP, taught at various secondary schools, studied topology at Delhi University, India and is now assistant principal at NH School.



The Refectory, looking from the Main Building.



Floods after the big storm of 1936.



The Main building with, at left, the Old Registry

Benefits for Alumni and Friends

The Office of Development and Alumni Relations continues to work to improve its services and to expand the range of benefits it has negotiated for you, the alumni and friends of Massey University.

Several of the benefits currently offered or under negotiation were initiated by Massey University alumni. If you own, or are employed by a business or service that would like to provide a benefit to Massey University alumni and friends, staff or students, please contact us: <http://alumni.massey.ac.nz>

Telephone: (06) 350 5865

Email: alumni@massey.ac.nz

Postal: Private Bag 11 222, Palmerston North

Massey Library

Massey University Library offers alumni and friends a 50 percent discount on membership. For only \$100 per year, you receive the same borrowing privileges as an undergraduate distance student. You can borrow books in person or have them delivered to you anywhere in New Zealand.

Karleri Photography



Karleri Photography in Auckland offers Massey's alumni and friends a discount of 10 percent on the cost of a portrait sitting plus print order over \$250, or the choice of an extra 18 x 12 cm print. For every print order over \$400, Karleri Photography donates \$10 to the Massey

University Scholarship fund. This offer applies to any individual, graduation, business, family, child and parent portraits in the Castor Bay studio or at a North Shore location.



Westpac University Visa Card

Earn great rewards with Hotpoints and support Massey students at the same time. At no cost to you, Westpac will donate 1 percent per annum of the interest-earning balance or a minimum of \$10 per annum for each card – whichever is the greater – to Massey's scholarship fund. Apply today for a Westpac University Visa card!

Kanuka Grove Book and Resource Centre

Receive a 10 percent discount at Kanuka Grove on all trade items. With fabulous books for children and an extensive range of educational resources, Kanuka Grove has a product for you. Visit Kanuka Grove online: <http://kanukagrove.massey.ac.nz> or send your query via email to kanuka.grove@massey.ac.nz. The centre is located on the Hokowhitu site, Centennial Drive,

Palmerston North. Opening hours are Mon–Fri 8.30am – 5.00pm, and Sat 10.00am – 2.00pm. You can contact the centre by phone on (06) 351 3329 or fax (06) 351 3324.



Duty Free Stores New Zealand

Duty Free Stores New Zealand offers a 5 percent discount at all airport stores, a 20 percent discount on phone orders and internet orders, and a 5 percent discount on electronics and cameras at all locations (discounts can not be combined with other offers) to Massey University alumni at all of its stores across New Zealand. For every \$50 or part thereof that you spend in their outlets, Duty Free Stores New Zealand will donate \$1.00 to the Massey University Scholarship Fund. All you need to do is present the required coupon when making a purchase, or use the required code when placing an order over the Internet or telephone.

Career Move

In order to be a front-runner in today's job market, subscribe to Career Move, Massey University's unique career management programme. For only \$125, the programme provides activities that will sharpen your career management skills and accelerate your progress towards your career goals. Visit <http://careers.massey.ac.nz/careermove.html> for more information.

Services for Alumni and Friends

Find a classmate

With a database of over 70,000 names, we can assist you to get in touch with your former classmates. The process for this is carried out adhering strictly to the Privacy Act (1993), so you can be assured that your privacy is protected. Contact us with information relating to the person(s) you wish to catch up with and, if it is possible, we will assist you to make contact.

Networking

Attending Massey University alumni and staff reunions and other events, or being involved in a Massey chapter, is an opportunity to maintain and extend your professional and social networks.

Reunions

Reunions organised by the Office of Development and Alumni Relations are held throughout the year. Visit our website and

check our calendar for the latest details. If you are organising a reunion, there are a number of ways we can support you and help you to contact people you wish to attend. Contact us and we'll let you know how.

News from Massey

Keep up to date with the latest at Massey when you receive *MASSEY* magazine or when you subscribe to the *Alumni and Friends* newsletter or to *Massey News*.

- *MASSEY* magazine is posted twice annually to all alumni and friends. If you do not currently receive a copy either update your details via our website or contact our office (see base of page).
- *Massey News* is an online news service, published every fortnight. Subscribe online today at: <http://masseynews.massey.ac.nz>

- The *Alumni and Friends* Newsletter is a bulletin with the latest on events and activities of particular interest to alumni and friends. Visit our website to subscribe.

Memorabilia and apparel

Looking for a graduation gift or for something special as a memento of Massey University? Massey-branded memorabilia and apparel are available for purchase at all three campuses or by postal order. Visit our website to view our range online.

Share your news

Massey values the achievements and significant events in your life. Share your personal, professional, cultural or other achievements with your fellow alumni and the university community online and via *MASSEY* magazine. If you would like to submit images for publication, contact us directly.

For more information, visit our website or contact our office.

Web: <http://alumni.massey.ac.nz> Telephone: (06) 350 5865 Email: alumni@massey.ac.nz Postal: Private Bag 11 222, Palmerston North



A matter of positioning

GPS mapping is easy, useful, fun and needn't cost the earth. This is the theory behind the latest product from "Wheresmycows Farm Mapping", the do-it-yourself GPS farm mapping kit created by George Ricketts and Stu Bradbury, both of whom graduated from Massey in 2005.

In 2003, during their third year of study towards a Bachelor of Engineering majoring in Mechatronics, Bradbury and Ricketts designed and built a data logger for recording GPS points which they used to map farms. Wheresmycows.com was born and while studying over the next year-and-a-half they travelled around the North Island GPS mapping farms in any spare time they had. "By starting our business as students, we were able to experiment and learn things over time without diving in to mistakes boots and all."

Three years later they are still GPS mapping farms, but there are a few differences. Farm mapping is now done using one of three methods; professional GPS, do-it-yourself GPS, or from ortho-corrected aerial photography. The partnership structure has changed to the structure of a company, and the number of inquiries, sales and job acceptances is increasing every month.

Bradbury says: "Creating www.wheresmycows.com was the kick-starter of our business. Without a website from the beginning the business would have been very difficult to establish. Our business is very flexible and as there are two of us we can share a workload spanning many different activities." Ricketts generally looks after software development and customer support while Bradbury takes care of marketing, accounting, customer relations and sending out finished products. All other work is shared. "We have our specialties and we couldn't run this business without this synergy."

The Wheresmycows product range is based mainly around GPS or farm mapping and management. "Rather than try to expand our range too much, we're looking to stay within this niche but expand our reach." By setting up www.gpsfarmmap.com, Bradbury and Ricketts are testing the do-it-yourself GPS mapping market overseas. They are also looking at further developments based on GPS and mapping as added value products for other agricultural-related industries.

Bradbury and Ricketts are currently looking to find other businesses interested in reselling their products. "We've had several people from businesses in the South Island and other places overseas contact us asking if we are interested in creating a dealer network. We're also going to be approaching businesses overseas to see if they have an interest in selling our DIY mapping kit." All marketing so far has been through word of mouth or online through Google, so they see the next step as getting their product out and into as many farming areas as possible. Bradbury says that marketing outside of New Zealand "will be a challenge, but when is business not a challenge? That's what we're here for isn't it?"

1997

Jennifer Jenkins, Masters Business Administration, left SIT, Invercargill in 2002 and has been in the tenured position of Campus Principal at UCOL Masterton since January 2003. "Currently I have a contract variation to an exciting project coordination role to establish iconic courses in the Wairarapa."

Jason Johnston, Bachelor of Horticulture (Honours), writes: "We have recently returned from Scotland where we worked as postdoctoral scientists. We were living near Aberdeen for just over three-and-a-half years and bought a house in a small fishing village called Stonehaven. Sarah was employed at the Rowett Research Institute and studied energy intake and obesity. Jason worked at the University of Abertay in Dundee on the cryopreservation of rare plants."

1998

Colleen Bennett, Diploma Social Science, writes that after almost 16 years of social work within the disability sector she has retired and is taking time for herself. "I spend my days gardening, reading, walking with walking groups, doing crossword and sudoku puzzles, socialising and spending time with family. I love my new life."

Krista Huls, Bachelor of Science (Math Inf), writes that she has worked in IT since graduating but is now ready for a change. "I would like to get out of the office."

Chantheavy Khieu, Postgraduate Diploma in Applied Science, writes: "I would like to extend my respects to the MU leadership, professors, lecturers, staff and specifically to the unit that deals with international students and the English Language Centre for their friendly treatment during my stay and study in New Zealand. Studying in New Zealand provided me the foundation and great chance to be able to communicate with a range multicultural sphere in my current employer (United Nations World Food Programme, WFP) through English. I am extremely excited when receiving MASSEY Magazine and other leaflets from Massey University. It makes me think that I am not forgotten. I have joined the biggest humanitarian organisation - United Nations World Food Programme (WFP) to fight global hunger. According to the Millennium Development Goals (MDGs), the world needs to halve hunger by 2015. I am proud to be working for WFP and I am also thankful to MU for receiving knowledge that enables me to work in the challenging sphere of work."

1999

Jan Davison, Bachelor of Arts, returned to Australia to live after graduating. "Last year I spent a month visiting China and touring the edges of Tibet. This was a most interesting and informative trip. As I hold a very keen interest in ethnic minorities the time I spent in the remote regions of China was extremely rewarding for me. I would recommend China as a destination for those who, like me, are 'people-orientated'."

Jaya Ramasamy, Bachelor of Business Studies, writes that he has been having a successful career since he graduated from Massey. "I worked in Malaysia, Philippines, Sweden and currently in Shanghai for a Swedish electronic firm. The educational experience in Massey has aided me a lot in my work."

2000

Tracy Cannizzo, Bachelor of Social Work, recently graduated from the University of Illinois at Chicago (VIC) with a MSW.

Sarah Flavall, Bachelor of Resource Planning (Honours). Since graduating Sarah has worked at Northland Regional Council in coastal management positions and for Opus International Consultants as a resource management planner (coastal). She writes that 2006 brings a few adventures with three months' cycle touring in France prior to undertaking an assignment with VSA in Vanuatu working as a coastal environmental advisor on Espiritu Santos.

Jeremy Vanderpump, Bachelor of Business Studies, has spent the past five years working for Fisher & Paykel Appliances as a business analyst - developer, and has recently secured a role working for BMW as a business analyst - developer for their financial services business in New Zealand.

Ziuwen Zhang, Graduate Diploma in Science, writes: "I had a baby girl after my oral examination and became a full-time mother at home for seven months. I will start working as a postdoc on July 3 2006."

2001

Nicholas Hay, Bachelor of Technology, worked at Tegel for three years and is now at Phoenix Organics. Last year he completed the Lake Taupo cycle challenge.

Erin Kennedy, Graduate Diploma in Teaching, writes: "I began my teaching career in a small rural school, which was an awesome learning experience. After that decided it was time for a bit of a change, so moved to a large city school - and that was certainly a challenge! Have progressed up the professional ladder and am looking to further my career prospects in the same field for at least another five years."

Khom Methasiri, Bachelor of Business Studies, writes: "I started my career in jewellery industry, then the film industry (production & post), then worked as a freelance interpreter for a public company. I took a year off work, then worked for a furniture manufacturing and export business, then set up my own company 'Kanthaka'."

Adrienne Sidal, Bachelor of Arts (Social Science), writes: "After graduating in 2001, I spent four years living in Suva, Fiji. Three of those years were spent working for the University of the South Pacific as the publications manager in the Marketing and Communications Office. I returned to Christchurch in July, 2005 and within a month began working temporarily in the Publications Unit of the University of Canterbury's Marketing and Liaison Office. I have recently been appointed the Editor in the Publications Unit and will be handling the publication of Canterbury's Calendar and Enrolment Handbook, among other publications."

Jin Wan, Postgraduate Diploma in Business Administration, writes: "Enjoyed a year's stint in human resources - then moved on to product management and marketing management... still love marketing, particularly interested in viral marketing! Have fun at work before it's too late!"

2002

Susan Heathwaite, Certificate in Early Childhood Education, writes: "With my BED qualification I'm going on to a master's to focus on social justice in early childhood education for refugees and new immigrants. Thanks Massey I really appreciate having the choice of distance learning - it was great for me."

Peter McDermott, Bachelor of Arts, writes: "In December 2005 Shun Mun Pun (Massey graduate 2001 and former NSATS Academic Officer) and I married. We had our wedding reception at Whararata. Last year Shun Mun and I also moved our photography studio from Marton to Palmerston North. In 2004 I completed a Yoga Teaching Diploma (IYTA) and now teach several Hath Yoga classes in PN, including weekly classes at Massey's Recreation Centre and at the Hokowhitu campus."

Pataka Moore, Bachelor of Arts, writes: "I have recently been involved in several environmental restoration projects including also gathering oral histories from elders. I have been lucky enough to work with a number of kaumatua (elders) and listen to their stories. It saddens me to hear about their memories of a once near-pristine environment, yet motivates me at the same time to fulfil their dreams of a once again clean-flowing, resource rich freshwater environment."

Sharon Searle, Executive Masters of Business Administration, writes that since graduating in Wellington, she has moved to Katikati and has started a management consulting business that specialises in customised recognition and reward programmes using memorable experiences.

Dianne Williamson, Graduate Diploma in Occupational Health and Safety. Since graduating from extramural study, Dianne has successfully completed a project for a major customer involving working for two weeks in a tunnel in the North Island. She has also successfully established full health and safety management systems on two key pulp and paper sites for a maintenance organisation. Both sites gained certification to OHSAS 18001 international standard within 12 months of operations commencing.

2003

Willie Tuha, Bachelor of Business Studies. Since leaving Massey, Willie worked for Goodman Fielder and QBE Insurance, both international Australian-owned companies. "I have worked as the financial accountant for the past five years. Planning to apply for further studies but may be in management. Life has been hard but am happy that Massey has taken me this far. Grateful if I continue to receive Alumni magazine."

Geoffrey Wallis, Bachelor of Education (Teaching) Years 0-8, writes: "I got married earlier this year to Emma Broughton. She is amazing and I love being married. Started a new job this term working at Kids First Kindergarten, Redwood, Christchurch and love it."

2004

Andrea Corbett, Masters of Philosophy (Humanities and Social Science), is in the middle of data collection and analysis of PhD work.

2005

Mohammad Abu Bakar, Postgraduate Diploma in Business Administration, returned to Malaysia after graduation and started his career in a manufacturing company based in Penang. A year later, he joined the banking industry. "I got married in May. In the future, I plan to visit Massey University again. Massey taught me the essence of working life, which is vital to my career."

Lynda Allan, Certificate in Social & Community Work, writes that she was delighted to have achieved her Bachelor of Arts after seven years of Massey extramural study. "During this time I have raised three teenagers on my own. They too have graduated with varying degrees. I feel I have set a great example to them with my hard work extramural study programme. During my time of study I have moved from being a part-time adult educational tutor to being appointed manager for a training opportunities programme under the accreditation of Tokomairiro High School. The elective papers that I studied throughout my degree were mainly Adult Teaching papers as well as my major in Social Policy - all very relevant to my present occupation. Thank you Massey for giving me this opportunity to better myself in life. I began my study programme at the age of 46 and I am now 54 years old. I plan to continue with extramural study."

Hannah Coleman, Bachelor of Applied Science. An article about Hannah's thesis (honours) entitled *Aspects of the use of alternative therapies in racing thoroughbreds in NZ*, is to be published by NZ Society of Animal Production.

Josephine Dela Cruz, Master of Philosophy (Humanities and Social Science), writes: "When I graduated in May 2005, I was a Chief Investment Specialist at the Board of Investments but in September 2005 I was promoted to a Director IV position of the Build-Operate-Transfer (BOT) Centre, which is in charge of coordinating and monitoring BOT projects, mostly in infrastructure, which are deemed critical in the nation's economic growth."

Luke Gallagher, Bachelor of Business Studies, is based in Aberdeen, Scotland, working in the sub-sea engineering industry for global contractor, Acergy. He is working as part of a small team looking after the development needs of both the organisation and Acergy personnel across all the global offshore operations.

Helen Hall, Postgraduate Diploma in Arts, writes that she has recently established QDOS company dedicated to helping NGOs and other businesses establish and maintain robust management systems.

James Mutton, Bachelor of Veterinary Science, has been working for the past year-and-a-half as a veterinarian at Millicent Veterinary Clinic in Millicent, South Australia.

2006

Joanne Eagle, Graduate Diploma of Teaching (Secondary), writes: "After five long, hard years of full-time study; balancing a family with my educational commitments, I have DONE IT! I have my dream job as HOD of the Art Department in a local high school. I love it!!! Life is grand!!!"

Herbert Feng, Bachelor of Aviation, writes "I have a job interview with EVA Airways Corp in Taiwan on the 13th of April 2006, so the morning after my graduation ceremony I have to take an Air NZ flight to Taiwan in preparation for my series of job interviews and examinations. If I'm accepted by the organisation, then I will start my one-year ground course and simulator training in August. One year later I might be flying as a First Officer on a Boeing-777 for the company."

Harry Frost, Bachelor of Arts, writes: "I'm feeling privileged to have come through the English programme along with the linguistic strand and media and to have had such a high standard of teaching. It has been all to my advantage as I participate in my teaching diploma year."

Gareth Hagan, Bachelor of Business Studies, started Massey as a 17-year-old in 1990, completed two years of internal study, took a 'year off' and continued extramural study for a further two years then ceased study for eight years. During 2004 and 2005 he completed seven papers while changing jobs twice. He graduated in May 2006.

Peter Halstead, Bachelor of Sports Studies writes: "I am currently working as a personal trainer at Club Physical (gym) in Wellington City. I am just about to begin a job as an exercise therapist for The Back Institute in Lower Hutt. Have been playing soccer for Wellington this year. Life all good!"

Susan Heathwaite, Bachelor of Education, writes: "With my BED qualification I'm going on to a Master's to focus on social justice in early childhood education for refugees and immigrants. Thanks to Massey I really appreciate having the choice of distance learning - was great for me!"

Yi Hsin Tien, Bachelor of Health Science (Major in Psychology), writes: "I will continue my psychology study overseas as I have been educated by New Zealand education and culture for the past six years! Now is a time for me to contribute my knowledge back to my hometown and share what I have learned while in New Zealand."

Michael Lovell, Bachelor of Science, writes: "I'm currently an intern associated with Northcross Community Church and studying at Bible College of New Zealand doing a diploma for graduates focused on theology and will then move into a Master of Theology programme in 2007. I desire to be a full-time pastoral worker in a church, using and continuing to develop my knowledge of psychology and counselling to help people within my community. I also aim to use the computer science aspect of my degree to find part-time work in the IT industry to generate income for myself while working towards pastoral work. I also recently got engaged to the lovely Kristyn Symons and we will be getting married by the end of the year."

Aaron Mayhew, Bachelor of Business Studies, moved to the United States, travelled the East Coast of America, including New York, Philadelphia, Boston, New Hampshire, Los Angeles, Long Island (the Hamptons). He visited London, Ireland and Poland and is planning more US trips and other countries in the next few months.

Angela Norton, Bachelor of Arts and Bachelor of Business Studies, has moved from working at the Telecom Xtra Broadband Helpdesk to working for Gen-I as a Technical Analyst on the AirNZ account.



Cold running

Tanya O'Neill (pictured here on the Greek island of Santorini) has accepted an unusual invitation - to run a marathon in Antarctica. Tanya, who is currently working as a research assistant, graduated with a master's degree in earth science in 2005.

"Honestly, I jumped at the chance!!" writes Tanya of her reaction to the invitation.

"Having an earth science background, the chance to visit Antarctica is a dream-come-true for me! The timing was perfect too, as I was deciding on the details of where and what I would like to do a PhD on (and funnily enough I am looking at a UK-based multidisciplinary project involving ice cores, volcanic eruptions, and climate change)."

This will be her first ever marathon. It's a huge challenge, writes Tanya, but nothing in comparison to the daily challenges faced by the group for whom she is fundraising: cancer sufferers and their families.

Tanya has paid her own way to Antarctica, so all of the money she raises will go directly to the Child Cancer Foundation.

To follow Tanya's progress or to sponsor her in aid of the Child Cancer Foundation visit <http://www.fundraiseonline.co.nz/Ts-ICY-RUN/>

Nathan Penny, Bachelor of Science, has just returned from a two month holiday in Nepal and Tibet. He writes: "I did the Amapurna Circuit, Everest Base Camp from Nepal and Tibet sides. The Maoist Strikes and the government-imposed curfews were a problem - closing shops and stopping most transport services."

Kristina Pervan, Bachelor of Arts, has worked as a reporting analyst performance advisor since leaving Massey in 2004 and she is currently a policy analyst. "Embarking on a degree in economics is the best thing that I have ever done and I thoroughly enjoyed my study time at Massey University!"

Clarinda Stirling, Bachelor of Veterinary Sciences, has moved to Australia, where she is working at Birdwood Veterinary Clinic in the Adelaide Hills in South Australia.

Yixin Wang, Bachelor of Information Science, writes: "Hearing the news that Moss Burmester who is a Massey student won the gold medal in the men's 200m butterfly and smashed the record, as former Massey student I'm so proud of our uni."

Vanessa Wintle, Bachelor of Science, writes that she has recently begun work at the Poultry Industry Association of New Zealand in Newmarket in Auckland, where both her science and communication degrees come into play every day! She is enjoying it there and enjoying it a lot.

First person

FOR IDA

(first Pacific woman judge)

Once I wrote

that we are the seeds of the migrant dream
the daughters supposed to fill the promise
hope heavy on our shoulders
we stand on the broken back of physical labour
knowing the new dawn has been raided.

But

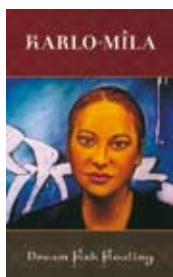
we are the seeds of a much greater dream
that goes back across oceans of memory
a vision still held in the hands
of humble men buried in humble villages
who chant clear our paths
with every lost breath

Ida, you have spoken of the sacrifice
of languages lost, and the cost,
of success in the palangi world
and you have wrapped your son safely
in fa'asamoa
he rests in a nest of language
learning to tame words
that flew like wild gulls
far beyond our understanding

'This is the sacrifice of my generation'
You said
'but it will not be his,
this is where the sacrifice stops.'

The gulls circle
and nest
and our sense of selves
rests.

You touch a vision
clashed to the breast
of humble women buried in humble villages
who still sing
across oceans of memory
in words that our children will be able to hear.



Poems for people who don't like poetry is how sociology doctoral student and poet Karlo Mila describes her debut collection *Dream Fish Floating*.

But the book obviously appeals just as much to poetry lovers. It has won the New Zealand Society of Authors' Jessie Mackay Best First Book Award for poetry at the 2006 Montana Book Awards.

The 31-year-old mother of two is working on a doctoral thesis on Pacific youth identity and health at the Auckland campus.

Frankie Rouse

While studying photography and design at Massey I developed a particular interest in combining still photography with sound as well as a parallel interest in creativity and the creative process. Hence my master's degree project, which presented a series of photographs with excerpts from interviews following an in-depth study into the working methods of five New Zealand photographers. I photographed and interviewed the photographers in their home environments, investigating how they produced their work and how creativity figured in their photographic practices.

I am currently experimenting with combining photographic images with other art-based media, developing a website and looking forward to mounting more exhibitions.

If you would like to learn more or join my mailing list please contact me at frankie_rouse@xtra.co.nz.



Frankie Rouse is currently an extramural tutor at The Learning Connexion and a lecturer at Massey's Wellington campus.

Ian Robertson, photographer

In the early 1990s Ian Robertson was a computer programmer who was "just dying in his job", so he did the sensible thing: he quit and enrolled in a professional photography course at Wellington Polytechnic (now Massey's Wellington campus). As it turned out, he had some talent. The one-year course led to an Agfa bursary and another year of full-time study.

Robertson is now a commercial photographer specialising in producing work for design and advertising companies as well as clientele such as the Wellington City Mission and the New Zealand Cancer Society. His work includes *I Feel Lucky*, an exhibition about cancer survivors, and *Tē Papa Birds*.



<http://ianrobertson.co.nz>



In 2003 Massey photography student Frankie Rouse photographed Robertson at work for a research project (and later exhibition) about the working methods of five Wellington photographers. She caught him, he says, in the closing days of the era of darkroom processing. Nowadays his work is almost all digital. As he semi-ruefully puts it, "I ran away from sitting in front of a computer to find myself sitting in front of a computer."

The photograph *Raewyn Hill, dancer* was taken by Ian for DNA Design as part of an identity for Craig Craig Moller Architects.



Raewyn Hill, Dancer

To get somewhere...

start here,

or here,

or here.

As a researcher, there is no limit to how far you can take knowledge and discovery. But you need a great place to start. Massey University is ranked in the top 200 universities in the world by the UK-based Times Higher Education Supplement (2005) - there for our strengths in teaching, research and our reputation.



Massey University