



Massey News

Auckland • Palmerston North • Wellington • Extramural

3 Hakihea, December 2007 Issue 19

Te Kunenga
ki Pūrehuroa

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Paramount Chief Tumū te Heuheu with whānau and Massey representatives at Waihi Marae.

Honorary doctorate for Tuwharetoa chief

Echoing bellbirds celebrated alongside Ngāti Tuwharetoa iwi and Massey staff at the graduation of the University's newest Doctor of Literature, Paramount Chief Tumū te Heuheu. More than 50 University staff travelled to the southern shore of Lake Taupo for the graduation, hosted by Tuwharetoa at Waihi Marae.

Vice-Chancellor Professor Judith Kinnear acknowledged the contribution that Dr te Heuheu has made to conservation, both nationally and internationally, and the role he has had in developing educational pathways for Māori, including bringing together the Government, educators and Māori for the Hui Taumata Mātaurangi held between 2001 and last year.

"Being a champion for heritage, for education and for the environment requires a level of dedication and leadership that is worthy of the highest recognition, and conferring an honorary degree is one way we can respond to the contribution made to knowledge and wisdom," Professor Kinnear said. "Massey University greatly values the opportunity to acknowledge those qualities on this marae today."

The citation, read in Māori and English by Professors Tai Black and Arohia Durie, noted the contributions of Dr te Heuheu to the nation.

"His contribution to his people, to Māori, to Aotearoa and to the world beyond Aotearoa encompasses many dimensions and for all those reasons he deserves to be fully recognised. As a leader, advocate, mediator, thinker and instigator, he has been at the forefront of change at a time when the economic, social and cultural foundations of New Zealand have undergone radical reform."

Deputy Vice-Chancellor (Māori) Professor Mason Durie, who nominated Dr te Heuheu for the honorary doctorate, said Massey was privileged to confer the degree on a man whose contribution to Māori and to the nation had been outstanding. The award of Honorary Doctor of Literature recognised his efforts to promote conservation in New Zealand, his international contribution to the preservation of worldwide heritage and his work for the advancement of Māori education.

Chancellor Nigel Gould, who travelled to Waihi, said the honorary doctorate ceremony was a superb celebration at the end of a busy year.

"Graduation is the highlight of the academic year and this year has been particularly significant. As well as the honorary doctorate for a man acknowledged as a

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Honorary doctorate for Tuwharetoa chief Tumu te Heuheu

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key leader both within New Zealand and internationally, we are delighted to also see a record 26 doctorates awarded at December graduation in Palmerston north.

"While every graduation is an achievement in itself, it was really exciting to see the diverse areas explored by these doctoral graduates in their study. Massey has always been a university close to the agricultural industry, so it was pleasing to see Doctoral graduates address opportunities to add value in the food chain. We also saw PhD graduates with areas of expertise including Māori health workforce development and determinants of infection in cystic fibrosis sufferers. This is an indication of what can be achieved by creating new knowledge from core areas and applying it to the issues New Zealand is facing.

"I congratulate all our new 470 graduates, and the 5940 who graduated through the year, and look forward to another productive year."



Dr Tumu te Heuheu.

Fat cats under dietary spotlight

Just like people, cats will over-eat if they get the chance. And new research into catfood suggests popular dry cat biscuits may be to blame for some moggies' lack of leanness.

The ease and convenience of dry cat biscuits heightens the risk of owners perpetually topping up the dish and overfeeding their pet, says researcher Dr David Thomas, director of the University's Centre for Feline Nutrition in Palmerston North,

Dr Thomas says cats are naturally designed to eat several small, protein-packed meals a day.

The study, which set out to establish whether there is any link between dry food consumption and weight gain in cats, found that those fed solely on

dry biscuits got plumper but lost weight once they changed to a wet, or canned food diet.

Sixteen adult cats normally fed canned diets were split into two groups. After an initial period during which both groups were given just dry food, one group changed to canned meals and the other continued with dry biscuits. Those eating only dry food put on weight, while the group fed canned food lost weight.

"It's harder to overfeed wet food than dry," says Dr Thomas. His findings will be presented at a major nutrition conference at the University's Auckland campus, which will be held this Wednesday to Friday.

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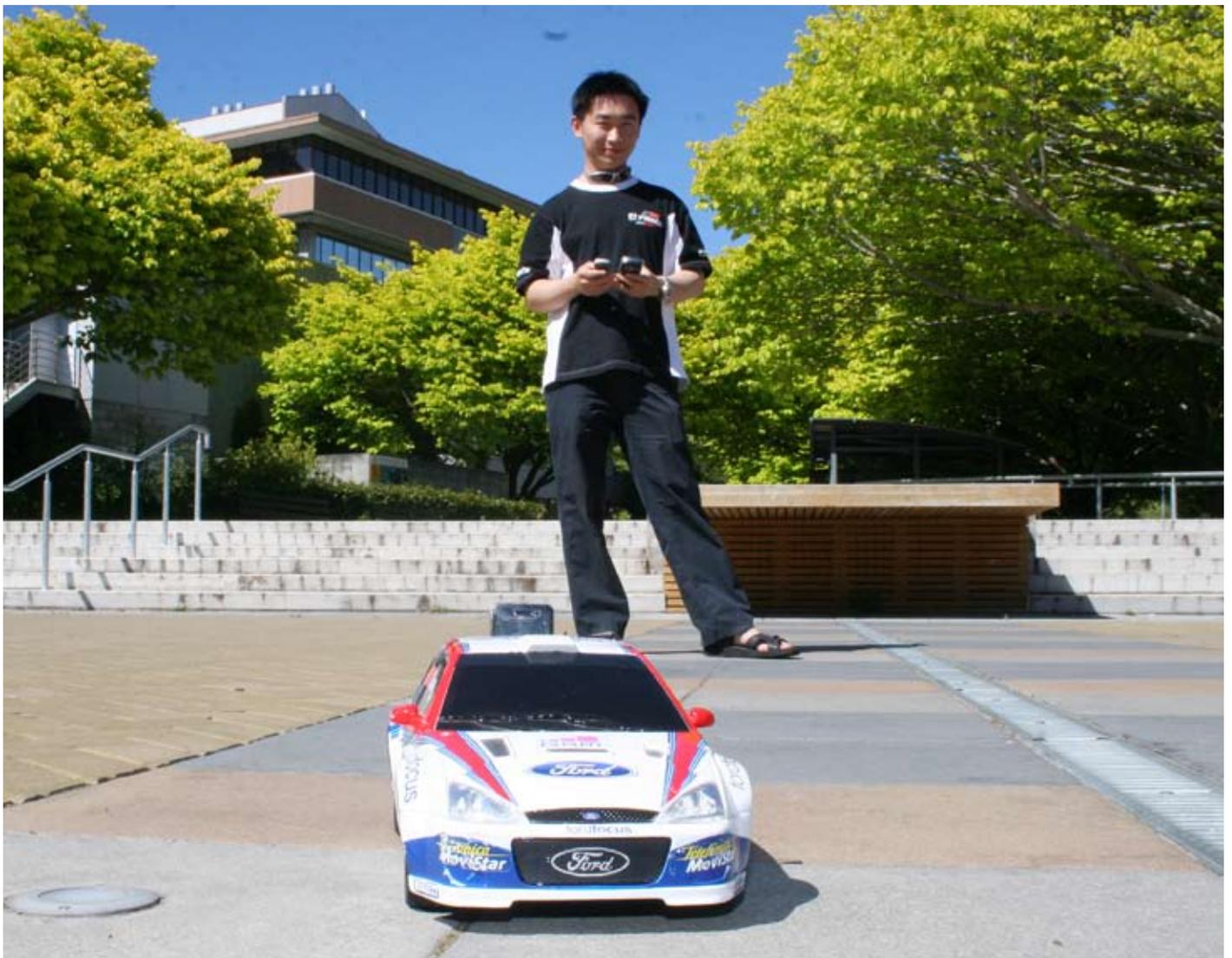
The Massey News website is about to undergo a significant upgrade and redesign that will make it more accessible, navigable and searchable for readers, but we are keen to know what you think of the content we are delivering, the method of delivery and how we could improve the products to better meet your requirements.

To assist us, would you please take a few minutes to complete the following on-line survey. To thank you for your time, completed surveys submitted by 10 December go into a draw to receive one of four \$100 book vouchers.

<http://news.massey.ac.nz/survey.html>



Massey News wishes all readers a safe and enjoyable holiday season.



Engineering graduate Tom Yu Guan with his Smart Eye robot.

Roving spycam opens up a world of possibility

Home owners on holiday, or those at home wishing to check on the bach, can now have an extra pair of eyes looking out for them, thanks to new technology developed by engineering graduate Tom Yu Guan.

Mr Guan designed and built the Smart Eyes robot for his honours engineering project. An off-the-shelf remote-control rally car has a cellphone with video capability mounted on the roof, modified so it can be operated via cellphone. It then feeds footage to another video-capable cellphone anywhere in the world.

Mr Guan says he had always planned to manufacture a surveillance product and after he realised there were no products on the market that allowed the camera to move, he knew what he wanted to create.

"Visual data is very valuable to people and this thing captures visual data very easily – one picture paints a thousand words, they say! I hope it could be used for fun, or for security – even for entertaining pets while you're at work."

Mr Guan, who starts work in March for a major global technology company, purchased the remote control car off the shelf.

He then designed and built the upgrade, putting additional technology "on top" and

getting the system working in a matter of weeks.

Mr Guan has tested the car around the university and in his Palmerston North home, using the video to scout around his property. He is also planning to operate the car in New Zealand from Europe. "So long as the cellphone is in range it should work," he says.

School of Engineering and Technology lecturer Amal Punchihewa supervised the project and says he is impressed with the concept.

"My wife and I have her mother at home and one day when we phoned there was no answer. Wondering what was happening, we had to get a friend to go home and see what was going on. If we had something like this we could just have dialled in and known she was fine."

Mr Punchihewa says the standard of fourth-year projects was very high this year, with others including smart home monitoring and control systems.

"It's a chance to apply what they have learned in theoretical papers to practice, and to learn how to manage a project."

Mr Guan has won several competitions so far with Smart Eyes, and will be competing in Australia soon to see if he will represent the

South Pacific at the global IET competition in Europe, where Massey engineering graduate Stephen Irecki took second place last year. In the meantime, Mr Guan is working at the Institute of Information Sciences and Technology to build another Smart Eyes robot.

"And I have an idea of putting a video system into a model helicopter, controlled robotically, to see if we can do that and avoid things like furniture or obstacles," he says.

Professor Janina Mazierska says the engineering programme is oriented toward industrial innovation and wealth creation.

"As such, the students' learning process includes several projects to acquire hands-on experience and problem-solving skills, which makes them very sought after by industry. Students usually get several job offers before they even graduate."

Massey has the third-largest engineering and technology faculty in New Zealand, with many staff acknowledged internationally as experts in their fields.

The research output of engineering staff, as ranked by the Tertiary Education Commission is 4.5, exceeded only by the University of Auckland on 4.8 and the University of Canterbury on 5.1.



Industrial design student Amy Robinson.

Zonta honours top designers

Industrial design student Amy Robinson has been awarded this year's Zonta Design Award of \$5000.

Ms Robinson finishes her four-year design degree this year and plans to further explore micro-architecture, interiors and environmentally-neutral living by completing a one-year Masters programme in 2009 in Europe.

Until then she is looking for design work in Melbourne.

"Seeing the world, experiencing different cultures and exploring new methods of design will be of great benefit when I return to New Zealand," she says.

Ms Robinson, who attended Nelson College for Girls, beat four other finalists for the supreme award.

The runners-up were: Jo-Ann Harris, who specialises in visual communication design and was sponsored by Saatchi and Saatchi, Lauren Skogstad (interior design, Limited Editions Interior Design), Mira Stanton (fashion and textile design, Rembrandt) and Shelley Jacobson (photographic design, Image Lab). Each received \$1000.

Zonta is an international club of businesswomen. The annual awards honour the top women graduates from the University's School of Design.

The overall award recipient is asked to develop and implement a proposal that assists young women who are thinking about design as a career or who are already studying design.

Securities Commission chairwoman Jane Diplock presented the awards.

Avoiding sun a health risk for South Asians in New Zealand

South Asian women intent on avoiding skin cancer by staying out of New Zealand's harsh sunlight are at risk of suffering diseases caused by vitamin D deficiency, according to a new study.

Doctoral researcher Pamela von Hurst, from the University's Institute of Food, Nutrition and Human Health in Auckland, found that 85 per cent of the 189 South Asian women living in Auckland taking part in her study were vitamin D deficient – a condition usually caused by lack of sunlight.

Comments from women who took part in a questionnaire revealed that many had avidly followed widespread public health warnings about staying out of the sun to prevent skin cancer.

While some of the women said they stayed out of the sun to avoid darkening their skin for cultural reasons, many were anxious about getting skin cancer due to intensive public health campaigns with catchy slogans such as "slip-slop-slap", which urged people to use sunscreen, wear sunhats and cover their bodies when in the sun.

Many of the women – who come from India, Sri Lanka, Bangladesh and Pakistan – said they could not tolerate New Zealand's intense, glaring sun.

"They say the sun is too strong," says Ms von Hurst. Some of the women complained of rashes and itchy skin from sun exposure, and said their skin burned quite easily here.

There is a growing body of evidence internationally that people deficient in vitamin D are at greater risk of developing diabetes, rheumatoid arthritis and other auto-immune diseases as well as cardiovascular disease, says Ms von Hurst.

Researchers are finding there is a strong correlation between lack of exposure to sunlight and the incidence of Type 1 diabetes.

Ms von Hurst's study began earlier this year with the aim of investigating the impact of changes in diet and sunshine hours on South Asian women living in New Zealand.

The latest census shows the Indian population has risen from 60,000 in 2001 to more than 107,000 last year. As part of the study she is monitoring the impact of vitamin D supplements on the women's health to establish what doses are effective. One Auckland GP reported to her anecdotally that many of her Indian women patients aged over 60 had developed some form of auto-immune disease, from lupus to rheumatoid arthritis.

Ms von Hurst will present her findings at the joint New Zealand and Australian Nutrition Sciences Conference at the Auckland campus this week.



Pamela von Hurst.

Top sportspeople recognised

Massey students made a great showing among the top contenders at this year's Massey University North Harbour Sporting Excellence Awards.

The University's swimming stars, Helen Norfolk and Moss Burmester, were Sportswoman of the Year and finalist for Sportsman of the Year respectively.

Other top Massey swimmers, Corney Swanepoel, John Zulch and Cameron Gibson, were members of the men's relay team that won Team of the Year.

The University is sponsor of the awards for the second year and has a strong presence at the event, which is a highlight on the sporting calendar in the region.

The awards attract sportspeople and teams from the highest ranks of many sporting codes to junior teams, referees, administrators, sports clubs and community organisations.

The awards were presented at a gala dinner for around 400 people.



Swimmer Helen Norfolk is Sportswoman of the Year in the 2007 Massey University North Harbour Sporting Excellence Awards.

Room for improvement behind New Zealand's boardroom doors

There is room for improvement in the way New Zealand boards operate, says a researcher who has spent six years studying how things work behind boardroom doors.

Dr Beverley Edlin, who graduated on Friday with a Doctor of Business Administration, found that only a third of New Zealand's boards are highly effective and that for the most part, boards have largely regarded assessing themselves as a satisfactory way of providing a measure of performance.

Thus far there has been little research into boardroom dynamics and processes, says Dr Edlin, who has been studying the workings of an unnamed State Owned Enterprise board for several years in order to carry out this study for her DBA.

The typical characteristics of ineffective boards, she says are being too big, not having a complementary mix of skills, having a dominant chair or chief executive officer and not having an awareness of "robust" governance processes.

Dr Edlin brings years of business experience to her study and was general manager of the Institute of Chartered Accountants.

"Over the years I had seen how the personality and style of the chair of the board could have a huge influence on how boards and companies operate.

"But there are many other things I observed that gave rise to this study. I wanted to determine the critical factors that really

make a board stand out once I realised there has been very little research done inside the boardroom."

Key findings include the need for the chair and the chief executive to have a complementary relationship.

"If this balance is not right you find that decisions have often been made before the issues get into the boardroom. It is vital that the chair be 'king of process' and the chief executive be 'king of information', ensuring the very best information flow into the boardroom from senior management."

She says many boards are too big and that seven members is the optimum number of people for quality discussion to occur around the table.

"The dynamics of bigger groups get in the way of establishing meaningful discussion."

She also says investor representatives on boards do not add value because they are wearing two hats and therefore have conflicting roles.

She says there is a need for directors to be better trained and to bring a mix of skills to the role.

"All too often you will find that the directors of a board have all come from within the same industry."

Dr Edlin has developed what she calls a "360 degree board assessment programme" that will allow boards to assess their strengths and weaknesses. She says it is a diagnostic tool to create conditions that enable strategically-focused boards to adopt best practice.

New doctoral graduates page 11.



Dr Beverley Edlin.

Distinguished award for planning lecturer

Senior lecturer in planning Dr Caroline Miller has received the distinguished service award from the New Zealand Planning Institute. Earlier this year Dr Miller published *A History of the New Zealand Planning Institute*. With Professor Michael Roche, Dr Miller co-edited the book *Past Matters: Heritage and Planning History – Key Studies from the Pacific Rim*, which features chapters by others in the School of People, Environment and Planning.

Australasian Welfare History Workshop

Historians from Australia and New Zealand attended the second Australasian Welfare History Workshop, convened by Dean of Graduate Research Professor Margaret Tennant in Wellington last week.

Professor Tennant says a particular focus was the practical and ethical issues generated by historians' use of welfare case materials generated in such contexts as child welfare, Salvation Army homes for unmarried mothers, and psychiatric institutions.

Other papers drew on oral history to trace the experiences of adults re-uniting with their family of origin after being in welfare care, and the role of family members such as aunts and grandparents in care-giving.

Professor Tennant's own paper *The Business of Benevolence* examined charity fundraising events, from 19th century floral fetes and wartime queen carnivals, through to the telethons of the 1970s and 1980s, noting the shifting balance between the donation of time and the donation of money to charitable causes in recent years.

Research celebrated



The College of Business has established an end-of-year tradition with celebrations to recognise research success at each campus. Two of the College of Business staff recognised in the annual research celebrations, were: Associate Professor Nanette Monin (left) and Dr Christoph Schumacher with Director of Research, Professor Anne de Bruin (centre).

Benefits outweigh the costs of rainwater harvesting

With a long, hot summer forecast and drought conditions already in some regions, New Zealanders will increasingly depend on collecting their own rainwater as the effects of climate change become more apparent, says roof water researcher Stan Abbott.

Mr Abbott, Director of the Roof Water Research Centre at Massey's Wellington campus, predicts the number of New Zealanders either partly or fully reliant on water collected from their home's roof will increase.

Currently 400,000 – or one in 10 of us – rely on roof water for drinking. Most live in rural areas, or at beaches and offshore islands.

The trend towards coastal living and lifestyle blocks will increase that percentage closer to that of rural Australia, where three million people rely on roof water as their sole source of water.

"The use of alternative water sources such as roof-collected rainwater is definitely part of

the solution to diminishing water resources," Mr Abbott says.

Local authorities are now encouraging householders in urban areas to install domestic rainwater tanks, not only as a mains-water saving measure but also to reduce the adverse effects of storm water runoff and to reduce flood risks.

City Councils such Waitakere, North Shore and Rodney offer rebates to householders who retrofit rainwater tanks to existing houses. Rainwater can be used as a secondary source for toilet flushing, washing clothes or in water heating systems, and outdoors for garden watering, car washing, or filling swimming pools, spas and ornamental ponds.

In Australia, which has been plagued by worsening droughts, there is huge demand for roof-collected rainwater, Mr Abbott says.

"In some parts of Australia building consents for renovations or new houses are issued only if rainwater tanks are installed."

Martin speaks at Outward Bound

Dr Andy Martin, a senior lecturer in the College of Business management department, has been involved in research related to Outward Bound over the past 10 years.

His presentation at a recent international conference held at Outward Bound New Zealand headquarters, Anakiwa, in the Marlborough Sounds, focused on transcending boundaries and enhancing courses.

The conference had delegates from more than 30 countries.

Much of Dr Martin's research, including his PhD, and book *Outdoor and Experiential Learning*, has focused on the experiential educational processes of Outward Bound in the Czech Republic, where he presented a keynote address to their 30th anniversary conference in April this year.

"The courses are a catalyst for significant personal learning and change. The challenge is to provide educational opportunities that challenge more people in more ways, more often," he says.

Outward Bound New Zealand celebrates 45 years of operation this year which have involved more than 45,000 New Zealanders.

It has also impacted on the lives of people throughout the world, who have worked for the organisation or attended its courses.

Dr Martin said Outward Bound has demonstrated it is prepared to walk the talk when it comes to creating a high-performing and satisfied workplace, and was recognised as the best workplace in awards two years ago.

School director Steve Hall also received one of this year's Sir Peter Blake Emerging Leader awards.

Also attending the conference from Massey was Bob Maxwell whose PhD research is focusing on the effects of motivational intervention programmes offered by Outward Bound for the long-term unemployed.



Dr Andy Martin.



Dr Shirley Barnett, Dr Annemarie Gillies, and Dr Marianne Tremaine.

Māori staff PhDs a boost for College of Business

Te Au Rangahau, the Māori Business Research Centre, based in the College of Business management department, is celebrating the completion of doctoral studies by three staff members.

Director Annemarie Gillies and research associate Marianne Tremaine graduated at

the ceremonies in Palmerston North on Friday, while research associate Shirley Barnett will graduate during the May graduation week next year.

The trio were presented with korowai (cloaks) specially designed to reflect their personalities.

Pasifika writings launched

A philosophic meditation on leadership by a former Deputy Prime Minister of Tonga is the first in a series of inspirational writings by Pacific Island statesmen and scholars published by the University, and launched at the fourth annual Pasifika@Massey conference recently.

Sprinkled with quotes from Confucius to Kipling, Aristotle to Einstein, the 32-page document penned by Dr Senipisi Langi Kavaliku is the first in the Pasifika Leaders' Forum.

It is the latest initiative of the Pasifika@Massey strategy, and is aimed at spreading the knowledge, ideas and experiences of respected leaders to a wider audience in education, development and community services in New Zealand.

Dr Kavaliku, the first Tongan to gain a Masterate and PhD prior to 35 years as a cabinet minister in Tonga, has held a swag of top-ranked positions in government, university and church governance throughout the Pacific.

He graduated a Bachelor of Arts from Harvard University, a Masters of Arts from Cambridge University and doctorate from Victoria University, and is currently Chancellor of the University of the South Pacific in Fiji.

His authoritative, thoughtful dissertation, titled *Pasifika Leadership: An issue of Quality and Relevance*, touched on personal experiences of being educated abroad and the challenges of returning to Tonga and adapting to being appointed in a leadership role.

Knowledge of culture, creating trust among colleagues and with people he represents, professionalism, education, and seeking the support of mentors were among the critical

qualities needed for effective leadership, Dr Kavaliku wrote.

For Pacificans in leadership roles in New Zealand, he cites the importance of being sensitive to the multi-cultural, multi-ethnic society. "Emotional intelligence" was the new buzzword for good leadership generally, but has long been part of a Pacifican style of leadership, he says.

The two-day conference at the Auckland campus attracted about 30 Pasifika staff and students from all three campuses.

Director Pasifika Professor Sitaleki Finau gave an overview and progress report on achievements of the Whenua Research and Academic Pasifika Network, and Professor John Raine, Deputy Vice-Chancellor (Auckland) offered a perspective on Pasifika@Massey as keynote speaker at the conference.

Ten research students presented progress reports for discussion and feedback on their Pasifika-themed postgraduate research, with topics ranging from the efficiency of commercial banks in Pacific nations to the relationship between spirituality and education performance among Pacific tertiary students.

Sione Tu'itahi, chairperson of the Pasifika@Massey network, said the strategy had fostered many achievements since its inception in 2003, including the creation of Pasifika fale (spaces) on all campuses, more Pasifika staff and students doing Pacific-related research, a successful pilot project in several Auckland secondary schools to encourage students to continue to university studies and an increasing awareness around New Zealand and the Pacific region of the Pasifika@Massey strategy.



Rare snub-nosed monkeys found in China.

Researchers to China in search of rare monkey

Tracking an elusive troop of endangered golden snub-nosed monkeys through rain-drenched forests in central China's Qingling Mountains was one of the highlights of a research and lecture tour for two Massey academics recently.

Associate Professor Dianne Brunton, who heads the Institute of Natural Resources' Ecology and Conservation Group in Auckland, and fellow researcher Dr Weihong Ji, did not catch up with the rare primates due to bad weather. But by communicating on a walkie-talkie to two villagers who were with the monkey troop, they were only a few hundred metres away from the animals at one stage and were forced to exit the forest on foot down steep mountain tracks, as heavy rain had rendered tracks too dangerous for the four-wheel drive they came in.

Professor Brunton, an expert in animal acoustics, had hoped to record the monkeys' vocal expressions using state-of-the-art digital equipment as well as to observe mating and social behaviour.

The monkeys are listed as a first priority endangered species in China. Destruction of their natural habitat through commercial logging ended in 1998, and since then, the population has remained stable at around 15,000, says Dr Ji.

Professor Brunton and Dr Ji ventured into the mountains (also home to endangered panda) during a six-week research trip to China in September and October.

They also gave seminars at several universities on their research and conservation in New Zealand.

Dr Ji, who came to the University in 2005, first began studying the snub-nosed monkeys 20 years ago at Northwest University after completing

her masters study at the same university, in the city of Xian.

She and her colleagues have written a book and numerous papers on the monkeys, and she continues to collaborate with Chinese scientists and doctoral researchers on the social behaviour and breeding habits of snub-nosed monkeys.

Professor Brunton, who has carried out ground-breaking studies on the bellbird and other New Zealand native species, says Chinese scientists and ecologists are increasingly interested in New Zealand conservation and ecology research as they struggle with the impact of intensive industrial development on their rivers, air, land and animal species.

They were accompanied by Department of Conservation scientist, Ron Moorhouse, who spoke to Chinese scientists and

students about his work with the kakapo, New Zealand's endangered native parrot.

The trio visited Northwest University, Lanzhou University, Gansu Agriculture University and the Institute of Zoology, Chinese Academy of Science in Beijing. Professor Brunton and Dr Ji plan to return to China next year in the hope of locating the monkeys to do further research and vocal recordings.

Their trip was organised and partly funded by the Research Centre for Sichuan Snub-nosed Monkeys, and is part of ongoing collaborative research between the centre and Massey's Ecology and Conservation Group at the Institute of Natural Resources in Auckland.

The institute now has 19 doctoral researchers from New Zealand, Germany, Mexico, Switzerland, Canada, and America, a significant increase from five in 2004.



A drenched NZ research team – Dr Weihong Ji, Associate Professor Dianne Brunton and DOC scientist Ron Moorhouse – on the trail of the snub-nosed monkey in China's Qingling mountains.

Wellington shoppers get to strut their suburb

Americans might talk in zip codes but Wellingtonians could prowl the shopping aisles displaying their suburb if an anti-plastics campaign by design graduate Melissa Sherlock catches on.

Ms Sherlock has designed reusable shopping bags with unique images based on six of the city's suburbs. She chose Island Bay, Newtown, Mt Victoria, Lambton, Karori and Churton Park to present a range of typographic styles.

"I based my composition on a map of the suburb and used street names and landmarks. I aimed to create a sense of space and place through spacing, typeface, size and colour."

She hopes her bags will catch on because they promote a sense of community pride and ownership as well being environmentally friendly.

"I used a classic serif typeface for Karori to match its history and upper class status, while for crowded Mt Victoria I selected a condensed typeface."

She wants to reduce the waste associated with plastic shopping bags. New Zealanders use a billion a year at a cost of about \$25 million to shoppers.

"Plastic bags are a major environmental concern. They take thousands of years to decompose, threaten wildlife and, if burnt, produce toxic gas emissions."

Ms Sherlock studied sustainability as part of her Bachelor of Design honours degree.

"New Zealand is supposed to be clean and green, so I thought we should be doing more to reduce waste."

She used an old-fashioned woodblock printing method, taught in the University's type workshop to achieve the hand-made aesthetic.



Design graduate Melissa Sherlock has created a range of suburban shopping bags in a campaign to reduce waste. Island Bay New World's Carol Poduje loads the mandarins.

Project Management Office moves

The Project Management Office has moved from its location next to the Human Resources buildings to the Courtyard Complex at the Palmerston North campus.

The office, formerly known as Strategic Project Management Services, has four main objectives:

- Lead and manage key strategic projects across the University.
- Lead and support good practice project management, providing project tools, templates, policy, mentoring, questions and answers, and training.
- Provide a framework and resource base that drives and supports a continuous improvement of processes and the way the University does things to support its core business of research, teaching and learning.
- Establish a programme management capability to identify, monitor and report at a high level on key University-wide projects.

Optimisation of Services' Delivery project update

Meetings to update staff on the Optimisation of Services Delivery project have been undertaken across the three University campuses over the past month, with emphasis on the progress of the reviews of financial services and student administration.

Mapping what is currently done in delivering services against the two areas is well under way, with staff commitment at this busy time of the year greatly appreciated by the review teams.

Work will continue on mapping current processes into next year, with the "understand" phase of the review of student services due to commence shortly.

This review is likely to follow a slightly different model, given that student services are more discrete in terms of activities undertaken.

It is appreciated that only a limited amount

of work can start prior to Christmas.

As part of the overall Optimisation of Services' Delivery project we need to gain a better understanding of the specific tasks people involved in the various work streams undertake, the time spent in performing those tasks and functions, and also the volume of work involved.

Because this information is not recorded centrally we are now working through a process to collect this information. We will be consulting with line managers on how best to go about this and hope to get this under way in the New Year.

To keep up with progress of the project over the coming months, please go to the website <http://ourfuture.massey.ac.nz> or if you have any specific questions please contact Charles Abbott on c.r.abbott@massey.ac.nz



reflections

From the Vice-Chancellor

This has been an excellent year for Massey University as demonstrated through the outstanding achievements of staff, students and graduates and as recognised through many honours and awards.

On the teaching front these included the annual Vice-Chancellor's Teaching Excellence Awards, which recognised four staff for their commitment to innovative teaching, two of whom went on to win National Teaching Excellence Awards, namely Dr Bryan Walpert, School of English and Media Studies, and Dr Tracy Riley, School of Curriculum and Pedagogy.

Professor Iain Hay, a Massey alumnus and former staff member, who won the Australian Prime Minister's award for university teaching last year, is guest speaker at the Vice-Chancellor's Symposium 2007, "Teachers Still Matter: The Magic of Teaching", held on each campus this week.

Our commitment to excellence in teaching was acknowledged in the success of various initiatives, for example: Massey became the host institution for New Zealand's first Centre for Tertiary Teaching Excellence, Ako Aotearoa; and received re-accreditation from professional bodies for teaching programmes including the Bachelor of Veterinary Sciences, the Bachelor of Nursing, and the Bachelor of Medical Laboratory Science.

Our ongoing commitment to focused excellence in research and research-teaching has been acknowledged through the latest national Performance-Based Research Funding (PBRF) round, in which we achieved the third highest number of research active staff in the sector, ranked in the top three in 13 subject areas, and ranked first in Design, Nursing and Veterinary Studies and Large Animal Science. Primarily it is the quality of our academic staff that has enabled us to achieve this outstanding result.

The quality of our staff has also been reflected in the awarding of five internal promotions to professor in 2007 and the appointment of renowned historian Kerry Howe, School of Social and Cultural Studies as a Distinguished Professor of the University.

In addition, our research reputation was enhanced by the international recognition accorded to Massey staff, such as the receipt of the prestigious Dahlquist Prize by Professor Robert McLachlan and international recognition for disease surveillance and modelling through our EpiCentre. We celebrated our Excellence in Research and Teaching Awards at a Gala Dinner at the Grand Hall, Parliament Buildings, Wellington, with Research Medal awards made to outstanding researchers, individual, team

and supervisor, in their particular disciplines.

In the 2007 round for Centres of Research Excellence (CoREs) it was pleasing to note that the Allan Wilson Centre was re-funded for a second term and the only new national CoRE was Massey's Riddet Centre: Advancing Knowledge in Foods and Biologicals.

Investment in infrastructure in support of research during the year included: the Manawatu Microscopy and Imaging Centre; and the Solexa Genome Analysis System, commissioned by the Allan Wilson Centre.

Further investments in capital development included: the Massey University Equine and Farm Service wing of the Institute of Veterinary, Animal and Biomedical Sciences; the renovated Student Centre building; and the Hopkirk Research Institute, a collaborative venture between AgResearch and Massey University.

Massey is part of an international community of scholars. This year relationships were maintained and advanced with numerous universities, research institutions and government organisations across the world including, but not limited to, the United Kingdom, the United States of America, Mexico, Japan, China, Saudi Arabia, Pakistan, Thailand, Samoa, and India.

Highlights of our international relationships included: a second tripartite agreement between Massey University and the prestigious Peking University, this time with the University of Inner Mongolia; a memorandum of agreement with Mexico's Universidad Juarez Autonoma de Tabasco de Los Estados Unidos Mexicanos (UJAT); and, a student exchange agreement with Dartington College of Arts in Devon, England. In addition, we also hosted a number of international conferences in 2007, including: 49th International Association for Vegetation Science Conference (February); Evolution 2007 (June); Chief of Army Seminar "Warfighting in a Contemporary Environment" (August); Symposium on Insulin Resistance, Diabetes and Vulnerable Populations (October); Second International Conference on Sensing Technology (ICST'07) (November); and, Fourth International Conference on Computational Intelligence (CIRAS'07) (November).

Again, I am grateful for the efforts and contribution of staff, both the front line academics and the range of general staff providing essential administrative, technical and other support. I wish you all a safe and joyous holiday season.

- Professor Judith Kinnear

Professor Nigel Long
Deputy Vice-Chancellor (Academic and Research)



The past year has offered many highlights in research and teaching worth reflecting upon.

Among those are significant investments in facilities to enable and encourage researchers, recognition of the quality of our teaching staff at national levels, numerous awards and prizes for research staff and the input of significant research funds from government and private sources.

Specific highlights worth further mention include the results of the 2006 PBRF quality evaluation, announced in May, when the University's share of the PBRF funding pool increased by \$2 million to \$34.7 million. This was due to a 45 per cent increase in our quality evaluation score, a 27 per cent increase in A, B and C-ranked researchers and a 52 per cent increase in the number of A-ranked researchers and is a testament to the hard work of many staff and the centralised planning adopted for internal quality assurance.

The opening on the Wellington campus of Ako Aotearoa, the Centre for Tertiary Teaching Excellence headed by Massey under a \$20 million five-year government contract, is another highlight. Dr Peter Coolbear was appointed as director.

Another important appointment was the secondment of Associate Professor Mark Brown to the position of Director of Distance Education, making him responsible for Massey's extramural programme delivery. Dr Brown's specialist knowledge of e-learning is particularly apt, with Massey's overall integration of e-learning throughout its programmes a key initiative.

Our commitment to growing our research capability has been recognised in the University's Investment Plan, with three key initiatives focusing on research and commercialisation. Over the next three years the University is committed to extending its research focus on business and land-based disciplines and continuing to build capability in areas that contribute to New Zealand's economic and social growth.

We will be looking to establish and develop centres for research excellence in areas such as children's literacy and finance, while the Institute for Advanced Study, launched in Auckland in October, is an example of our commitment to enhancing the research environment for staff at Massey.

Optimising commercial activities for the benefit of the University and the nation is another goal defined in the Investment Plan. Massey is involved in a variety of business activities such as commercialisation of intellectual property produced by our research.

The inclusion of these initiatives in the University's strategic planning documents provides guidance and direction for the coming years.

Professor Mason Durie, Deputy Vice-Chancellor (Māori)



The most significant activity for the Office of the DVC (Māori) during 2007 was the development of KIA MAIA (Key Initiatives for A Māori Academic Investment Agenda). The agenda forms part of the University's Investment Plan and was developed by senior Māori staff from the three campuses.

In brief, KIA MAIA provides a way forward for Massey University so that quality academic outcomes for Māori can be realised, Māori professional capability can be extended, research can benefit Māori communities and engagement with Māori individuals and groups can be strengthened.

Range of initiatives will be implemented over the next three years including more systematic course advice for first-year students, the development of learning communities and postgraduate forums, the establishment of a Centre for Māori Professional Advancement, and the formation of research consortia built around whanau and land and environmental management.

During the year the Pasifika@Massey strategy was further developed and has now been released in a number of Pacific languages.

As part of the strategy, Professor Sitaleki Finau has established a wide range of contacts with Pacific communities in New Zealand and has also entered into discussions with several Pacific nations to explore the possibility of a Pacific Research and Development Centre. Meanwhile a strong Pacific presence on each campus has laid foundations for a distinctive Massey contribution to Pacific tertiary education and research.

In February, Dr Te Kani Kingi was appointed Director of Te Mata o te Tau, the Academy for Māori Research and Scholarship. Te Mata o te Tau initiated a professional development programme for Māori academics in semester two, funded through the Innovation and Development Fund.

The programme, MANU-AO, includes a nation-wide weekly seminar delivered through the BRCS video network and involving all eight universities.

Finally, in November, the University was pleased to be able to confer the degree of Doctor of Literature (Honoris causa) on Tumu te Heuheu at the Waihi marae, Turangi. It recognised his contributions to Māori education, world heritage protection, and environmental sustainability.

Professor Lawrence Rose
Pro Vice-Chancellor
College of Business



This year has seen significant developments in the College of Business. With the assistance of many of our academic and administrative people, the college has realigned its structure to better reflect the needs of its stakeholders, both internal and external.

We have also considered and adopted a detailed Strategic Plan, which will guide our focus for the near term – a truly exciting development. A re-energised vision has been developed, which is now shaping our mission.

Our engagement with the business community has been enhanced considerably through the establishment of the College Advisory Board. Chaired by Business New Zealand's Phil O'Reilly, this group reflects a wide representation of the New Zealand business sector and has been quite active offering advice around mission, strategic initiatives and other actions being considered by the college.

The college has also taken a leading role in building business capability by supporting and providing academic judges for a number of business awards events ranging from Northland to Wellington.

Our priorities for the coming year include meaningful progress on accreditation by the Association to Advance Collegiate Schools of Business (AACSB), enhancing our delivery of executive education, strengthening our international linkages and partnerships and enhancing our extramural capability.

To this end the college has appointed Associate Pro Vice-Chancellors for Executive Education, Quality and International and Extramural. An Associate PVC-Research will also be appointed soon. With many of the structural issues completed, 2008 will also see further diversification of our funding base, progress on a distinctive college focus at each campus and addition to our wholly research student numbers.

The culmination of these efforts will see Massey's College of Business continue to be recognised for its successes in creating leaders and transforming New Zealand business.

Professor Sally Morgan
Pro Vice-Chancellor
College of Creative Arts



Just as the Royal College of Art describes itself as a "very special ideas factory", so too can we at Massey's College of Creative Arts. We have been at the creative heart of Wellington, and indeed the

nation, for 122 years, and have been impacting on the cultural and economic well-being of New Zealand through our innovative thinking ever since.

This has been an excellent year for the college. Our PBRF results confirmed us as the nation's leading, research-led, art and design institution.

Our staff and students achieved numerous national and international awards. For example, industrial design student Stephen Smith won the Dyson Product Design Award for his "Arctic Skin", which featured on national television, and Ben Thompson won the Design Institute of New Zealand's "Best" award for his all-terrain in-line board. Professor Anne Noble was invited to exhibit in the National Museum of Photography in Paris and works of other of our academics were seen in prestigious collections across the world.

This year also saw the inauguration of our annual creative arts festival Blow: Nga hau e wha. This has brought together a whole range of cultural events emanating from the college, including exhibitions, public lectures, performances and master-classes.

Thousands of people attended and many events were covered in the national media. As part of the festival three extraordinary New Zealanders, all alumni of the college through its past iterations as the Wellington Schools of Art and Design, were honoured in our Hall of Fame.

We were proud to be able to bestow this honour on Richard Taylor, founder of Weta Workshop; Rebecca Taylor, fashion designer to Hollywood stars; and (posthumously) Len Lye, one of New Zealand's acknowledged, truly world-class artists.

This is a great place to be building from for the coming years, and it's wonderful to note that our enrolments remain buoyant, and our graduates are still leading the way as the thinkers, artists and designers of the future.

Professor James Chapman
Pro Vice-Chancellor
College of Education



The College of Education continues to build on its national and international reputation for excellence and this year hosted a number of overseas delegations who visited the college to share in research and expertise.

The highlight of the year has been the Committee on University Academic Programmes and the Teachers' Council approval of our new four-year Primary Teacher Education programme, which will commence next year.

This innovative teacher preparation programme has many unique features, including compulsory literacy and numeracy courses in each year of the programme,

integrated curriculum and subject studies, a significant bi-cultural dimension, and increased time for school-based teaching practice experiences.

This programme will be unique in New Zealand, in its delivery, qualification, and reputation – ensuring our graduates are among the nation's best.

A significant number of academic staff in the college have recently completed or will soon complete doctoral qualifications. By the end of next year, approximately 80 per cent of our academic staff will be doctorally qualified.

More Doctorates in Education have been awarded this year than in any other year in the history of the University. These advanced qualifications will place our staff as the most qualified, academically and professionally, of staff in any New Zealand college of education.

Our staff are well qualified to be leaders in linking research with teaching and professional practice. In terms of international linkages, the college has been successful during the past 12 months in recruiting international doctoral students.

The college will increasingly be seen by international students as an excellent place for postgraduate study.

I extend my congratulations and thanks to all staff and students for their hard work and look forward to the challenges and success the year ahead will bring.

Professor Barrie Macdonald
Pro Vice-Chancellor
College of Humanities and Social Sciences



Looking back on 2007, I am struck by the achievements and contribution of staff; not just the exceptional performance of key individuals, but of staff overall.

In research, for example, the college was again prominent in the University research medals, with Professor Neil Pearce awarded the medal for individual research, the Research Centre for Māori Health and Development winning the team medal, and Dr Glen Pettigrove an emerging researcher medal.

Professor Kerry Howe's outstanding career in the field of Pacific history and prehistory was recognised externally, when *Vaka Moana*, a study of Polynesian origins, won the history section of the Montana Book Awards; and internally when he was made a Distinguished Professor of the University. Professor Cluny Macpherson was invited to deliver the MacMillan Brown Lectures, a nationally recognised series in the social sciences.

The college performance in the last PBRF round was also a success, with a significant increase in the number of research-active staff, and the number of A researchers. College

staff, and especially those in the research centres, attracted increased external research funds, with the rollover of the Health Research Council programme grant in Māori health a major achievement. Postgraduate enrolments remain strong, with more than 10 per cent of all college students enrolled in research-only (thesis) degrees.

In teaching, the college exceeded all targets for the evaluation of teaching by our students, as well as for retention and completion rates. Dr Bryan Walpert and Dr Sharon Stevens won Vice-Chancellor's Awards for teaching, with Dr Walpert also receiving a National Tertiary Teaching Award as well as the Royal Society of New Zealand Manhire Prize for creative science writing.

The college also concluded a review of its arts qualifications, leading to significant changes to the BA in particular. These include the introduction of a compulsory requirement in written communication, the option of a minor (as well as a major), and changes to the requirements for a double major.

Programme and qualification reviews, and financial pressures, have led to a reassessment of priorities and programme consolidation in some areas. In Humanities, programme changes are being accompanied by a project to explore new ways of promoting and raising the profile of humanities and demonstrating its usefulness in a range of employment areas.

Professorial appointments in Humanities are being made to give a higher profile to key disciplines. Elsewhere in the college, applied and professional programmes, including nursing, midwifery, social work and rehabilitation, have been brought together in a new School of Health and Social Services, which will operate on all three campuses.

While the college faces significant challenges – in the area of distance education, for example – the demonstration of increased research performance, and excellence in teaching, provide positive signals for the future.

Professor Robert Anderson
Pro Vice-Chancellor
College of Sciences



It has been a particularly busy year for the College of Sciences, and it is appropriate to acknowledge the many significant successes we have enjoyed.

To first address a key issue for the University, that of providing a quality education. The Bachelor of Medical Laboratory Science has been re-accredited until 2012, while the Bachelor of Veterinary Science has been accredited until 2014 by the Australasian Veterinary Boards Council and the American Veterinary Medical Association.

The Graduate Diploma in Quality Systems has also received new accreditation, from

the UK Chartered Quality Institute. Further recognition came when a bid led by IVABS saw the University awarded \$2 million to enhance veterinary and science capability, allocated in the latest round of the Building Research Capability in Strategically relevant Areas fund. In order to provide more effective organisation and profile of the engineering and technology platform, a new School of Engineering and Advanced Technology was established.

The PBRF data released in May showed a significant improvement in research capability, with 63 per cent more college staff rated A than in 2003, 43 per cent more rating B and 20 per cent more rating C. The overall college score increased by 43 per cent, which, given the 455 portfolios involved, is an impressive improvement.

Announcement of the University's Riddet Centre as the only new government-funded Centre of Research Excellence was a superb achievement, while the renewal of the Allan Wilson Centre's CoRE status is testament to the inspired work the centre is producing.

Further evidence of the commitment to research was the launch of the New Zealand Institute for Advanced Study, which provides a unique environment to allow elite scientists space to pursue the fundamental scholarships which provide truly innovative answers, and questions. A key research partnership has also been created with the opening of the Hopkirk Institute, a collaborative venture with AgResearch.

In the fundamental sciences, the Allan Wilson Centre launched the new Solexa genome analysis sequencer and the new Manawatu Microscopy and Imaging Centre was opened by Prime Minister Helen Clark. The centre provides a key resource for the University, other institutions and Crown Research Institutes, ensuring we remain at the centre of the growing biological sciences hub that has evolved around the Palmerston North campus.

Finally, it is also worth noting the projects that have become fully-fledged commercial ventures. A spin-off company has been established with the aim of designing bionanoparticles for future commercialisation. The technology developed at the Riddet Centre has enabled Speirs Nutritionals to open a plant at Marton producing an Omega-3 emulsion to be used in products around the world.

Let us look forward to the further successes that 2008 will bring.

Professor John Raine

Deputy Vice-Chancellor (Auckland)



This year the Auckland campus continued to plan for developments that will further consolidate its position as the primary university presence north of the Harbour Bridge. While first-year international

enrolments fell, reflecting the decline in student numbers from China, domestic enrolments continued to grow.

A highlight of the year was the opening on 3 October by the Minister of Research Science and Technology, Steve Maharey, of the New Zealand Institute for Advanced Study, which will host some of New Zealand's top theoretical scientists and will underline the strong research focus of this campus, which has 27 per cent postgraduate students.

Another outstanding 21st Century Career Pathways in Technology Programme for school students was jointly undertaken with Smales Farm Technology Office Park, with major financial support from Smales Farm and New Zealand Trade and Enterprise.

Community and business relationships have continued to develop well and our support through scholarships and for events such as the Westpac Enterprise North Shore Business Excellence Awards underline Massey's commitment to the region.

The annual Schools Science Symposium hosted by Massey's Sports Science and Management staff was a great success. The e-centre continued to develop its CMCTEC business export development operation with CMC in India.

The e-centre relationship with Enterprise North Shore is now stronger with a number of jointly-run events, such as the hosting of ICT Cluster meetings and other technology innovation events. It is pleasing to finalise the contract to redevelop the space under the Recreation Centre as a bistro-bar premises, and it is expected this facility will open for semester two next year.

Planning was completed on the Library, which went forward in November for approval for commencement of construction. In January tenders close on the 250-bed accommodation village, to be located behind the Recreation Centre.

These facilities will be vital next steps in providing full student facilities on this growing campus. Priorities for next year will be business case developments around further campus facilities and academic programmes, further efforts to raise Massey's profile in teaching and research in the region, and a continuing focus on student services and satisfaction.

Professor Ian Warrington

Deputy Vice-Chancellor
(Palmerston North)



It has been particularly pleasing to see the culmination of a number of important building developments on the Palmerston North campus this year.

These included the redeveloped Student Centre, opened by the

Prime Minister Helen Clark, on 22 February; the Equine and Farm Services building, opened on 27 February by Agriculture Minister Jim Anderton; the new look Wharerata, launched with a garden party on 11 March; the Hopkirk Research Institute, opened by Research, Science and Technology and Crown Research Institutes Minister Steve Maharey on 23 March; and the Manawatu Microscopy Imaging Centre, also opened by Helen Clark, on 28 August.

Indicative of the high standards of the new environments which have been created, the various building projects have received a number of architectural design awards.

The unlimited access bus scheme achieved a highly commended award in the Energy Efficiency and Conservation Authority "Energywise" awards.

The wider campus environment has also received attention through the Massey Hill beautification project.

The campus has had a number of significant events to celebrate during the year: Graduation ceremonies saw honorary doctorates conferred upon Associate Professor Peter Snell, Paul Dibble and Tumu Te Heuheu.

The University was the major sponsor of the highly-successful Da Vinci Machines exhibition at Te Manawa, which broke attendance records and provided an excellent opportunity for the university to link with its community, particularly schools.

The biennial Manawatu Standard Business Awards, held on 4 September, showcased Massey as one of the region's major players.

Services to our students were also enhanced. Our many student-focused activities started with the "Let's Get Going" programme for first-year and halls of residence students, and 1100 people took part in the Commencement Ceremony and Dinner on 19 February.

Mid-year saw campus Open Days attract more than 1500 visitors. The Academy of Sport, launched for the year on 14 March, has been successful in supporting elite and emerging athletes.

Next year we will continue to enhance the attractiveness of the campus, provide appropriate physical infrastructure, to improve the campus experience for students, and to work with local agencies to achieve a credible "Student City" focus.

Warm wishes for an enjoyable and relaxing festive season.

Professor Andrea McIlroy

Deputy Vice-Chancellor
(Wellington)



This year we have welcomed increasing numbers of school leavers and postgraduate students to the Wellington campus.

We now have some 66 doctoral students and a 27 per cent increase

in postgraduate students overall.

The growing research reputation of the campus is underpinned by world-class research centres such as the Centre for Māori Health and Development, which won the University's team research award and the Centre for Public Health Research whose head, Professor Neil Pearce, won the individual researcher award.

Health research and practice has been a real focus this year, with the visit of Dr Peter Snell, the announcement of the first two Peter Snell doctoral scholars and the enthusiastic participation of campus staff in the 10,000 Steps programme in which a local RFM team took top honours for the University.

I recently hosted 27 regional secondary school principals on campus. This was the high point of a year of increased interaction with schools, during which I visited 21 principals and established four school-leaver scholarships for schools in the Porirua Basin. Te Tumatakuru O'Connell, who was appointed Te Kaiwāwao at the beginning of the year, has increased our interactions with the Māori community.

Our engagement with the region has also been fostered by the increased number of campus events, culminating in the College of Creative Arts Blow festival which blew the minds of all of us. Another initiative was the introduction of Uniguides at Orientation.

The New Zealand School of Music, our joint venture with Victoria University, increased its EFTS by 12.5 per cent and received a big boost when it was granted \$11.15 million by the Government and \$1.5 million from the McCarthy Trust for its new building.

This is to be located on the Ilhot Green and will complete the Civic Square complex of buildings.

Another significant event was the official opening of Ako Aotearoa, the national tertiary teaching excellence centre, a government-funded consortia of seven tertiary institutions centred on our Wellington campus.

The most visible project has been the removal of a number prefabs and construction of stage one of the Information Services Centre. We look forward to the start of stage 2, the new Library.

Other important developments include the opening of the Pasifika room and the relocation of the Whanau room and the room for students with disabilities.

Following last year's refurbishments for the College of Sciences, this summer's upgrade focuses on enhancing College of Business facilities on levels D and F in Block 5, which should be completed for the start of semester one, 2008.

Seeing the calibre of the nearly 40 staff nominated for our inaugural Service Excellence Awards, reminds me what a great bunch of people we work with on the Wellington campus.

Graduation November

Record 26 new doctorates capped in November

Beverley Judith Edlin – Doctor of Business and Administration

Dr Edlin examined a board of directors who were perceived by business professionals as being an effective decision-making group. Using directly observed board deliberations, her thesis provides a descriptive view of board activity. The thesis challenges currently held theoretical perspectives of board behaviour by advocating that pooling and sharing information transcends opportunism. It advocates that board effectiveness reflects the role that the board adopts for itself.

Timothy Angus Burgess – Doctor of Education

The school mathematics curriculum is undergoing significant changes with regard to the teaching approaches being advocated, and consequently little is known about what knowledge teachers need and actually use while they are teaching statistics. Dr Burgess' research explored teacher knowledge needed for teaching statistics through investigations at primary school level and has important implications for both initial teacher education and professional development of practising teachers.

Cynthia Margaret Prince – Doctor of Education

Dr Prince investigated the creation of a community of learners, comprising teachers, children and parents, to integrate environmental education within an early childhood curriculum. Her research found that the creation of a community of learners resulted in the participants creating their own environmental knowledge and gaining a heightened awareness of the importance of environmental education as an integral part of an early childhood curriculum.

Judie Alison – Doctor of Philosophy in Education

Dr Alison studied government and teacher union documents, and interviewed policy-makers, academics, union activists and 13 teachers who had taught throughout the 1980–2002 period. Her research explored the shift from norm-referenced to standards-based assessment for New Zealand school qualifications during this time.

Among its findings, the research showed that qualification reforms that might have

easily been welcomed by the education profession were instead, largely rejected by teachers.

Ee Kheng Ang - Doctor of Philosophy in Social Policy

Dr Kheng investigated why New Zealand mothers who have returned to paid work typically have jobs with fewer career prospects and lower pay than they had before having children.

Dr Kheng conducted interviews with a sample of returning women, and undertook a nationwide questionnaire survey of employers, also assessing government assistance to help women return to full-time work. Findings included that returners found it difficult due to employers' views about their suitability for careers. Dr Kheng also found that government support was insufficient and policy recommendations about types of assistance that would help mothers combine parenthood and continue a career conclude the thesis.

Janet Lorraine Bashford – Doctor of Philosophy in Psychology

Dr Bashford addressed the absence of an empirically-verified screener for reliable and opportunistic detection of current and potential harmful cannabis use. Her research also provided information on the nature, prevalence, severity and history of cannabis-induced problems in adolescent and adult New Zealanders.

Dr Bashford assessed participants' responses to the cannabis use problems identification test, with two primary subscales emerging and demonstrating a highly significant ability to discriminate diagnostic subgroups on the problem severity continuum. After 12 months Dr Bashford found highly significant longitudinal predictive ability for diagnostic group membership. It is now feasible to develop a predictive opportunistic screening and early intervention approach to cannabis use problems pervasive among users.

Margaret Anne Brown – Doctor of Philosophy in Education

Dr Brown's research focused on how schools implement the middle schooling concept. The research arose from a need for New Zealand-based information on the formation of new middle schools, as a growing number

of communities consider the middle schooling option for years 7–9 students. Findings showed that implementing such a concept would involve challenges of a nature and scale presented by few other innovations.

Janis Lindsay Carroll-Lind – Doctor of Philosophy in Education

A national representative survey of more than 2000 children aged 9–13 years examined children's perceptions of the prevalence, incidence, and impact of violence expressed or witnessed by them and explored factors that might reduce its impact. Results showed emotional violence had a greater impact on children than physical violence. Witnessing violence was more prevalent and, except for sexual victimisation, also had a greater impact than direct violence.

Aurelie Rose Jeanine Marie Castinel – Doctor of Philosophy in Veterinary Pathology

Dr Castinel investigated causes of neonatal mortality in the New Zealand sea lion, which is an endangered species endemic to New Zealand. The research used necroscopy and clinical data collected on the sub-Antarctic Auckland Islands from the 1998/99 to 2005/06 breeding seasons.

Dr Castinel's research focused on two major aspects: parasitic infection of the pups with intestinal hookworms and bacterial epidemics that caused high pup mortality for two consecutive seasons. The work provided the first taxonomic description of the hookworm *Uncinaria*.

The two bacterial epidemic seasons were caused by a strain of the opportunistic bacteria *Klebsiella pneumoniae*, with findings that showed all the New Zealand sea lions had antibodies prior to the epidemic but the pups were not receiving immune transfer against the pathogen. Dr Castinel's work greatly contributes to the management of this endangered species.

Rogério Cichota – Doctor of Philosophy in Soil Science

Dr Cichota studied the effects of ion-pair adsorption involving sulphate and calcium on the dynamics of sulphur in two New Zealand soils. Results showed that sulphate adsorption is significantly enhanced in the presence of calcium, especially in soils dominated by variable-change components such as allophane.

An adsorption model, containing three mathematical approaches for quantifying the amount of sulphate retained was proposed, with the model performing well for describing

the observed data from both experiments and some literature data. The work showed the extent of ion-pair adsorption is appreciable in allophonic soils and significantly affects sulphate movement.

A pot trial in a glasshouse with intermittent irrigation showed, however, that the effect of ion-pair adsorption on sulphate transport might be restricted to only a few days after fertilisation.

Jean Raeburn Douche – Doctor of Philosophy in Midwifery

Dr Douche explored the discourses constructing women's choice for a caesarean section in the absence of clinical indicators. Data came from the talk and texts of women, midwives, an obstetrician, professional journals and media.

The study affirmed that inscriptions surrounding choices around childbirth are shaped by a multiplicity of discourses. Whether caesarean, as an optional extra, can be explained in terms of a libertarian imperative, an embodiment of lifestyle, the satiation of desire, the attenuation of fear or the avoidance of risk, democratising this choice has exposed a pathologising paradox.

The paradox is where the normal emerges as the abnormal, and the abnormal emerges as the normal.

Annemarie Gillies – Doctor of Philosophy in Māori Studies

Dr Gillies explored Māori health workforce development as a positive determinant for Māori health. An examination of the Māori health workforce programmes in a medical school (Vision 20/20), a well child programme (Tipu Ora), a mental health tertiary bursary scheme (Te Rau Puawai) and a health protection programme provided baseline data that was supplemented by an analysis of historic and contemporary policies and experiences.

Dr Gillies concluded that critical success factors for Māori workforce development include effective Māori leadership, application of Māori values to workplace practices, levels of resourcing compatible with training and development, critical mass and targeted policies and programmes.

The thesis has implications for health and education policies and provides a rationale for a workforce to effectively engage with Māori communities.

Marcus Kirchberg – Doctor of Philosophy in Information Systems

Dr Kirchberg investigated the integration

of traditional database concepts, database query languages and object-oriented programming languages into a uniform database programming language. While existing languages mainly adopt an embedded approach, integrated approaches are superior in performance, resource consumption and usability.

Dr Kirchberg developed an intermediate-level database programming and query language, and a suitable run-time environment, permitting an efficient and effective evaluation of an integrated language in a distributed database environment. The results are likely to impact on the practice of future database management systems.

Adrian Peter Knack – Doctor of Philosophy in Electronics and Communication Engineering

Dr Knack investigated if, and under what circumstances, high temperature superconductivity technology improves cellular communication. By developing a cryogenic receiver Dr Knack was able to analyse field tests to investigate the performance of superconducting filters.

A code-division multiple access uplink model was developed to analyse diverse environmental situations and compare different front-end technologies.

Findings suggest that high temperature superconducting filter technology can be useful in current day cellular networks, however due to its high cost it is only justified in certain locations. High temperature superconducting filter technology may be of great importance in the design and implementation of future spectrum-friendly wireless communications systems. Dr Knack proposed novel applications of his work in his thesis.

Hayden George Lawrence – Doctor of Philosophy in Agricultural Engineering

Dr Lawrence investigated the adoption of precision agricultural technologies for fertiliser placement, beginning by examining current statistical validity of fertiliser spreader systems.

A GIS methodology was developed to map levels of field nutrition from spreading vehicles, then the economic effect of spreading fertiliser with and without use of precision technology was evaluated. Dr Lawrence highlighted the difficulties in achieving accurate field nutrient application.

He found that by developing the ability to quantify field performance economic opportunities could be evaluated. There was a strong economic and agronomic case for implementing precision agricultural technologies in New Zealand, but the

agronomic and economic benefits would be difficult to deliver given the current equipment used within the agriculture industry.

Tai-Yu Lin - Doctor of Philosophy in Information Systems

Dr Lin's thesis led to the development of a cognitive trait model, which offers an innovative student modelling approach. The model is a domain-independent and persistent student model suitable for the practice of lifelong learning and student-oriented learning systems.

Working memory capacity, inductive reasoning ability and divergent associative learning are the three cognitive traits used in the model, which uses online learning behaviours to investigate these traits. The model can be used by adaptive virtual learning environments to tailor the learning materials to the cognitive traits of students.

Evaluations using psychometric tools proved the effectiveness of the modelling and revealed important insights about the three traits.

Jeremy Stewart McLeod – Doctor of Philosophy in Bioprocess Engineering

Dr McLeod focused on the nucleation and growth kinetics of alpha lactose monohydrate. Lactose represents about one-third of the solids in cows' milk, and is recovered using crystallisation.

A model has been produced that can predict the changing concentration profile as lactose crystallises from an industrial solution. The primary nucleation of alpha lactose monohydrate was investigated, including identifying the changing relationship as lactose nucleation moves from being dominated by the heterogeneous mechanism to homogenous mechanism.

The effect of mixing was studied using a Rushton turbine and a Venturi to agitate the system. Increasing agitation increased the frequency of activated molecular collisions, but the critical nucleus size remained constant. A strong correlation was found, for both mixing systems, between the nucleation rate and the frequency of vortex shredding.

Hasmukh Ambalal Patel – Doctor of Philosophy in Food Technology

Dr Patel investigated the effects of heat and high-pressure treatments on the interactions of individual milk proteins. Many foods, such as pasteurised or sterilised milk, are traditionally preserved using heat treatments, which can often damage vitamins, denature proteins and change the flavour and taste. In contrast, non-

thermal technologies have minimal effects on sensory and nutritional quality.

Dr Patel showed that heat and high pressure have different effects at a molecular level. This knowledge can be applied to modify functional properties of food, and these outcomes can be used to create new products with specific advantages including texture modifications in yoghurt.

Peter Leslie Charles Rawlins – Doctor of Philosophy in Education

Dr Rawlins' research investigated the formative potential of New Zealand's new secondary school assessment system, the National Certificate of Educational Achievement. This thesis used a case-study approach to examine students' perspectives of assessment practices in three Year 12 mathematics classrooms.

The thesis offers practical and theoretical suggestions to improve the integration of formative assessment practices within classroom communities of practice.

Uwe Remminghorst – Doctor of Philosophy in Microbiology

Dr Remminghorst investigated the requirement of two proteins, Alg8 and Alg44, for alginate biosynthesis in the opportunistic human pathogen *Pseudomonas aeruginosa*, which infects cystic fibrosis patients coinciding with fatal prognosis.

In these patients, production of the alginate by *Pseudomonas aeruginosa* is a major factor contributing to high patient morbidity with the secreted alginate matrix allowing formation of extensive biofilms in the lungs resulting in a highly-persistent infection.

Dr Remminghorst showed that both proteins are required for alginate production, and he was able to characterise their membrane topology, subcellular location and catalytic regions. The results of this work were used to generate a model describing a multiprotein complex involved in alginate polymerisation, modification and export.

Jagrati Singh – Doctor of Philosophy in Soil Science

Dr Singh studied the impact of urease and nitrification inhibitors applied alone and in combination with cattle urine and urea fertiliser, investigating the impact of these on herbage production in pastures, nitrogen losses from ammonia and greenhouse gas emissions, and nitrate leaching losses.

While application of urease inhibitor was ineffective in reducing greenhouse gas emissions and application of nitrification

inhibitor increased ammonia emission, combined applications reduced nitrogen losses from both ammonia and greenhouse gas emissions.

Effectiveness of the nitrification inhibitor in controlling nitrification varied with the nature and amount of organic soil matter and clay content. The research also demonstrated that a process-based model could be adapted to simulate the effect of nitrification inhibitor on greenhouse gas emission reductions.

Rochelle Rosemary Stewart-Withers – Doctor of Philosophy in Development Studies

Dr Stewart-Withers studied the development experience of female-headed households in Samoa through a feminist post-development framework and participatory methodologies.

The research showed that female-headed households are not always socially isolated, stigmatised, lacking in agency and the poorest of the poor, contesting many of the ways that female-headed households have been problematised in development scholarship and practice.

This study highlights the importance of culture when attempting to frame the development experiences of female-headed households in any part of the world, and the overall importance of contesting development categories. Shifting beyond a desire to uncritically categorise and label provides a space for envisioning development as a culturally specific, imaginative and opportunistic experience. This shift provides a space for truly seeing the ways that people struggle, often successfully, to create and pursue opportunities.

Marianne Gaye Nicol Tremaine – Doctor of Philosophy in Management

By researching the women mayors in New Zealand, this study examined leadership and leadership theory through their eyes.

The researcher found that the women mayors saw leadership as a process of working with the community to achieve mutually desired goals.

The female mayors were asked to consider the requirements of exemplary mayoral leadership in four areas: being at the centre of webs of people rather than at the top of a hierarchy; having less concern for ego than for working towards change; being committed to making a difference in the community; and being prepared to sacrifice one's own interests for the good of the community.

Dr Tremaine says her findings imply that being concerned to make a difference with and through others, is at the core of leadership.

Binh Trinh – Doctor of Philosophy in Food Engineering

Dr Trinh examined the flow behaviour of milk concentrates, an intermediate product during the manufacturing of milk powder. His research provided new understandings into this vastly complex problem, and showed that it is possible to manipulate the flow behaviour of milk concentrates and thus affect product quality as well as production efficiency. The findings have practical and business implications across the food industry.

Andrea Selena Vosslamber – Doctor of Philosophy in Education

Dr Vosslamber investigated methods of instruction to aid the reading comprehension of year 4 primary school students. Students were trained to implement particular cognitive strategies in order to better understand what they read.

After six months of instruction, trained students were found to be superior to control groups, in their understanding of reading comprehension strategies and in their confidence to perform various reading tasks. The research adds to current understandings of the teaching of reading comprehension.

Martin Woods – Doctor of Philosophy in Nursing

Dr Woods investigated mobile and transitory discourses at play in instances of resistance between parents of seriously ill children and doctors and nurses within healthcare institutions.

The qualitative study provides alternative ways of perceiving and understanding these disagreements. Information was obtained from established literature, media and legal sources, and interviews with parents, doctors and nurses. It was argued that paternal resistance is an omnipresent but transitory occurrence that affects many interactions.

Seeds of this resistance are sown in critical decision-making situations and everyday occurrences. It was proposed that parents who resist treatment for their child illustrate how normative healthcare relationships are codified, constructed and crafted through everyday discourses and practices within healthcare settings.

To read the latest in news from Massey, complete with colour pictures and video clips, or to sign up for one of an expanding range of e-mail newsletters, visit us online: <http://news.massey.ac.nz>

In the news

14 November

The Press, The Dominion Post, The New Zealand Herald, The Manawatu Standard, Waikato Times, stuff.co.nz, Nelson Mail, Westport News, NZ Shipping Gazette, Timaru Herald: Professor **Roger Morris** and a team from the EpiCentre, conducted risk analysis research that has shown a three to 20 times potential for New Zealand pigs to be infected, if rules on importing some uncooked pork from countries are relaxed.

Manawatu Standard: **Virginia Jamieson**, of Development and Alumni, has won third place in the national telephone book art awards; her creation will feature on the 2008 Manawatu phone book.

Northern Advocate: Professor **Bob Hargreaves**, from the Department of Finance, Banking and Property, says rising land and building costs will continue to push house prices up, and even the Government's intervention for first-time home buyers is not enough.

Straight Furrow: Dr **Frazer Allan**, from the Institute of Veterinary, Animal and Biomedical Sciences, says there is no easy cure for New Zealand's shortage in rural veterinarians but the profession is doing its best to look at opportunities to retain graduates in rural areas.

North Harbour News, Howick & Pakuranga Times, Eastern Courier: **Sheryl Bourke**, a doctoral student, will conduct research into what New Zealanders' perceptions of poverty are in relation to recent reports of a growing gap between rich and poor.

Manawatu Standard: **Nick Roskrige**, from the Institute of Natural Resources, says a hangi was held recently to celebrate the achievements of Māori students in the College of Science, including two students who are graduating from the Veterinary Science course.

15 November

RNZ: Dr **David Tripe**, from the Centre for Banking Studies, discusses a recently released report that people are finding life harder as they struggle with rising living costs.

17 November

The Press, The Dominion Post: **Jenny Watson** says a jersey cow on a Wairarapa farm which has lived till the age of 38 is amazing, and something she hasn't come across before, as the average cow lives to only seven years of age.

Manawatu Standard: **Jennifer Bowden**, a Masters student from the Department of Food, Nutrition and Human Health, is researching the health of elderly men who have recently been widowed. As many have not learnt how to cook their nutrition is suffering.

20 November

The Press, The Dominion Post, Radio Live, stuff.co.nz, blogs.zdnet.com(USA), TV3 News, Taranaki Daily News, Otago Daily Times, Bay of Plenty Times, Hawkes Bay Today, Westport News, Greymouth Star, Nelson Mail, Marlborough Express: Dr **Hossein Sarrafzadeh** and a group from the Institute of Information and Mathematical Sciences, have developed a world-first in the e-learning market, a virtual teaching character 'Eve' who can retain the attention of pupils and respond to their reactions and emotions.

North Shore Times: **Debbie Mortensen**, a design student, has created a mat-like board, which is just larger than a skateboard, to promote exercise amongst children with diabetes. The board encourages kids to move in a dance-like way and uses gloves with biosensors that absorbs sweat.

21 November

The Press: Captain **Ashok Poduval**, from the School of Aviation, says a global shortage of pilots means New Zealand will have to change the expectations and processes pilots must meet before they can fly for airlines such as Air New Zealand.

22 November

Manawatu Standard, Waikato Times, RNZ, The Daily Post, Taupo Times, Northern Advocate, Oamaru Mail, Gisborne Herald, Timaru Herald: Paramount Chief of Ngāti Tuwharetoa **Tumu te Heuheu**, has received an Honorary Doctorate of Literature as a recognition for his efforts to promote conservation, world-wide heritage and the advancement of Māori education.

25 November

Herald on Sunday, nzherald.co.nz: Dr **David Tripe**, from the Centre for Banking Studies, says after a recent accusation that banks have caused a tax rort, it is likely that a taxpayer windfall will be matched by increased bank charges in an effort to recoup their losses.

28 November

RNZ, RLI, TV3 Sunrise: **Tom Yu Guan**, an engineering student, has designed a mobile spy cam, called the "Smart Eyes Robot", a remote control car with a cellphone-capable video mounted to it, allowing home owners to keep an eye on their houses when away from home.

NZ Listener: Dr **Bryan Walpert**, from the Department of English and Media Studies, has been awarded the Royal Society of New Zealand Manhire prize for creative science writing. The theme of the competition was climate change.

Research Funding News

<http://www.massey.ac.nz/massey/research/fops/fo.cfm>

Contact Information:

For advice and assistance regarding funding applications, please contact your College Research Development Advisor:

College of Business

College of Humanities and Social Sciences

College of Creative Arts

Dr Victoria Bradley, v.j.bradley@massey.ac.nz
ext 81327 or 027 538 5338

College of Sciences

College of Education

Dr Kate Arentsen, k.arentsen@massey.ac.nz
ext 81326 or 027 544 7354

Auckland Adviser

Jo Stone, j.d.stone@massey.ac.nz
ext 9533 or 027 233 6333

Health Research Council – 2007 Round

Eustie Kamath, e.kamath@massey.ac.nz
ext 81344 or 021 387 843

For assistance in accessing funding opportunities or to receive Funding Opportunities Database training, please contact:

Research Funding Co-ordinator

Diana Young, d.m.young@massey.ac.nz
ext. 81341

Key Internal Milestones for the 2008 Marsden Fund Round

Up to 17 January 2008: Applicants submit a draft abstract to their College Research Development Advisor for review.

17, 18, 23 January 2008 (location to be advised):

Peer review workshops held in Albany, Palmerston North and Wellington to provide feedback on the one page abstract to those submitting.

By 18 Jan 2008: Any applicants withdrawing must advise their College Research Development Advisor.

21 Jan 2008: Applicants complete their final online version of the preliminary proposal.

22 - 28 Jan 2008: Research Development Advisors check all proposals and inform applicants of any corrections needed.

4 Feb 2008: Applicants mark the online version as complete.

12pm 4 Feb 2008: Applicants submit one signed copy of the application to RMS to obtain the University signature on the declaration page. RMS will photocopy and dispatch the applications to RSNZ.

7 Feb 2008: RMS submits the online version of proposals to RSNZ.

8 Feb 2008: Hard copy of proposals due at RSNZ.

23 April 2008: Results of preliminary proposal stage announced

* An expression of interest must contain:

- Name of the principal investigator
- Fast Start or Standard application
- Absence during application period

Overview

The Marsden Fund was established in 1995 with the object of supporting excellent researchers and research. The Marsden Fund supports research excellence in science, technology, engineering and maths, social sciences and the humanities. Emphasis is placed on originality, high quality investigator-initiated research, encouraging the best researchers, including emerging researchers, and raising the international profile of New Zealand research.

Application Process

The Marsden Fund has a two stage application process. In the first stage, applicants are required to submit a short preliminary proposal, which contains a one page abstract of their proposed research project.

Preliminary proposals for 2008 are to be submitted on the web-based system, Proposals On-Line. Use of the system is mandatory and researchers should write their proposals directly into Proposals On-Line using the forms and templates provided. Please contact Dr Kate Arentsen for log-in details for Proposals On-Line.

Please note that in addition to submitting a proposal through the web using Proposals On-Line, paper copies will still be needed. The system has a

document printing facility which should be used to print the final version of the proposal.

The preliminary proposals are assessed by one (or two) of nine discipline-based assessment panels. The panels are:

Biomedical Sciences; Cellular, Molecular and Physiological Biology; Ecology, Evolution and Behaviour; Economics and Human & Behavioural Sciences; Earth Sciences & Astronomy; Humanities; Mathematical & Information Sciences; Physical Sciences & Engineering; Social Sciences.

The key selection criteria used by the panels are:

- the merit of the proposal (originality, insight and research excellence);
- the potential of the researchers to contribute to the advancement of knowledge;
- the contribution to the development or broadening of research skills in New Zealand, particularly those of emerging researchers.

Applicants selected to go through to the second round are invited to submit a full proposal by the 28th May 2008.

Types of Proposal

There are two types of proposal that may be submitted to the Marsden Fund: Fast Start proposals for emerging researchers and Standard proposals.

Fast Start proposals – Changes for 2008

The purpose of the Fast Start programme is to support excellent research by promising individuals and to give an impetus to their careers by promoting them as sole Principal Investigators in their own research programmes. The Fast Start programme is for people early in their research career. For researchers who have been continuously engaged in research since the completion of their PhDs, eligibility for Fast-Start funding is restricted to those who have been awarded their PhD at any time since the beginning of 2001. For those who obtained their PhD after commencing their research careers or do not have a PhD, and who have been continuously engaged in research, eligibility is restricted to those who began working in 1998.

It is no longer mandatory for an applicant to have a permanent position, but the applicant must be employed for at least the duration of the grant in a position that allows him/her to develop an





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independent research career.

The level of funding for Fast Start proposals has changed for 2008. Applicants can now apply for up to \$100,000 per year (GST inclusive) for research programmes lasting up to 3 years.

Standard proposals

Standard proposals are typically funded for a minimum of three years. Levels of funding vary; in 2007, standard proposals were funded at a level of \$70,000 to \$300,000 per year. The average size of awards was \$210,000. However, the cost of the project is not considered until the full proposal stage.

Number of Proposals Per Person

An applicant may be involved in one proposal as a Principal Investigator per funding round and in only two Preliminary Proposals in total per funding round, either as a Principal Investigator on one and an Associate Investigator on another, or as an Associate Investigator on two proposals.

Marsden Fund Roadshows

The Royal Society of New Zealand is launching the 2008 Marsden Fund round with a series of roadshows at NZ universities and Crown Research Institutes. The roadshows are designed to give an overview of the Marsden Fund and advice on writing a successful proposal. The roadshows are an invaluable source of information for academics wishing to apply for a Marsden Fund research grant in 2008.

Events

<http://events.massey.ac.nz>

AK – Wednesday 5 December to Friday 7 December 9.00am to 5.00pm

Joint New Zealand & Australian Nutrition Societies Conference

The aim of this conference is to examine the concept of idyllic lifestyle: what is meant by an idyllic lifestyle, do we have an idyllic lifestyle, what are the advantages and disadvantages of it? How healthy is the food supply, what is happening to immune function, what is happening to the health of our children, is the quest leading to additional

stress? We will also hear about the latest research in micronutrients including vitamin D and omega 3's, and lifestyle diseases including cancer, diabetes. This conference is the only truly scientific nutrition conference held in New Zealand annually and has a focus on the science, research and data behind this claim.

<http://nutritionsoc-conference.massey.ac.nz/>

Venue: Sir Neil Waters Building, Massey University's Albany Campus, Auckland, New Zealand

Contact: Christophe Matthy

Ph: 09 4140800 ext 41185

PN – Wednesday 5 December to Friday 23 November 5.15pm

Inaugural Professorial Address - Professor Mike Hedley

Professor Mike Hedley: "Nutrient Cycling Uncovered – Rhizosphere, Ruminants and Rubbish"

Wednesday 5th December, 5.15 pm, AH.1, Ag/Hort Lecture Block, Turitea Campus

"Nutrient Cycling Uncovered – Rhizosphere, Ruminants and Rubbish" is the fourth of the Inaugural Professorial Addresses being hosted by Massey Agriculture in 2007.

Mike Hedley has recently been promoted to Professor of Soil Science as part of Massey University's continuing commitment to agriculture. Mike started at Massey University in 1975 and enjoys teaching soils to undergraduate students as well as being supervisor to many New Zealand and international postgraduate students. He will talk on why we should be aware of local and global perspectives of nutrient cycling.

To be followed by refreshments,

Venue: AH.1, Ag/Hort Lecture Block

Contact: Denise Stewart

Ph: 06 350 5996

WN – Monday 10 December to Wednesday 12 December 8.30pm to 4.00pm

Jeanz conference, 2007

Keynotes speakers: Bethany McLean, Tim Pankhurst

Jeanz (Journalism Education Association of NZ) is holding its annual conference at Massey's Wellington campus this year, hosted by the Dept of Communication and Journalism.

This is the premier journalism conference in New Zealand for 2007. Journalism academics, researchers, practitioners and major keynote speakers will be meeting in Wellington to discuss the challenges faced by both journalists and journalism educators today.

The international keynote speaker will be Bethany McLean, the New York-based financial journalist who helped expose the corrupt Enron, a vast energy company that collapsed in 2001. Ms McLean co-wrote *The Smartest Guys in the Room: The Amazing Rise and Scandalous Fall of Enron*, later made into an Academy Award-nominated documentary, in which she appears.

To learn more about the conference and to register, please visit our conference website: <http://communication.massey.ac.nz/jeanz.html>

Venue: Room 4C09, Wellington Campus

Contact: Dr Grant Hannis, Head of Journalism

Ph: 04 801 5799 ext 6378

AK – Monday 10 December 12.00pm to 1.00pm

Optimal Disclosure and Operational Risk: Evidence from Hedge Fund Registration

Prof. Stephen Brown

Required disclosure is a regulatory tool intended to allow market participants to assess manager risks without constraining manager actions. We use the recent controversial and ultimately unsuccessful SEC attempt to increase hedge fund disclosure to examine the value of disclosure to investors. By examining SEC mandated disclosures filed by a large number of hedge funds in February 2006, we are able to construct a measure of operational risk distinct from market risk. Leverage and ownership structures as of December 2005 suggest that lenders and hedge fund equity investors were already aware of hedge fund operational risk characteristics.

Wharerata

venue • cuisine • events

Wharerata Big Breakfast

Thursday 20 December 8am-9am \$14 pp. Get your workmates together and come over for a tasty breakfast including a complimentary Xmas mince tart.

Homemade Christmas Cakes and Shortbread

Place your order for collection closer to Christmas or come across to the café to purchase now. Cakes are available in two sizes - small \$30 or large \$50. These are un-iced so you can ice with your own favourite recipe. Shortbread \$5 for a bag of 20 pieces.

Christmas Menus

We have a range of Christmas BBQ and buffet menu's to suit your budget.

For information and reservations contact Helen on 350 5088 or email h.poole@massey.ac.nz

However, operational risk does not mediate the flow-performance relationship, suggesting that investors either lack this information, or they do not regard it as material. These findings suggest that any consideration of disclosure requirements should take into account the endogenous production of information within the industry, and the marginal benefit of required disclosure on different investment clienteles. <http://pages.stern.nyu.edu/~sbrown/>
Venue: NW 200 map
Contact: Rochelle Hughes
Ph: 09 441 8176

If you wish to register an event please use the online events submission form at <http://events.massey.ac.nz>. For other event enquiries please contact a campus events coordinator or email events-admin@massey.ac.nz.

Scholarships and Bursaries

<http://awards.massey.ac.nz>

A Snap-Shot of Scholarships Closing December & January 2007: full information about these scholarships and all others scholarships can be found on <http://awards.massey.ac.nz/>

Undergraduate

Rotary Club of Port Nicholson Goal Setter Awards – closing 7 December 2007

The Kate Edger Educational Charitable Trust Final Yr First Degree Award – closing 17 December 2007

The Kate Edger Educational Charitable Trust Bachelor (with Honours – Year 4) Degree Award – closing 17 December 2007

Business and Professional Women - Hibiscus Coast – closing 20 December 2007

Massey University Extramural Undergraduate Scholarships – closing 31 January 2008

Massey University Undergraduate Scholarship – closing 31 January 2008

Reserve Bank of New Zealand Māori & Pacific Island Scholarship in Economics, Finance and Banking Studies – closing 31 January 2008

Postgraduate

Joe Walding Memorial Bursary – closing 1 December 2007

Kitchener Memorial Scholarship – closing 1 December 2007

Department of Conservation Southland Visitor Research Grant – closing 7 December 2007

Rotary Club of Port Nicholson Goal Setter Awards – closing 7 December 2007

BRCSS Masters Research Awards – closing 10 December 2007

Top Achievers Doctoral Scholarships – closing 12 December 2007

Tourism Research Scholarships – closing 14 December 2007

NZ Institute for Crop & Food Research Ltd Statistics Scholarship – closing 15 December 2007

The Kate Edger Educational Charitable Trust Bachelor (with Honours – Year 4) Degree Award – closing 17 December 2007

The Kate Edger Educational Charitable Trust Masters Degree Award – closing 17 December 2007

The Kate Edger Educational Charitable Trust Postgraduate Diploma Award – closing 17 December 2007

Business and Professional Women - Hibiscus Coast – closing 20 December 2007

Reserve Bank of New Zealand University Scholarships – closing 16 January 2008

IVABS Masterate Scholarship in Veterinary Pathology (wildlife) – closing 30 January 2008

Matt Whyte Postgraduate Research Grant – closing 31 January 2008

Sir Alan Stewart Postgraduate Scholarships – closing 31 January 2008

BioCommerce Centre - Massey University Commercialisation Scholarship – closing 31 January 2008

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Correction: An error of phrase in Massey News issue 18 wrongly suggests that Michael Irwin teaches at the Auckland College of Education - this should have read 'the Auckland-based School of Education Studies'.



November Graduation

Graduands and their families converged in Palmerston North for another record breaking spring graduation with 26 new doctorates capped from various areas of study. Guest speakers at the ceremonies were: Tertiary Education chief executive Janice Shiner at the morning ceremony and Business New Zealand chief executive Phil O'Reilly in the afternoon.



Associate Professor Cheryl Benn with new midwifery PhD Dr Jean Douché, and Dr Suzanne Pibbbs from the School of Health Sciences.



Chancellor Nigel Gould with Congolese graduates of the Certificate in Intermediate English for speakers of other languages Houssene Kikhouna-Ngot and Auguste Mimbi Moeue.



Newly capped Doctor of Philosophy in food engineering Dr Binh Trinh (right) celebrates with his family, from left: Zin Zhao, Thu Trinh, Huong Tran and Dr Tuoc Trinh from the Institute of Food, Nutrition and Human Health.



Certificate in Intermediate English for speakers of other languages graduate Sree Devi Aungpally is pictured with friends Yamma Erva (left) and Anitha Baldu (right).