



Massey University

Massey News

Auckland • Palmerston North • Wellington • Extramural

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ki Pūrehuroa



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Professor Harjinder Singh and Professor Paul Moughan with Massey research medal winning team from the Riddet Centre in 2005.

Riddet Centre to share Government's \$200m funding for research excellence

Massey now hosts two of the seven national Centres for Research Excellence, its Riddet Centre the only new addition to share in the \$200 million special Government research funding announced last week. The Riddet Centre, a collaboration in fundamental sciences research with two other universities and two crown research institutes, joins the Allan Wilson Centre for Molecular Ecology and Evolution, which has had CoRE funding since 2002.

Together they will receive just over \$38 million in operating funding over the next six years and more than \$3 million in capital funding. Riddet Centre co-director Distinguished Professor Paul Moughan says the work of the centre has been recognised internationally for several years as at the forefront of food industry research, resulting in more than \$20 million of external funding. He predicted the new backing would make it the undisputed world leader.

University Vice-Chancellor Professor Judith Kinnear says she is delighted that the AWC, has retained its status and that the Riddet Centre has been selected as a new CoRE.

"The Riddet Centre has been remarkably successful to date, and the CoRE funding is going to place allow it to place even more emphasis on the fundamental science that is so important to the food industry. The research produced at the Riddet Centre ultimately leads to applications for the food industry. That's critically important for New Zealand given the importance of the food industry to the national economy. The Riddet Centre

will join a select group of outstanding research institutions focusing on the food industry worldwide."

Professor Kinnear says our successful applications to receive CoRE funding is a reflection of Massey's contribution to the fundamental sciences.

"This is really an acknowledgement of what Massey does very well – sciences that relate to the land-based industries. The CoRE concept has been really creative and it's great to see the Government continuing its commitment to funding CoREs. Through them we have established a critical mass with collaboration between researchers from a number of different institutions.

"The Allan Wilson centre has been doing outstanding fundamental research in the area of evolutionary biology that has given insights into the prehistoric fauna in New Zealand and I'm delighted that this group has assurance of funding to continue its cutting-edge work involving DNA sequencing."

The first seven CoREs were established by the Government in 2002-03 to encourage development of research by providing incentives for researchers to contribute to New Zealand's future development, conduct world-class research and work inter-institutionally. Massey hosts the Allan Wilson Centre for Molecular Ecology and Evolution and is partnered in this CoRE by Auckland, Otago, Canterbury and Victoria

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\$11m pledge for music school HQ in Wellington

Tertiary Education Minister Dr Michael Cullen has hailed the New Zealand School of Music partnership between Massey and Victoria universities as an example of an outcome the Government wanted from its education reforms.

Announcing the Cabinet's agreement to contribute \$11.15 million to the school's plan for a \$40 million purpose-built home in Wellington's Civic Square, Dr Cullen said partnerships help build critical mass in teaching and research.

"They help to develop capability and they help to cut duplication.

"The partnership between Massey and Victoria to create the New Zealand School of Music fits those aims neatly."

Established as centre of musical excellence in 2005, the school has been formally operational since January last year.

It has about 300 students – a number Massey Deputy Vice-Chancellor (Wellington) Andrea McIlroy predicted would increase with a central city base.

Dr Cullen's announcement was made at a Beehive function to mark the school's first graduates.

The building plan has support of local MPs from all parties and backing from the Wellington City Council, which will provide the \$5 million former Circa Theatre site.

Private donors have also pledged assistance.

Victoria Vice-Chancellor Professor Pat Walsh said a purpose-built home would enable the school to achieve the full benefit envisaged by the partnership.

Professor McIlroy said the central city site was perfect. "Civic Square, so close to the Wellington Town Hall, the Michael Fowler Centre and other performance venues, opens the doors for enhanced collaboration with organisations such as the New Zealand Symphony Orchestra.

"Its location will also bring more students into the inner-city and enliven the vicinity socially and economically."

School Director Professor Elizabeth Hudson said the Government's backing meant that fundraising efforts could now begin in earnest.

"To achieve the ambition of the school, it has quickly become clear a new building is not window-dressing, but an absolute necessity. A single space within which to operate will not only mitigate the challenges of working across two universities, but will realise our vision for collaboration.



Architect's impression of the proposed site at Civic Square.

"Through student presence and through staff and student performances, we can contribute to the cultural and economic development of Wellington."

Dr Cullen told this year's graduates at the inaugural graduation function they were following earlier graduates with inspiring stories. Examples included Madeleine Pierard, who won the 2005 Lexus Song Quest, and the jazz students from the Conservatorium of Music who formed Trinity Roots in 1998.

"New Zealanders want us to be a creative nation; one that celebrates those who express what's special about us through their creativity. New Zealanders want to take pride in who we are. That is what national identity is all about. It's why this government made national identity one of our core themes, along with families young and old, and economic transformation.

"Our creativity is expressed through many forms, and the talent of our music graduates provides many shining examples.

"I am sure the future for the school in new accommodation will help to foster more of our talent. Those who study in the new facility will follow the pathway trod today by the graduates we are celebrating here tonight. So I wish you every success in bringing together your new facility. I wish the school all the best for the future. And I wish graduates every success in their creative endeavours."

Health Research Council funds Massey projects

The University is to receive \$5.6 million in research funding from the Health Research Council of New Zealand's annual funding round. Te Pumanawa Hauora, the Māori health research programme, gets \$2.3 million, with other Māori health programmes allocated \$2 million and further projects receiving \$1.3 million.

Vice-Chancellor Professor Judith Kinnear congratulated all the groups to receive Health Research Council (HRC) funding, saying it was a testament to the University's recognition of the importance of research. "It is part of our role in offering research training in a research-active environment and part of our commitment to advancing fundamental knowledge and applying this knowledge to benefit communities and the nation."

Te Pumanawa Hauora has been running since 1993, and the HRC funding supports the second half of a six-year programme. Centre Director Chris Cunningham says the team is really excited to be able to continue its work.

"The new funding will allow research to continue into particular programmes around child health, health of older people and mental health, as well as contributing to building Māori research capacity. Where work goes next includes examining the relationship between physical activity and ageing ... what makes for good health as you age as a Māori person?"

Work on children's health will move to a pilot study of about 400 children and young people in the Bay of Plenty, both speakers and non-speakers of Māori language, using a self-assessment questionnaire to

see how children and their families feel about their health.

"We know there is a relationship between your self-assessed health status and health outcomes," Dr Cunningham says. "We want to see how children rate their health and what things they consider important."

Other projects to receive funding are:

- The Whariki Research group receives \$852,482 for work on the health implications of conferred privilege and structural advantage, and \$813,650 for research into media, mental health and wellbeing in New Zealand.
- The School of Sociology, Social Policy and Social Work receives \$897,876 for a four-year longitudinal study of people with spinal cord injury.
- The Sleep/Wake Research Centre receives \$149,962 for a 12-month feasibility study on sleep during pregnancy and postpartum and its relationship with maternal mental health.
- The Allan Wilson Centre for Molecular Ecology and Evolution, a Centre of research Excellence hosted by Massey University, receives \$132,000 to work on eukaryotic signature proteins.
- The Institute of Information and Mathematical Sciences receives \$142,000 for a 12-month study of New Zealander's attitudes to electronic health records.
- The School of Health Sciences project researching nursing and Māori patient outcomes receives \$311,620 for a 15-month study.

Queen's Birthday honours for senior academics

Two senior academics have been awarded Queen's Birthday honours for their services to education. Professor David Mellor is named as an officer of the New Zealand Order of Merit (ONZM) and Emeritus Professor John Codd becomes a member of the New Zealand Order of Merit (MNZM).

Professor David Mellor is co-director of the University's Animal Welfare Science and Bioethics Centre, and a Distinguished Scientist at the Institute of Food, Nutrition and Human Health. One of five principals of the Riddet Centre, he is also Professor of Applied Physiology and Bioethics and Professor of Animal Welfare Science.

Professor Mellor is a consultant to the New Zealand Department of Conservation, Ministry of Agriculture and Forestry, National Animal Ethics Advisory Committee and National Animal Welfare Advisory Committee. Overseas consulting includes work for the Australian Federal and State animal welfare agencies, the Canadian Council of Animal Care, the UK Department of Environment, Food and Rural Affairs, the Swedish Animal Welfare Agency, the United States Department of Agriculture and the World Organisation for Animal Health (OIE).

Professor Mellor says he is delighted to have received the honour, and is deeply touched that he had been nominated. He takes further reward from watching many former undergraduate and postgraduate students grow into their chosen careers.

"To play some part in that process and help them make the most of their talents has been most rewarding. Regular reports of their successes and satisfaction with the paths their lives have taken has reinforced that pleasure."

Pro Vice-Chancellor for the College of Sciences Professor Robert Anderson says that Professor Mellor's honour is richly deserved. "He has worked tirelessly for the advancement of the understanding of animal welfare and related issues and has managed to generate a worldwide reputation for his efforts."

The official citation for Professor Mellor's honour notes that he is an active teacher, researcher and consultant on animal welfare, and is internationally recognised for his contribution to the humane, ethical and responsible care of experimental animals. He received the New Zealand Science and Technology Silver medal in 1999 and was made an Honorary Associate of the Royal College of Veterinary Surgeons in 2005.

He received the Massey University Medal for Research Excellence and the Riddet Centre Team Medal in 2005. In 2003 Professor Mellor was elected an associate of the Australian College of Veterinary Scientists Animal Welfare Chapter.



Professor David Mellor.



Emeritus Professor John Codd.

Emeritus Professor John Codd has been named a member of the New Zealand Order of Merit for his services to education. He has been involved with a wide range of educational activities, including as a school teacher, educational psychologist, and academic for over 30 years.

Professor Codd has researched and written extensively in his fields of interest, focusing on educational policy analysis and was active in assisting the merger between the Palmerston North Teachers' College and Massey University where he served as a staff member from 1974 – 2006. He also served as an academic representative on the University Council.

College of Education Pro Vice-Chancellor Professor James Chapman says the honour for Professor Codd is extremely well-deserved. "He is one of New Zealand's foremost scholars in the field of educational policy analysis and has made significant contributions to education in general, and particularly at a university level."

Professor Codd has had more than 70 articles and book chapters published in national and international journals. He wrote *Knowledge and Control in the Evaluation of Educational Organisations*, *Philosophy; Common Sense*, and *Action in Education Administration*. He was a member of the New Zealand Association for Research in Education and the Philosophy of Education Society of Australia.

At graduation ceremonies in 2006, Professor Codd gave an address to graduates in Palmerston North. Citing a Massey University research report released by the Education Ministry and Teachers' Council that found teachers felt overworked, undervalued, underpaid and insufficiently supported, he told graduates that as professionals they had to trust in each other and cooperate to regain the respect of the wider community.

The same report had found that many teachers had low opinions of the ability and performance of their colleagues. Professor Codd said it was urgent that society found ways to value education professionals more highly and that as teachers themselves, there were ways they could help achieve this.

"Collective action is more effective than isolated individual effort," he said. "Professional educators must have the confidence and trust in themselves to make those judgements and to be prepared to justify them to those who are so affected."

The veteran education specialist described those entering teaching as having taken on a task "essential to human survival itself".

Professor Chapman says that Professor Codd has a strong international reputation for his research in a range of countries. "He has taken the university role of critic and conscience of society very seriously. His critiques have always been very soundly based on careful reasoning and scholarship. Colleagues in the College of Education will be proud of this important recognition."



New leadership for Musac

Massey University School Administration by Computer (Musac) has appointed a new managing director and signed a purchase agreement with Nelson-based software company Soft Option, developer of New Zealand's most widely used timetabling software.

Dr Jeremy Dombroski was formerly the Chief Information Officer of HortResearch in Palmerston North. He has experience in the IT sector, including in the United States, and has held significant leadership and management positions including leadership of software teams.

College of Education Pro Vice-Chancellor Professor James Chapman says he is confident that Dr Dombroski will provide strong leadership for Musac as it enters a new phase of development, including the Soft Option purchase, and the divestment of the Central and Net Solutions units, including 'Symphony Suite' – a next generation platform for school administration modules.

"The Soft Option 'Timetable Suite' is a great programme that sits naturally with Musac products and strengthens the University's commitment to seeing the company lead the school administration software market," Professor Chapman says.

The completion of the purchase follows two years of discussion between the two companies.

Musac was established in 1988 is based at the College of Education and is the nation's largest school administration software provider, with agents throughout New Zealand.

Mobile computing centre launched

The Centre for Mobile Computing was launched in Auckland this month and formalises the initiatives of researchers in the Institute of Information and Mathematical Sciences at the Auckland campus who have taken the lead in building New Zealand's capability in mobile computing.

Researchers say the days where people will want access to computing on the move, and use their mobile phones as a computing tool, are already upon us. Mobile computing research at the campus dates back to 2004.

The director of the Centre for Mobile Computing, Professor Tony Norris, says the official launch demonstrates a commitment by the University to taking a significant role in research in this field.

Research interests have expanded to include mobile business involving mobile supply chain applications and customer relationship management.

Research into applications of mobile computing in the health arena are focused

on aspects of chronic disease management including information, disease monitoring and treatment and support for carers.

Chief executive of Tūan, Ernie Newman was guest speaker at the launch and said the establishment of the centre was a powerful and timely signal from the University.

"We in New Zealand need to accelerate the transformation of our ICT sector from being largely a sales outpost for the giant ICT multi-nationals, into a part of the economy that contributes new thinking and development in this space on a large scale, utilising Kiwi innovation.

"This in turn will enhance community and business awareness of the technology from an end user perspective, and thus strengthen uptake right across our economy." Mr Newman applauded the Massey research team for their focus in business, health and education.

"I see enormous potential in each of these three fields to contribute solutions to some of the great social challenges of our times."

Capsule breaks new ground in sport science

Researchers are breaking new ground in sports science with the use of tiny ingestible wireless capsule capable of measuring core body temperature. It's believed to be the first time these thermoregulatory sensors have been trialled with sportswomen and certainly a first in New Zealand.

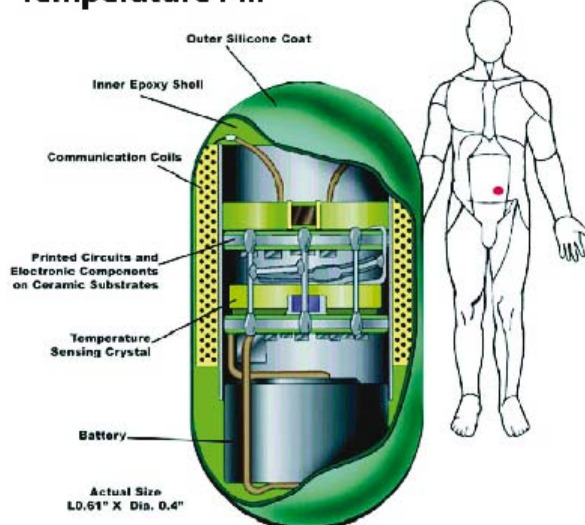
To kick off the study, North Shore-based soccer player Hayley Hoegendyk swallowed the wireless tablet and then took part in a series of soccer performance tests in the Massey Auckland Recreation Centre, where researchers monitored how hot she was getting while undergoing vigorous exercise and how well she was performing.

The trial is the initiative of Massey Sport and Exercise Scientist Dr Ajmol Ali in collaboration with Dr Nick Gant at Auckland University. The wireless devices in tablet form have been trialled by coaches of male soccer players and footballers overseas to monitor body temperature but they have not been used in women's soccer – the world's fastest growing sport.

Dr Ali says although their high performing male counterparts are a well researched group, elite female players need separate study because their physiological responses are likely to be different. Overheating can have serious consequences for sports people, he says, and researchers are seeking to work out when soccer players should be pulled off the field because their core body temperature is too high and when they need fluid for rehydration.

The night before the New Zealand study, Ms Hoegendyk swallowed

Temperature Pill



the tablet before going to bed. The following day, as Ms Hoegendyk went through performance tests in the University's gym Dr Ali and Dr Gant were receiving data direct to their computer from the tablet in her intestine. They say the tablets typically pass through the system within



Dr Janice Wenn.

Māori health specialist shows no signs of slowing – with PhD at

One of the first graduates of Massey's Master of Nursing programme 24 years ago was back on the stage last month receiving a Doctorate of Philosophy in Māori studies.

Dr Janice Wenn, 74, spent much of the past five years researching the views of kaumatua in Taranaki and the East Coast of the North Island to define the concept of Kaupapa Hauora Māori – the optimal health and well-being for Māori.

Dr Wenn (Ngāti Kahungunu ki Wairarapa), whose hapu are Ngai Moe and Ngāti Hinewaka, interviewed people from the eight iwi of Taranaki and Ngāti Kahungunu from Mahia in the North to Matakītiki in the South Wairarapa to produce a framework that can be used in the design and quality assessment of health services.

The practical benefit will be the ability for health providers to better address priorities for improving Māori health.

Her supervisors were Professor Chris Cunningham, Director of Te Pumanawa Hauora, Massey's research centre for Māori health and development, and constitutional lawyer Moana Jackson.

Dr Wenn has an extensive background in the health sector. At the time of graduation with her Master of Nursing from Massey in

1983 (when she was one of two) she was the Chief Nursing Officer of the Taranaki Hospital Board (later area health board). She then worked for Midcentral Health in Palmerston North from 1990–95 as assistant general manager for community health.

She moved to Masterton in 1995 to head the Māori studies unit at the community polytechnic and was head of faculty for Māori studies, Art and Social Services. Two years later she established a Māori provider in community health, Whaiora Whanui, for which she is currently a trustee.

She also spent seven years as a board member of the Wairarapa District Health Board. Throw in a bit of consultancy work and in 2002 she started on her PhD, remaining at home in Masterton but visiting the Wellington campus when necessary.

Despite all that, she has no thoughts of taking it easy. "I'm not retiring; I'd die if I retired. I'm doing some post-doctoral research with a small grant from the Health Research Council and I'm also working with Māori health providers in the Wairarapa and in Taranaki."

Large numbers of whanau and supporters of Dr Wenn (nee Workman) were in Wellington for her graduation and the ceremony to honour Māori graduates.



Fei Wang and Fay Fu. Mr Wang, Bachelor of Engineering Technology, works at Lower Hutt firm Tekron International, who design, manufacture and export GPS time clocks and time synchronization solutions.

Graduates celebrate

Six hundred newly-capped graduates were told they were the gold of the city at recent graduation ceremonies in Wellington.

Deputy Mayor Alick Shaw said students undoubtedly had a positive economic impact on the city, but more importantly they give a city liveliness.

"You just can't imagine Wellington without students," he said as he addressed the new graduates at Civic Square.

"This part of town is going to get more lively, as we are going to build a music school right here. It will transform Civic Square."

Last month the Minister for Tertiary Education, the Hon Dr Michael Cullen, announced \$11 million Government funding towards a new New Zealand School of Music building to be built on Civic Square.

The NZSM is a centre of musical excellence established by Massey and Victoria universities. The first NZSM graduates joined Massey graduates at the Michael Fowler Centre.

Speakers at this year's ceremonies were Director of Art and Visual Culture at Te Papa, Jonathan Mane-Wheoki, and former Parliamentary Commissioner for the Environment Dr Morgan Williams.

Students, families and friends attended the two ceremonies at the Michael Fowler Centre. The first ceremony included graduates from the New Zealand School of Music, the College of Creative Arts, the College of Education, the College of Sciences, and the Centre for University Preparation and English Language Studies.

Graduates of the College of Business, and the College of Humanities and Social Sciences were awarded their qualifications at the second ceremony.

An event to honour Māori graduates took place on 28 May at the Museum Building.

From the speeches



Deputy Vice-Chancellor Professor Andrea McIlroy, Jonathan Mane-Wheoki and Chancellor Nigel Gould.

Jonathan Mane-Wheoki, Director of Art and Collection Services at Te Papa, gave the address at the first ceremony, to graduates of the Centre for University Preparation and English Language Studies, the New Zealand School of Music, and the Colleges of Creative Arts, Education, and Sciences.

He told graduates that their qualifications were the gateway to knowledge.

"The doors of knowledge that were opened by your teachers have brought you to this point, the award of a degree or diploma. The qualification is itself a kind of gateway to the wider world of knowledge and experience, a world in which you will operate as the confident, capable, creative and independent thinkers you were trained to be.

"Ultimately those doors open on to life, to the future, and all the joys and sorrows that lie in wait to be experienced. For the educator, those doors open on to learning and knowledge, discipline-specific systems, theories, processes and practices."

He said of all professions, teaching is the noblest.

"I have always regarded mentorship as a privilege. The joy, the wonder, the magic of teaching is that, as a teacher, you open doors for learners, doors many of them never dreamed existed. For a season the teacher is entrusted with malleable, impressionable and susceptible minds; the teacher is charged with shaping and influencing a future, a life, be that the life of a musician, a composer, a visual artist, a creative thinker, a scientist or a teacher.

"The responsibility is grave but the results can be incredibly rewarding. 'You changed my life,' is the greatest compliment a teacher can receive from a student."

He said Te Papa states as one of its core principles that it is a waharoa, a gateway. As visitors arrive on level two in the museum they encounter this principle in the form of an impressive carved, dark red painted gateway which was the waharoa, or entranceway, to the Māori Pa at the Christchurch International Exhibition of 1906.

"The waharoa stands as a visual metaphor for the worlds of knowledge into which visitors are inducted from this point of encounter at Te Papa. Not just mātauranga Māori (Māori knowledge), but history and Pacific cultures, natural environment and art. Te Papa also invokes the concept of the waharoa on level four of the museum, framing the stairway that leads to the art collection exhibition, *Toi Te Papa Art of the Nation*. Our hope is that, for visitors, the waharoa will open on to a world of joy, of wonder, of magic."



Dr Morgan Williams and Professor Larry Rose.

Dr Morgan Williams, former Parliamentary Commissioner for the Environment, gave the address at the second ceremony, to graduates of the Colleges of Business, and Humanities and Social Sciences.

He told graduates to focus on the long and exciting journey of life that lies ahead, and made two predictions.

"The first is that you will never lose the thirst for knowledge.

"The second is that many of you will be back at universities, or other places of learning, seeking out new thinking skills, new knowledge and how to manage things such as complexity and environmental sustainability."

He described sustainability as the number one language of the 21st century.

"It is the most exciting, challenging and rewarding field to be part of. It will dominate your lives no matter what you do in life.

"In practical terms it's ultimately about how to design business, economic, social, financial, legal systems that enable us to maintain our quality of life within the ecological limits of our planet. The biggest indicator of this need is our changing climates."

Dr Williams shared a story from Paul Hawken's new book, *Blessed Unrest*. The author asked engineers to design a space ship that could leave Earth and return in 100 years with its crew alive, healthy and happy.

"The teams had to design a sustainable world. They had to create ecosystems that could provide food, medicines, and fibres plus maintain an atmosphere and absorb wastes for a century. They had to design a society, a culture, lines of authority and all the messy details of creating and maintaining a society."

The proposal that stood out did not take DVDs and electronic goods for entertainment but instead decided that a significant proportion of the crew should be artists, musicians, actors and storytellers because to survive for a century they needed to create a culture – the stabilising glue of our societies.

The winning team constructed a diverse ecosystem based on robust ecological science principles underpinned by a socially just and equitable society.

"The next few decades are going to see the biggest changes in world climate and habitats for over 600,000 years. You can either see this massive planet-wide change as something beyond your influence, or an opportunity for influence and innovation in every strand of your life. I urge you to take the latter path.

"The pursuit of sustainability, in all its dimensions – and remember many of them are not about the green bits – is the greatest frontier you could possibly explore."

College of Sciences building update

A contract has been let to McMillan and Lockwood of Palmerston North for the construction of a new laboratory building (currently known as Riddet 11) to house several laboratories and their staff for the Institute of Food, Nutrition and Human Health.

Work on the \$6 million project started in the middle of last month and is due for completion in February. To assist with pedestrian movement adjacent to the site it is planned to close part of Riddet Rd to vehicles.

Alternative routes will be provided for car parking in the Science Tower D car park. Work continues on the new building, Riddet 12, with the roof being installed last month.

This building will house Institute of Technology and Engineering workshops as well as a new presentation laboratory, post-graduate space, an electronics teaching room for the Institute of Information Sciences and Technology and a video conferencing-equipped meeting room for IFNHH. Tender documentation is being prepared by Sinclair Knight Merz and Rider Hunt for the next phase of the redevelopment of AgHort B, level 1. This will provide convertible teaching rooms, a new entry foyer and a staff common room.

The Institute of Veterinary, Animal and Biomedical Sciences will have a new 'wet teaching laboratory' shortly, with construction completed last week and equipment installation now under way. It is expected to be in use by the end of the month.

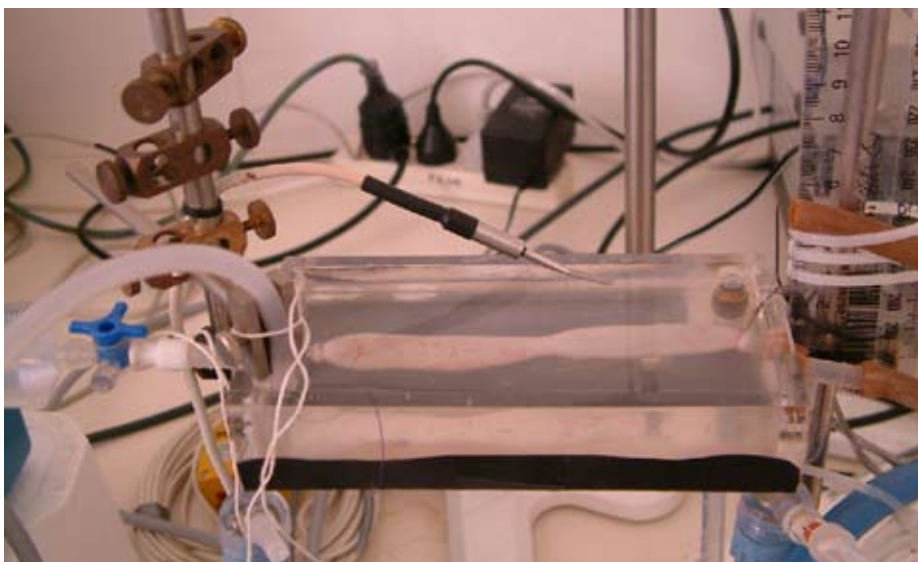
Work has also started on an equine isolation unit, which will allow animals suspected of having contagious conditions to be housed in a contained area separated from the majority of hospitalised animals.

Mainzeal Construction is responsible for both projects, which were designed by Glen Hamilton of Duckett Architecture.

Middle East focus for lecture series

The theme for this year's winter lecture series in Wellington is *What Hope for Peace in the Modern World*, with a focus on the Middle East. Nigel Parsons, a Middle East specialist from the University's School of People, Environment and Planning, starts the series on 13 June with a lecture titled *Politics in Pakistan: What went Wrong for Palestine's Ruling party?* Other lectures are *The Role of the Military in Peace*, from Major Donald Jones of the New Zealand Army on 20 June, and *Iran: Axis of Evil or Partner for Peace*, by Dr Jim Veitch of Victoria University on 27 June.

All the lectures take place at 12.15pm at St Andrews in the City.



Intestine study points to new generation of food and medicine

Massey scientists have discovered a weak link in human digestion that could revolutionise healthy eating and medical treatment for the chronically ill.

The University's Digesta group, a multi-disciplinary team of researchers, has for the first time been able to analyse the work of the small intestine, the principal organ of digestion and absorption. Associate Professor Roger Lentle says that until now, the only way to understand what was going on was by mathematical simulation. His team of scientists is the first in the world to measure the extent of mixing in a section of living intestine that was kept alive in a tank that simulated normal conditions in the body. Intestine from a possum, a mammal with an intestine that was large enough to measure the mixing, was used. The team used a complex system of coloured pulses of material to measure the level of mixing along with video imaging and computer software and frame-by-frame analysis to measure movements of the intestinal wall. Unlike the mathematically produced results, which indicated that mixing was poor, the small intestine was found to produce quite good levels of mixing. This was partly due to a jerky motion of the muscles in the intestinal wall that help to create a turbulent environment, and to the coiling of the small intestine inside the belly.

A key finding that is important for the design of foods is that any increase in the thickness of food within the small intestine significantly impaired mixing.

"This indicates that foods which are designed to thicken when they enter the small intestine will not mix and digest well and thus will be slower to release their load of glucose or fats," Dr Lentle says. "An example of a potential future application is a new drink that

you may have in the morning with your bacon and eggs, which thickens when it reaches the intestine and stops or slows absorption of the fats. Drinks could also be developed to impair the absorption of glucose and cholesterol."

The findings also bode well for sufferers of intestinal diseases including Crohn's disease or Ulcerative Colitis. Some drugs used for treating these conditions need to stay within the small intestine, Dr Lentle says, so a drink could be formulated to take with the medicine to ensure the drug is not prematurely absorbed.

"So the medicines end up in the place where they can do most good," Dr Lentle says. "A further use is in getting probiotics [dietary supplements containing potentially beneficial bacteria] to the lower bowel, which is where they can do the most good, by preventing them from being killed on their way through the small intestine by mixing with bile salts."

As well as commercial applications, the research has shown for the first time that the physical form of food has the potential to slow digestion and improve glycaemic index, by influencing mixing in the small intestine rather than by simply delaying the emptying of the stomach as had previously been thought.

The work was made possible when the team, based at the University's Institute of Food, Nutrition and Human Health, developed a new electronic spatiotemporal mapping technique that enabled them to simultaneously measure lengthwise and widthwise changes in the living intestine. Five pictures of the gut per second were captured on video and electronically processed to generate movement maps of the intestine. The findings are currently being published in the prestigious *Journal of Physiology*.

**For the first time ever,
University researchers
have been able to use a
live intestine to get a better
understanding of how food is
mixed during digestion.**



Designing women: Bachelor of design graduates Macarena Rodriguez Kylie Gunn and Juliet McLaren share a toast as they celebrate at graduation ceremonies at Wellington last month.

Promoting women as leaders

Three senior Massey academics are among a group of 20 women from eight universities selected to take part in the inaugural New Zealand Women in Leadership programme.

They are: senior lecturer with the Institute of Mathematical Sciences, Dr Rosemary Stockdale, senior lecturer with the School of Psychology Dr Antonia Lyons, and head of the Institute of Communication and Design, Dr Claire Robinson.

The programme was developed in a partnership of the University's Centre for Women and Leadership, the Equal Employment Opportunities Commissioner Dr Judy McGregor, and former Pro Vice-Chancellor (Equal Opportunities) at the University of Auckland, now chief executive of the Royal Society of New Zealand, Dr Di McCarthy.

It is funded by the Kate Edger Educational Charitable Trust and supported by the New Zealand Vice-Chancellors' Committee.

Dr Sarah Leberman, from the Centre for Women and Leadership, says the organising committee felt it was important to develop a leadership programme for women in universities, given the small numbers in senior academic positions, as shown in the New Zealand Women's census 2006.

She says it is anticipated that in future years the programme will also be open to senior women in general staff positions.

The first programme will be launched by the Speaker of the House, Margaret Wilson, on Monday 11 June in Wellington and will run over five days.

The primary aim will be to address the under-representation of women in New Zealand universities but the programme will have a wider focus.

For example, in one session, chaired by Race Relations Commissioner Joris de Bres, three women commissioners and three women politicians will debate why there are so many women commissioners and so few women in parliament.

Deputy Vice-Chancellor (Wellington) Professor Andrea McLroy will host a dinner for participants at the Wellington campus on the Tuesday night and Dr Sarah Leberman, will facilitate a session to review the programme, to be held on the final day.

The Centre for Women and Leadership has also been involved in organising the University's first leadership development programme for academic women. The programme will run for three days of facilitated learning over a six-month period, from 25 July, following a pilot in January.

It is restricted to 18 participants, each of whom will be assigned a personal coach.

Massey jazzman goes north

A stunning surf beach at Taupo Bay in the Far North inspired the title track on tenor sax maestro Brian Smith's latest album *Taupo*. It's the only track on the album recorded at the remotely located Muscle Studios at Taupo Bay.

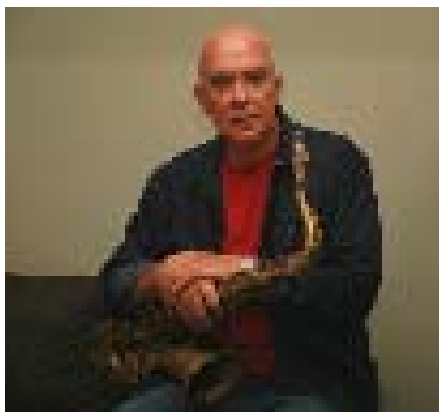
The rest of the recently released album was recorded at York Studios in Ponsonby with seasoned jazz buddies Billy Christian, Kevin Field, Lance Su'a, Kevin Haines and Kim Paterson. *Taupo* was a recording debut for exceptional young drummer Alain Koetsier, who is working towards his Bachelor of Music at Massey's Auckland campus where Smith teaches jazz.

It was something of an honour for the 20-year-old to be invited to play alongside his teacher, whose 50-year career includes performing at Ronnie Scott's in London, working and touring with the likes of Alan Price, Georgie Fame, Bing Crosby and John Dankworth. He was founder member of the group Nucleus which won the European Band competition in Montreux in 1970, resulting in gigs at the Newport Jazz Festival and tours of Italy, Germany, Holland and the United States. In his time abroad, he's also backed artists like Nancy Wilson, Gladys Knight & the Pips, Donovan and Dusty Springfield.

A highlight of his early career was playing with legendary US-based jazz trumpeter Maynard Ferguson from 1970 to 1975.

Ferguson died last year, aged 78, and Smith has dedicated *Taupo* to his memory.

Since returning to New Zealand in 1982, he has played and recorded with numerous local jazz artists, and released three albums on Terence O'Neill-Joyce's Ode label. His 1984



Brian Smith.

album, titled *Southern Excursion*, won New Zealand Jazz album of the year in 1984, and *Moonlight Sax*, in 1990, sold more than 40,000 copies.

Smith says encouraging students to listen to the great artists, such as Charlie Parker, Dizzy Gillespie and Miles Davis, is one of the challenges of teaching jazz.

"It's the foundation of modern jazz – they need to have that knowledge of what's gone before," he says.

The art of listening, and of being able to create a rapport with fellow players which gives birth to the "magic" of improvisation, is a lifelong quest for any jazz artist, he adds.

Mr Smith also plays soprano sax, bass flute and piano on the 10-track album, which includes his own compositions *Kids at Play* (for his five grandsons), *Big Kids at Play* (free improvisation) as well as classics such as *It Ain't Necessarily So*, from the George Gershwin musical *Porgy and Bess*.

'Owls Do Cry' speaks to teens

It's 50 years since Janet Frame's first novel *Owls Do Cry* was published, and 24 years since Auckland-based Massey English lecturer Dr Jenny Lawn first read it.

It was a set text in Dr Lawn's sixth form year of English, and proved for her to be a veritable literary awakening that strongly influenced her academic direction.

Captivated, she re-read the novel repeatedly, initially with fascination and then with a more systematic, analytical focus.

"I was overwhelmed by it, and I think in a lot of ways it speaks to adolescents poignantly because it's about travelling from childhood to adulthood. This is a perilous journey in *Owls Do Cry*."

"There is a sense that all is wrong with the world and the voice of sanity is often marginalised as the voice of madness."

She is certain a new generation of readers – especially teenagers – will find fresh interpretations, meanings and significance in the book, which has just been re-published by Random House to mark the 50th anniversary of its publication by Pegasus Press of Christchurch in 1957.

Owls Do Cry portrays the drab, repressed lives of the Withers family in the fictional South Island town of Waimaru, where the shallowness and spiritual emptiness of suburban life is starkly offset by the poetic voice of Daphne Withers, confined in an asylum and subjected to barbaric electric shock treatment – a parallel with Frame's own experiences.

Dr Lawn devoured all of Frame's work – 11 novels, five collections of stories, two volumes of poetry and a children's book – and has since become one of the country's foremost Frame scholars, with a host of essays published in literary journals and books to her name.

She wrote on the multiple narrative voices Frame deployed in *Owls Do Cry* for the *Journal of New Zealand Literature* in 1990, and in 1993 penned another essay examining psychiatric assumptions in the novel.

In a 2005 essay she compares work by Janet Frame and Canadian literary icon Margaret Atwood. In another book of essays on Janet Frame by international academics out this year, she discusses Frame's 1972 novel *Daughter Buffalo*, set in New York – evidence that reading, understanding and sharing her ideas on Frame's fiction has occupied much of Dr Lawn's academic career.

While there is ample scope for new readings and interpretations of Frame's writing, she agrees with a comment once made by the late playwright Bruce Mason.

"He said *Owls Do Cry* must take root in the imagination and be given time to grow, which I think is a good guideline for reading Janet Frame. You need to live with her writing, dream it. Let the images work on your own consciousness."

Pasifika staff reach out to Northland's Tongan community

Massey's Pasifika staff travelled to Dargaville last week to meet with the Tongan community there in a bid to encourage more Pacific Islanders into tertiary education.

Director Pasifika Professor Sitaleki Finau was accompanied by Pasifika Development Adviser Sione Tu'itahi to a meeting attended by more than 20 people.

Professor Finau says they are passionate and determined about lifting education aspirations and achievements of Pacific Islanders, and had three key messages to convey.

"What we want to get across is that Massey operates from three campuses and has the most extensive range of extramural study options of any university in New Zealand, and that these are available to students elsewhere in the Pacific too."

He says it is also important that people know about Massey's unique Pasifika Strategy, adopted last year with him appointed to oversee its implementation. Goals outlined include fostering academic advancement, professional development, research capability, cultural diversity and collaborative partnerships.

Finally, they want to impress on potential students that Massey offers purely academic courses as well as academic courses that can blend practical, vocational training in areas such as nursing, teaching, social work, aviation – to name a few.

These points all contradict perceptions. Professor Finau says Pacific Islanders often think of Massey as being located in Palmerston North, as being exclusively for Europeans and



Professor Sitaleki Finau.

having a narrow range of purely academic study options.

They targeted Dargaville – known as New Zealand's 'kumara capital' – because about 50 Tongan families have settled in the area over the past 15 years to work on kumara farms and in the freezing works.

One Tongan woman in Dargaville is currently enrolled extramurally in a social work degree, and another man with a degree in agricultural science is considering doing a PhD.

Professor Finau said he was surprised to discover that a number of Tongans working on kumara farms and freezing works had left jobs as civil servants and teachers in Tonga. He spoke to them about extramural study courses that would enable them to seek work related to their skills.

He Waka Tangata appointments

Three Massey academics have been appointed to the newly formed He Waka Tangata, a forum set up by the Ministry of Research, Science and Technology to find new ways of increasing the role and impact of social research in New Zealand.

The group includes Dr Lesley Patterson, from the School of Sociology, Social Policy and Social Work, Dr Richard Shaw, of the Politics Programme, and Associate Professor David Johnston, Director of the Joint Centre for Disaster Research in the School of Psychology. Other members of the group with Massey connections include Dr Ruth McManus (a Massey PhD graduate now at the University of Canterbury) and Dr Paul Hirinui (a Massey PhD graduate now at The Family Centre, Lower Hutt).

"The group has members from a range of social science disciplines and fields including geography, economics, sociology, psychology, education and environment research. It is intended to build on the MoRST's successful Oxygen group, which is a similar initiative established in 2005 designed to better connect MoRST with young scientists," says Dr Shaw.

He says the group, which has now met twice, is developing goals and hopes to communicate these to the social science community sometime soon. "The group will stimulate debate on the important contribution of the social sciences to New Zealand society more generally," says Dr Shaw. "He Waka Tangata is a very exciting project. In addition to providing advice on specific science policy issues, the group is intended to inspire and support emerging social scientists to play a larger role in developing the direction of social science in New Zealand."

Dr Shaw's personal hope for the group is that it will assist the social sciences enjoy a higher public profile. "The best case scenario is when a social science equivalent of Paul Callaghan does a regular spot on Kim Hill [radio show], a time when social sciences enjoy the same degree of credibility and exposure as fundamental sciences.

"That's a time when the research many of us do finds an audience in the wider community – after all, the social sciences are all about helping people explain and make sense of their world."

Ako Aotearoa Director appointed

Dr Peter Coolbear, currently Deputy CEO of Manukau Institute of Technology, has been appointed founding Director of Ako Aotearoa: National Centre for Tertiary Teaching Excellence. He will take up the position at the beginning of July.

Ako Aotearoa is New Zealand's first Centre for Tertiary Teaching Excellence. It is part of a \$20 million Government initiative to boost the quality of teaching in all branches of the post-school education sector.

A consortium of institutions headed by Massey won the contract to establish the centre in 2006. The consortium includes AUT University, the University of Canterbury, Christchurch College of Education, UCOL, and Manukau Institute of Technology. The centre will comprise a national centre in Wellington and regional hubs in Christchurch, Palmerston North and Auckland.

In announcing the appointment, Vice-Chancellor Professor Judith Kinnear, expressed great hopes for the centre under Dr Coolbear's leadership.

"Dr Coolbear brings impressive experience to this new challenge. He has a comprehensive appreciation of the tertiary sector having worked in institutes of technology, in universities and in senior policy and management positions in Wellington. He has a background in tertiary teaching and has the strategic and management skills that will be needed to promote the development of teaching across the whole sector. I am confident that he will make a difference where it counts – in the quality of teaching and learning."

Dr Coolbear's appointment marks the end of the start-up phase for Ako Aotearoa and the commencement of its core work.

Since 2006 the focus has been on building the organization. Interim Director Professor Tom Prebble has been working with a management group drawn from the consortium partners; Bryan Gould, formerly Vice-Chancellor of Waikato University, was appointed as Chair of the Governance



Dr Peter Coolbear.

Board; a board has been selected and will be announced shortly along with an Reference Group; a visual identity and website have been launched (www.nctte.ac.nz); staff have been appointed and accommodated in each of the three regional hubs in Auckland, Palmerston North and Christchurch and a building for the national centre is nearly ready for occupancy in Wellington.

Work is underway on a series of national projects.

In June and July contact will be made with every tertiary institution in New Zealand to map the state of teaching and learning and to get a better appreciation of the priorities facing the Centre.

- Work is underway to design an online knowledge resource to provide tertiary educators with better access to research and best practice in teaching.
- Ako Aotearoa will assume responsibility for the Tertiary Teaching Excellence Awards.
- The Centre is working on a series of research and development projects as part of the Teaching Matters Forum.
- Plans are underway for a research funding round focused on tertiary teaching and learning.

Major journalism conference

The University is hosting New Zealand's premier journalism conference, on the Wellington campus in December.

Journalism academics, educators, practitioners, and others will be meeting on December 10–11 for the 2007 Jeanz conference.

Jeanz – Journalism Education Association of NZ, Inc. – is the professional body of journalism educators in New Zealand.

The conference theme is *The future for the mainstream: The changing demands on journalists and the challenge for journalism educators*. The conference is being run by the Department of Communication and Journalism.

"It's been quite a year for the industry, with

major rounds of lay-offs and other cost-cutting measures at various media companies," Journalism head and Jeanz president Dr Grant Hannis says.

"There are also ongoing concerns about how the mainstream media regard Māori and other ethnic groups.

"We warmly invite all those with an interest in all such matters to attend the conference, both as presenters and delegates."

All papers will be peer-reviewed and a book of conference proceedings published after the conference.

For more information on the conference, including registering and submitting papers, visit the conference homepage <http://communication.massey.ac.nz/jeanz.html>

Former NY Times staffer to teach journalism

Alison McCulloch, a member of *The Denver Post* team that won a Pulitzer Prize in journalism for its coverage of the Columbine killings, is to teach a global journalism paper at the Wellington campus next semester.

The paper goes beyond journalism produced in the United States, Britain and locally. It looks at how journalists in Russia and the Middle East perceive and report the news.

For the past five years Dr McCulloch was a staff editor on *The New York Times'* foreign desk and *Sunday Book Review*. She also worked on the news desk at the *International Herald Tribune* in Paris.

She says globalisation makes it increasingly important for people to understand the way international events are reported. "I'll talk about why there are different media approaches – political and philosophical – and the social underpinning of those."

A graduate of the Massey journalism programme in 1982, she worked at Radio New Zealand, The Dominion and The *New Zealand Herald* before moving to the United States in 1993. Her PhD in Philosophy was completed at the University of Colorado.

She was a copy editor at *The Denver Post* in 1999 when two students murdered 13 people, wounded more than 20, and killed themselves at Columbine High School.

For its powerful coverage of the tragedy, the Post's team of reporters and editors won the Pulitzer Prize, one of journalism's highest accolades.

Ambassador visits

The Ambassador of the Federal Republic of Germany, Joerg Zimmermann, visited the Palmerston North campus last month, speaking to students, staff and visitors about the European Union.

Mr Zimmermann discussed the work done towards an EU constitution and the difficulties that has encountered with people from different cultures having different perspectives on what is important.

Dr Colin Anderson, the co-ordinator for the School of Languages European languages programme, says another issue Mr Zimmermann discussed was the way the EU reached decisions – on certain issues a majority vote is acceptable but on others unanimity is required.

"He was positive about the EU but very open about some of the problems it faced."

Mr Zimmermann also said he was interested in helping raise New Zealand's image in Europe as a country achieving excellence in science and technology. He said New Zealand was recognised for its excellence in agriculture, but European countries were not as aware of its science achievements.



Young entrepreneurs Jessie Brooker, Sok Lach, Anthony Burkin and James Stewart, from Freyberg High School, introduce Doheny to their prize-winning first aid kit for dogs.

Pet first aid kit wins business award

A first aid kit for dogs and a celebrity cookbook took the honours at a school business plan competition, the finals of which were held at the Sport and Rugby Institute on the Palmerston North campus last month.

The Youth Enterprise Scheme competition requires teams from secondary schools to prepare and implement a business plan for an innovative product or service.

A team from Freyberg High School called 'Petaid' won the best written presentation, while 'De'vine Enterprise', from Palmerston North Girls' High School, won the award for best oral presentation.

Petaid submitted a business plan for a comprehensive first aid kit for dogs, called Pet Vet, developed with help from Dr Frazer Allan from the University's Veterinary Teaching Hospital, and ProVet, a veterinary goods supplier.

The students, James Stewart, Jessie Brooker, Jason Geange, Sok Lach and Anthony Burkin, received cash prizes from ASB Bank and InSpire.net.

De'vine Enterprise's business idea was a celebrity cookbook that included healthy recipes from New Zealand's 'favourite people'. The company's board of directors, Jess Nelson, Kelsey Pilbrow, Aleisha Beck, Casey Foster and Kirstie Stewart, received \$1000 worth of radio advertising from Radioworks.

The YES scheme involves Year 12 and 13 students in an experiential business programme during which they set up their own company and run it throughout the year, creating products and services, implementing marketing plans, earning money, paying tax and keeping profits.

The College of Business is a supporter of scheme, which is run by Vision Manawatu, working with the Enterprise New Zealand Trust.

The College provided judges Barrie Humphries, Dr Colin Higgins and Lindsay Hawkes for the written business plans as well as event facilities and teacher training.



Making music for dancing stars

Most of the sounds behind popular television show *Dancing with the Stars* over the past three years have come from New Zealand School of Music staff.

Bass player Nick Tipping, the acting programme leader of Jazz Performance, says providing the music was "a lot of fun".

"We get to see what goes on behind the scenes and then to be playing live to an audience of close to a million people is very exciting.

"It's a great reflection on the School of Music that most of the band are faculty members,

and are therefore performing regularly at the highest level possible in New Zealand."

Pictured are NZSM teaching staff before the grand final of *Dancing with the Stars*: Back row, from left: Neil Maddever, sound; Vaughn Roberts, trumpet; Nick Granville, guitar; Nils Olsen, saxophone and woodwind. Front row, from left: Nick Tipping, bass; Lance Philip, percussion; and David Bremner, trombone. Other staff who have performed on the show are Rodger Fox, trombone; Yury Gezentsvey, violin; Charmaine Ford, keyboard; and Lance Su'a on guitar.

Whirlwind weekend film school ties up Loose Ends

A team of Design students and recent graduates spent a weekend at what may have been the most intense film school on the planet last month.

Teams had just 48 hours to create an entire short film – writing, shooting and editing – or die trying. The films are then screened in cinemas and judged by the audience, with more than \$80,000 of prizes on offer.

"We had a blast," says producer Emma Riordan, who graduated last year with a Bachelor of Design in digital media. "While studying, we did most of our digital video alone, so it was great to work as a team on this project.

"We couldn't have done it without everyone on the team putting in a huge effort. We were incredibly happy and proud of what we achieved and can't wait to do it again next year."

Their film *Loose End* tells the story of a frustrated superhero who struggles with issues like fashion, fitting in with his peers, and health and safety requirements. He is in therapy trying to sort out these issues.

Photographer Craig Simcox spent the weekend with the team and produced a photo essay published in the *Dominion Post*. "When



A superhero (Jimmy Hayes) in therapy.

we needed help, he put his camera down and got stuck in," Ms Riordan says.

Mr Simcox's wife, Carroll, a graduate from last year, was one of the team as were their sons, Jared, 18, and Geoff, 11.

Other teams members were: Rachel Haas, Robert Jones, Jimmy Hayes, George Connor, Nina Wells, Robert Jones, Andy Bonnington, Siana Butterfield, Alouis Woodhouse, Sascha Astill, Dave McGahan, Veronica Brady. School of Design technical demonstrator Keir Husson assisted with equipment and technical issues.

Pushing for Pasifika recruitment

Tevita Funaki – Massey's new Pasifika Student Liaison Advisor – comes from a thoroughly academic Tongan family.

He and his seven siblings all have tertiary qualifications, including medical, engineering and business degrees. He sees no reason why many more Pacificans shouldn't avail themselves of tertiary education and qualifications, despite the pressures on school leavers to start work so they can help with family finances.

Although his parents were not academics in the strictest sense, they valued education highly.

Educational achievement was "embedded in our family", says Mr Funaki, who was educated in Tonga before moving to Dunedin aged 16. He flatted with his elder brother and sister – both university students – while he attended Year 12 and 13 at Otago Boys High School, before enrolling at the University of Otago University to study commerce.

In his new role since March, he has been out and about visiting high schools, church and community groups talking to Pacifican students and families about the value of university education as the key to better jobs and financial security.

Having Massey's Pasifika Strategy – introduced last year – as a tangible proof of the University's commitment to attracting more Pacificans to its courses as well as developing Pasifika research has been vital, he says. It's helped to overcome commonly-held perceptions amongst the Pacifican community that Massey is "a second-class university for Europeans. They think of it as the agricultural university in Palmerston North."



Tevita Funaki.

Breaking down these myths is a team effort. He works closely with colleagues Surava Elaisa, Pasifika Learning Advisor (Auckland) as well as Professor Sitaleki Finau, Director Pasifika and Sione Tu 'itahi, Pasifika Development Advisor – who are responsible for overseeing the implementation of the Pasifika Strategy across all three campuses.

Their plans for boosting Pasifika student numbers include creating community centres of learning – initially in West Auckland and the North Shore, which are priority catchment areas for the Auckland campus.

They want to recruit current Pasifika students for part-time tutoring and mentoring of high school and extra-mural students at church and community-based centres. Open days and festive events targeting the Pasifika community are also on the agenda.

Reassuring parents that pastoral care for their students is readily available is another strand to their campaign, says Mr Funaki.

"It's all about building a relationship with the community," he says.

Malaysian MoU

A Massey delegation has recently returned from a successful visit to 12 Malaysian universities, seeking to build new partnerships and raise the University's profile as a high quality destination for PhD study.

Members of the Massey delegation were Professor John Raine, Deputy Vice-Chancellor Auckland and International; Professor Chris Moore, College of Business Associate Pro Vice-Chancellor (International), Professor Wayne Edwards, College of Education and Professor Ian Maddox, Academic Director, College of Sciences.



Vice-Chancellor of Universiti of Putra Malaysia, Professor Dato Dr Nik Mustapha R. Abdullah and Professor John Raine, Deputy Vice-Chancellor (International) signed a Memorandum of Understanding.

The Malaysian government has introduced a scholarship scheme which funds Malaysian university staff under the age of 40 to study for a PhD degree on an agreed research programme at an overseas university. Professor Raine says Massey has a major opportunity to participate in this programme. He reports that the delegation identified a number of PhD students in Malaysia.

The Massey international team signed a Memorandum of Understanding with Universiti Putra that confirms the intention for research collaboration and staff or student exchanges between these two universities which were both founded as university Agricultural Colleges.

New Head for Fundamental Sciences

Professor Peter Derrick takes up his new role as Head of the Institute of Fundamental Sciences on 11 June. Professor Derrick has a BSc and PhD (London) and is a professor of chemical physics and physical chemistry. He comes to the Palmerston North campus from the Department of Chemistry at the University of Warwick, England.

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>

Wheel Blacks crash and bash

As the Recreation Centre basketball courts echoed with the crashing of reinforced wheelchairs and the occasional hiss of punctured tyres, it could only mean one thing: The Wheel Blacks were on campus.

New Zealand's wheelchair rugby team training squad is based at the University's Sport and Rugby Institute in Palmerston North this week at the start of their preparation for next year's Olympics in Beijing.

Manager Barry Hislop says it is the foundation camp for the build-up to next year.

"We setting the team plan and team culture for the next phase of our journey."

Extensive fitness trials and numerous practice games will help establish a squad.

Wheelchair rugby evolved out of a game called murder-ball, played on a basketball court with a volleyball.

It is the first time the team has used the institute and Mr Hislop is enthusiastic about the quality the facilities and their accessibility for disabled athletes.

"I've come here to conferences in the past and it's a good New Zealand sports culture." The nearby Recreation Centre provided the



required hard surface for the fast-paced game. "This is one of the highest performing teams in the country," Mr Hislop says. They are Oceania champions and won gold at Athens in 2004.

Squad members are from Manawatu, Auckland, Canterbury, Waikato and Hawke's Bay. With the team are four trainers from the NZ Academy of Sport.



Mihikore Davis.

Highbury scholar a rolemodel for others

It was at age 16, on the Highbury Community Centre Holiday Programme, that Mihikore Davis met a man whose positive role modeling helped change her life. Six years later, Ms Davis is a Bachelor of Social Work Graduate, who is now considered a role model to the young people of Highbury.

The man she met was the Chairman of the community centre, Peter Butler, who urged her to push ahead with her studies. Pete and his wife Angeline have been two of the mentors in Ms Davis' life; the first was her mother, Jonella, who instilled in her a passion for Te Reo Māori.

"When I did the Holiday Programme, and saw how Pete worked with the kids, I wanted to be like him. He seemed to have time for everyone, to take a personal interest in who you were and where you were going. If he hadn't pushed me to do my studies, I wouldn't be where I am today."

Having been inspired, Ms Davis then benefited from the practical support of the Highbury Community Scholarship, first awarded to her when she enrolled at Massey University. The scholarship was set up to help Highbury residents realise and reach their academic and personal potential, to create more positive role models for Highbury and, to provide a pathway into tertiary education.

As a role model, Ms Davis has also been heavily involved in a research project that looked at the needs of Māori youth within the Ngati Raukawa region, which includes the community of Highbury. Mihikore was nominated by the Highbury Whanau Centre to be on the joint venture research project between the University and Te Runanga o Raukawa.

Ms Davis travelled to present the findings of the research titled "Whaia te Hauora o ngā Rangatahi" to the Global Social Work Conference in Adelaide, three years ago.



Uttara Samarakoon, Cheryl Nkhasi, and Justine Baker.

Alumni Affinity Card Scholarships

Bursaries awarded to postgraduate students from funds established by the Massey University Affinity Card in association with Westpac were presented last month. The bursary is intended to support students during the course of their postgraduate programme of study.

Massey, together with New Zealand's seven other universities, have a University Credit Card in partnership with WestpacTrust.

For each card WestpacTrust will donate 1 per cent per annum of the interest earning balance or a minimum of \$10 per annum

- whichever is the greater - to Massey's scholarship fund.

For more information, or to apply for a visa card and support Massey University scholarships please contact the Alumni Relations office alumni@massey.ac.nz for a brochure.

This year's recipients are: Justine Baker, Institute of Molecular BioSciences; Sammy Kareithi, Institute of Veterinary, Animal and Biomedical Sciences; Cheryl Nkhasi, Institute of Food, Nutrition and Human Health; Uttara Samarakoon, Institute of Natural Resource.

Alumni launches new apparel



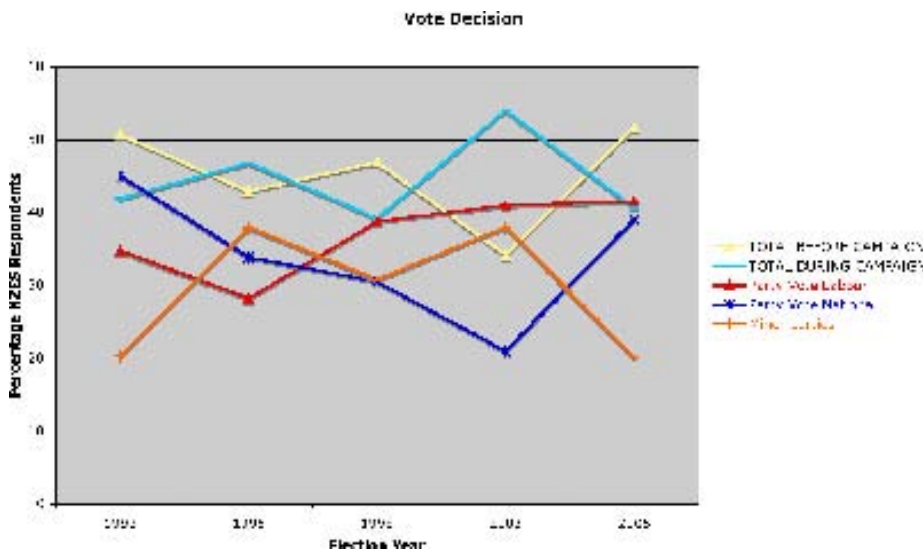
The Office of Development and Alumni Relations launched a new range of apparel at a fashion show on the Palmerston North campus last month.

The new range is manufactured by Kukri New Zealand Ltd, reflects the University's colours and features a range of dark blue and white gear accentuated with gold across the shoulders.

"The new range is designed to be more funky

and appealing, while retaining a sophisticated and collegial feel," Alumni relations manager Leanne Fecser says. "We've had positive feedback on the modern design and colours."

The Kukri apparel includes raincoats, tees, polo shirts, fleece jackets and vests, ranging from \$25 - \$65 and is available from the alumni office in the Old Registry on the Palmerston North campus, or from campus cashiers in Auckland and Wellington.



New research suggests early favour for National over Labour

Labour has good reason to be worried about the latest opinion poll results showing a sharp shift towards National, and should not be writing them off to John Key's honeymoon period, says political marketing specialist Dr Claire Robinson.

In new research she has found a correlation between the time of a voting decision and a party vote for National.

"The earlier people make up their minds about who they are going to vote for, the better news it is for National."

These polls are not an absolute predictor that people have made their voting decision already. However, they do show that a significant number of people have thought

about changing their vote recently.

This is significant because voters don't tend to change their minds much between campaigns, says Dr Robinson.

"Once they have put the effort into the change, they are unlikely to think too much about the decision again until the election campaign."

So we are likely to see a continuation of these poll results all the way through to next year.

The latest poll results are also bad news for the minor parties. Dr Robinson has also found that the more people make their voting decision before the election campaign the less likely they are to vote for a minor party.



John Key with business student Bianca Symes, who was one of the organisers of the visit.

Key predicts new graduates will continue to leave New Zealand

National Party leader John Key told students at Massey's Auckland campus that New Zealand's brain drain is the world's worst.

He addressed a lunchtime audience at the invitation of students at the College of Business.

"The brain drain worries the hell out of

me," he said. "I have no doubt we can kiss goodbye to at least half of you in the next five to ten years," he told the audience of mostly business students.

The National leader extolled the benefits of education for both the individual student and the future of the country.

Ex-pats quizzed to stem 'brain drain'

New Zealanders living overseas are asked to take part in a wide-ranging survey of why they left and why they stay away.

Kaye Thorn, a lecturer in the Department of Management and International Business at the Auckland campus, is hoping New Zealanders both at home and overseas abroad will help enlist participants for her survey.

With an estimated 24 per cent of New Zealand-born people now living in an OECD country other than their own, she says we now have one of the highest levels in the OECD of exodus from the homeland.

Ms Thorn's research will pose a wide range of questions to Kiwis abroad who participate. She says the study results may help efforts to stem the so-called "brain drain".

"Most research focuses on just one key reason for mobility – economic motives. This is a simplistic view.

"The reality is that factors influencing a decision to live and work in another place are multi-faceted and complex. The factors involved are career, economics, cultural and travel opportunities, the political environment, quality of life and relationships.

"This research seeks to discover the relative importance of the factors that influence the self-initiated mobility of highly educated New Zealanders across national boundaries.

"We need to understand the relative importance of the factors influencing a decision to be mobile. Until we understand this, we have little opportunity to either retain or entice back our skilled talent."

Ms Thorn is seeking at last 1000 participants and is asking New Zealanders to forward the link to the online survey to Kiwis abroad.

<http://www.massey.ac.nz/~kthorn>

PR fellowship for industry leader

Associate Professor of Communications and Journalism Dr Margie Comrie has been inducted as a Fellow of the national Public Relations Institute.

Fellows are recognised for their significant contribution to the industry.

Dr Comrie holds a Canterbury University journalism diploma and a PhD from Massey. She co-edited two books on the news media with former Massey professor and Equal Employment Opportunities Commissioner Judy McGregor.

She has been at Massey since 1990 and established New Zealand's first postgraduate public relations course in 1992.

Outgoing institute president Lisa Fincuan said that Dr Comrie had taught many in the industry and had helped shape the teaching of communications and public relations.

In the news

9 May

The Press, Southland Times, RNZ, Radio Live, nzherald.co.nz, Bay of Plenty Times, The Daily Post, Daily Chronicle, Southland Times, Greymouth Star, Otago Daily Times: Professor **Janet Hoek**, from the Department of Marketing, has called for a launch of a "don't call" list for people who do not want to be targeted by telephone marketers.

Wanganui Chronicle, Bay of Plenty Times, Westport News, Oamaru Mail, Marlborough Express, Hawkes Bay Today, Otago Daily Times, The Epoch Times, Christchurch Star: **Taisia Huckle**, from the Shore Centre, leads a study that finds teenagers are being harmed by growing up in an environment where alcohol is widely available and consumption is the norm.

10 May

The Dominion Post, The Press, Waikato Times, Southland Times, Timaru Herald, Taranaki Daily News, Nelson Mail: Dr **David Tripe**, Director of The Centre for Banking Studies, says Kiwibank's profitability is about half that of the four major Australian-owned banks.

RNZ, North and South: Professor **Ralph Sims**, from the Institute of Technology and Engineering, says that because New Zealand is a small and well educated nation, we can demonstrate change faster than others, in terms of the production of bio-fuel.

11 May

The New Zealand Herald, Manawatu Standard: Professor Kevin Stafford, from the Institute of Veterinary, Animal and Biomedical Sciences, says after so many dog bite incidents lately, effective dog control and enforcing of the present laws are not difficult, definitely needed, and are paid for by registration fees.

14 May

The New Zealand Herald: Dr Robin Dykstra, from the Institute of Fundamental Sciences, receives his PhD for his research into portable nuclear magnetic resonance devices. with uses ranging from construction to the oil industry, being Wisold around the world.

Radio Pacific: Professor **Roger Morris**, from the Institute of Veterinary Animal and Biomedical Sciences, says avian flu has spread in central Vietnam, the outbreak is disappointing and very negative, but bird flu is not easily passed from person to person.

15 May

New Zealand Herald, The Press, The Dominion Post, Manawatu Standard, Waikato Times, RLI, RNZ, Newstalk ZB, allheadlinenews.co.nz (USA), Timaru Herald, West Coast Times, Westport News, Oamaru Mail, Nelson Mail, Marlborough Express,

Northern Advocate, Gisborne Herald, Westport News, Taranaki Daily News, Greymouth Star, Ashburton Guardian, Bay of Plenty Times, The Epoch Times, Wanganui Chronicle, Hawkes Bay Today, Southland Times, Otago Daily Times, Sunday Star Times: Dr **Al Rowland**, from the Institute of Molecular Biosciences, who led the research into the effects felt by the sailors who took part in the 1950 nuclear tests, released the findings that have shown the veterans have three times the normal rate of chromosome mutations.

Manawatu Standard: **Nicola Shadbolt**, from the Institute of Food, Nutrition and Human Health, says the extra demand for biofuel should push grain prices higher, which means beef produced in feedlots will become more expensive internationally, this is good for New Zealand which produces grass-fed meat.

16 May

The New Zealand Herald, The Dominion Post, The Press, Manawatu Standard, Wanganui Chronicle, West Coast Times, The Daily Post, Greymouth Star, Timaru Herald, Taranaki Daily News: Associate Professor **Peter Snell**, who received a honorary doctorate in Science this year, told graduates at the Palmerston North ceremony, that there were three gifts people could provide themselves in life; a university education, a fulfilling career and a high level of wellness.

The Dominion Post, Manawatu Standard, Gisborne Herald: **Paul Dibble**, an internationally renowned sculptor, received a Honorary Doctorate in Fine Art's in this years Palmerston North Graduation ceremony.

18 May

The Dominion Post, Manawatu Standard, Southland Times: Associate Profesosr **Claire Massey**, from the Department of Management and Enterprise Development, says the latest tax cuts set by Michael Cullen's budget, would miss about 60 percent of small businesses, and the rest of the package held little for the sector to get excited about.

Manawatu Standard: Dr **Claire Robinson**, from the Institute of Communication Design, says the Government has used the latest Budget to prove its prudent management of the economy, but what people were looking for was something new.

19 May

The Press, Nelson Mail: Dr **Mark Sullman**, from the Department of Resource Management, says his survey conducted on road rage has revealed that a lot of it is founded on misconception, as the level of driver anger has been stable over the past five years.

The Press, Manawatu Standard: **Peter Lineham**, from the School of Social and Cultural Studies, who was raised in an Open Brethren Church, says it has a deeply entrenched culture.

21 May

New Zealand Herald: Dr **David Tripe**, says mortgage lending has grown because frontline lending staff have been given incentives to write as many loans as they can, and may have no experience of loans that go bad.

22 May

The Dominion Post, Manawatu Standard: Professor **James Chapman**, PVC (Education) says that New Zealand now has one of the largest gaps in the world between male and female achievers, with women coming out on top, rating the country's gap to be as worse as poor and impoverished countries

Pharmacy Today: Dr **Lisa Wu**, from the School of Psychology, says that shorter winter days can trigger Seasonal Affective Disorder, a type of depression experienced by some people during certain seasons in the year.

Next Magazine: Dr **Farah Palmer**, from the Department of Management, will feature in a book entitled '18 inspiring sportswoman share their stories', which talks about her career, life and leadership achievements including captaining the Black Ferns.

Research Funding Opportunities

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

Ministry of Education

Research and evaluation of narrative assessment and curriculum exemplars for students with special education needs

More information can be found at <http://tinyurl.com/2cpcur2>

Deadline: 11 June 2007

Foundation for Research Science & Technology

International Polar Year

Contact your College Research Development Advisor for more information.

Deadline: 14 June 2007

Ministry of Agriculture and Forestry

Laboratory study of the vector competence of two endemic mosquitoes for the exotic Ross River and West Nile viruses

More information can be found at <http://tinyurl.com/ysr2zm>

Deadline: 15 June 2007

Health Research Council NZ

Occupational Health Research Strategy

Workplace Stress and Bullying - Occupational Asthma

More information can be found at <http://tinyurl.com/2fut2k> and <http://tinyurl.com/28l5ak>

Deadline: 21 June 2007

Royal Society of New Zealand

Julius von Haast Fellowship Award

More information can be found in COS: Unique ID 92196

Deadline: 25 June 2007

Ministry of Agriculture and Forestry

Operational Research: Environmental and other Assurances, Private and Commercial Standards

More information can be found at <http://tinyurl.com/yqytzn>

Deadline: 25 June 2007

L'Oreal

Fellowships for Young Women in Life Sciences

More information can be found at <http://www.scienceinpublic.com/l'oreal.htm>

Deadline: 29 June 2007

Families Commission

Innovative Practice Fund

More information can be found in COS: Unique ID 95451

Deadline: 30 June 2007

C. Alma Baker Trust
C. Alma Baker Fellowship

More information can be found at the Research Funding Opportunities web page.

Deadline: 2 July 2007

Ministry of Education

Tertiary e-Learning Research Fund

More information can be found at <http://tinyurl.com/yq5per>

Deadline: 2 July 2007

Ministry of Education

Implications for the reviewed technology curriculum

in classrooms - research and materials development for teacher professional support

More information can be found at <http://tinyurl.com/ynvr88>

Deadline: 5 July 2007

Aperture Foundation

International Aperture Prize

More information can be found in COS: Unique ID 108170.

Deadline: 13 July 2007

Foundation for Research Science & Technology

Building an Inclusive Society

Contact your College Research Development Advisor for more information.

Deadline: 16 July 2007

Ministry of Fisheries

Invitation to Tender for the Provision of Fisheries Research Services - Round 2

More information can be found at <http://tinyurl.com/yphkle>

Deadline: 3 August 2007

Foundation for Research Science & Technology

New Materials, Technologies & Services: Future Human Technologies

Contact your College Research Development Advisor for more information.

Deadline: 31 August 2007

Foundation for Research Science & Technology

New Materials, Technologies & Services

Contact your College Research Development Advisor for more information.

Deadline: 4 September 2007

Foundation for Research Science & Technology

Sustaining New Zealand's Economic and Technological Advancement (SET)

Contact your College Research Development Advisor for more information.

Deadline: 4 September 2007

Foundation for Research Science & Technology

Infrastructure and Resources

Contact your College Research Development Advisor for more information.

Deadline: 5 September 2007

Foundation for Research Science & Technology

Primary Production and Sustainability

Contact your College Research Development Advisor for more information.

Deadline: 6 September 2007

Foundation for Research Science & Technology

Leveraging New Zealand's Natural Resources

Contact your College Research Development Advisor for more information.

Deadline: 11 September 2007

Iranian Research Organization for Science and Technology

Khwarizmi International Award

More information can be found in COS: Unique ID 74890

Deadline: 31 October 2007

For opportunities listed in COS, visit <http://www.massey.ac.nz/massey/research/fops/fo.cfm> and click "Funding Worldwide". Enter the COS Unique ID # into the All Fields section and click "Do the Search"

Wharewata

venue • cuisine • events



Winter Brunch Series – every Sunday 10am – 1pm from Sunday June 10th until Sunday September 30th
Local entertainment, reservations advised. Contact Helen Poole 350 5088

Scholarships and Bursaries

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

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

Undergraduate

Exchange Student Scholarships

– closing 1 June 2007

St Hilda's Bursaries

– closing 1 June 2007

NZ Food Safety Authority Scholarships

– closing 7 June 2007

Jeff Nash Memorial Scholarship

– closing 15 June 2007

Winstone Aggregates / Te Mana Taiao Maori Student Summer Internship

– closing 15 June 2007

AMP Scholarship Programme

– closing 30 June 2007

Drury Tertiary Scholarship

– closing 30 June 2007

Honeywell Bursaries in Energy Management

– closing 30 June 2007

NZ Planning Institute Bursary

– closing 30 June 2007

NZ Property Institute Study Award

– closing 30 June 2007

Rangitaane O Manawatu Scholarships

– closing 30 June 2007

Rotary Foundation Ambassadorial Scholarship

– closing 30 June 2007

Royal Society of NZ Medals & Awards

– closing 30 June 2007

Sasakawa Fellowship Fund for Japanese Language

- Teacher Trainee Scholarship

– closing 30 June 2007

Tongariro Natural History Society Memorial Award

– closing 30 June 2007

Rotary Foundation Ambassadorial Scholarship

– closing 30 June 2007

Rotary Foundation World Peace Scholarship

– closing 30 June 2007

Royal Society of NZ Medals & Awards

– closing 30 June 2007

Sasakawa Fellowship Fund for Japanese Language

- Teacher Trainee Scholarship

– closing 30 June 2007

Tongariro Natural History Society Memorial Award

– closing 30 June 2007

Postgraduate

Fulbright New Zealand Senior Scholar Award

– closing 1 June 2007

Fulbright Travel awards

– closing 1 June 2007

St Hilda's Bursaries

– closing 1 June 2007

The British Council Researcher Exchange Programme (RXP)

– closing 2 June 2007

Drury Tertiary Scholarship

– closing 30 June 2007

Honeywell Bursaries in Energy Management

– closing 30 June 2007

Mexican Government Scholarships

– closing 30 June 2007

NZ Planning Institute Bursary

– closing 30 June 2007

Rangitaane O Manawatu Scholarships

– closing 30 June 2007

NOTICEBOARDS ARE AVAILABLE AT THE FOLLOWING LOCATIONS:

SOCIAL SCIENCES LECTURE BLOCK FOYER, TURITEA SITE AND IN EACH ACADEMIC UNIT

Events

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

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

People in the news

Communications and marketing staff monitor news and media outlets, but appreciate notification from staff of their media contributions/achievements.

Please email editor@massey.ac.nz with your contribution so that it may be included in Massey News.





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Massey University



Te Kūmanga
ki Pūrehuroa

General Notices

editor@massey.ac.nz

Qualification Reviews

This notice is to invite submissions as part of the 2007 College of Education qualification reviews. The qualifications to be reviewed and closing dates for submissions are:

Graduate Diploma in Education/Postgraduate Certificate in Education/Postgraduate Diploma in Education, July 31

Graduate Diploma of Teaching (Primary), June 06

Te Aho Tatairangi, August 28

Certificate in Human Development September 18

These reviews aim to provide an opportunity for the University to continually enhance and improve its qualifications. A panel of experts, internal and external, national and international will be brought together to conduct each review and consider relevant documentation provided by the university as well as oral and written submissions.

Should you have any queries on any matter relating to these qualification reviews, including making a submission please contact: Pat Hickson, Project Administrator, College of Education, Email p.hickson@massey.ac.nz

TELEVISIONS AND VCR'S FOR TENDER

Written Tenders are invited for the purchase of 10 x Televisions and 10 x VCR's ex seminar rooms. Televisions range in size from 25 to 29 inch and are of various brands and models. VCR's are also of various brands and models. Tenders can be for all items or individual items.

Televisions and VCR's can be viewed at Central Stores by contacting Alan Temperley on (06) 356 9099, Ext. 7422 (am) or Extn. 2525 (pm). Tenders are to be inclusive of GST and be addressed to:

TELEVISION AND VCR TENDER
PROCUREMENT & INSURANCE
OFFICE
MASSEY UNIVERSITY
PN 902
PRIVATE BAG 11 222
PALMERSTON NORTH

Or alternatively placed in the Tenders Box in the entrance of the Te Ara Building, Hokowhitu Campus, Palmerston North.

Tenders close 2.00pm Friday 22 June 2004

Highest for any tender not necessarily accepted.

Massey News Online

If you want to read the latest in news from Massey University, complete with colour pictures and video clips, or if you want to sign up for one of an expanding range of e-mail newsletters, visit us online.

@Massey National

A fortnightly newsletter with the latest in news and research from the University's three campuses in Auckland, Wellington and Palmerston North.

@Massey Manawatu

A fortnightly newsletter providing news of interest to the Manawatu community, including cover of events and activities at the Palmerston North campus, as well as wider University news.

@Massey Business

A quarterly newsletter providing a snapshot of business news of value to the business community, from across the University.

@Massey Arts

A quarterly newsletter providing news of events and activities in design, fine arts and music, of particular interest to the Wellington arts community.

See for yourself what makes *Massey News* one of New Zealand's most popular news sites.

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

Submission of notices and events:

Submission of event notices should be made through the events website: <http://events.massey.ac.nz> by 12 noon Monday prior to publication.

All general notices should be sent to the editor editor@massey.ac.nz

Next deadline: Monday 21 May 2007

11 Pipiri 2007 - Issue 7

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Notices: All notices should be sent to editor@massey.ac.nz by Monday prior to publication. Event notices should be submitted to the web - <http://events.massey.ac.nz> and classifieds to <http://ads.massey.ac.nz> (please note that classified advertisements are a service for University staff. These are not published in the print edition of Massey News.

Advertising: All classified advertisements, including accommodation, are now available online at <http://ads.massey.ac.nz>. For paid advertisement enquiries, contact the editor.

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Professor Philippa Gander parades down Lambton Quay with Dr Ridvan (Riz) Firestone.

Graduation Wellington



MBA graduate Jack Morris didn't have far to go – he works next to Civic Square as an asset planner in the Wellington City Council's infrastructure group.



Bachelor of Engineering Technology graduates Oshana Jouna, Ahmed Asaad and Majid Al-Ebady.



Fashion and Textile Design lecturer Sandy Heffernan (centre) with Ngahuia Damerell and Emma Cassidy, who are both working in Auckland.