



# Massey News

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ki Pūrehuroa



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Manager of professional programmes at the School of Aviation, Frank Sharp, with James McCarthy, designer of the system that is a new safety feature in training aircraft.

## New tracking system boosts pilot safety

Pilots will no longer be out of sight as they fly cross-country thanks to a new tracking system developed by a University mechatronics graduate and a former staff member.

James McCarthy and Don Sandbrook developed the Spidertracks system to combat radar blackspots – areas where no radar coverage exists – meaning planes can now be located at all times.

Mr McCarthy worked with the University’s School of Aviation to trial the system in its earlier stages and now, in a significant commitment to safety, the School has bought five units.

The palm-sized Spidertracks unit picks up a global positioning systems (GPS) signal giving the plane’s position, transmits it to the Iridium satellite network and beams it down to servers in Australia and Wellington.

From there the signal travels via the web to the operations base. In real-time, the route of the craft is overlaid onto Google Earth maps. Updates on the position of the plane appear every few minutes for as long as there is a power supply to the Spidertrack unit.

School general manager Captain Ashok Poduval says buying the system is a major step in enhancing safety for any a student

pilot who is lost or in difficulty due to unexpected bad weather.

The units will be used in selected aircraft as student pilots fly through parts of the country where there is no radar cover. Until now the position of the training planes flying outside of controlled airspace – much of New Zealand – would have been worked out from a flight plan submitted by the pilot, showing the intended route before departure.

Spidertracks is different from all other satellite tracking systems because Mr Sandbrook discovered a way to integrate a GPS receiver and satellite transmitter into one unit, without the need for external antennae – the first time this had been done.

Captain Poduval says the new tracking equipment also adds training value.

“The system keeps a record of all flights flown so instructors can print out details of the track flown by a student and use this for post-flight debriefing.”

Spidertracks is now used by helicopter, fixed wing and land-based operations, in more than 25 countries.

Wings ceremony page 2



At the Wings ceremony (from left): School of Aviation general manager Captain Ashok Poduval, professional programmes manager Frank Sharp, Nigel Goh, Weiyang Samuel Cheong, Aaron McAuliffe, Sarah Collinson, Clinton Eiland, Adam Gibb, Slimson Lingi, Patterson Tariwisi, Dallas Patten, Grey Buckleton, Director of Civil Aviation Steve Douglas, flight instructor Craig Whyte.

## Combining skills mean New Zealand pilots fly high

Combining practical flying skills with academic study makes for an unusually good qualification, Director of Civil Aviation Steve Douglas told graduating aviation students at their Wings Ceremony in Palmerston North last week.

The qualification offered by the School of Aviation is an unusual one, Mr Douglas told the newly qualified pilots, because it is a degree programme that offers a different approach to the overall training of pilots and incorporates the discipline of study.

"As entrants to the civil aviation system, the culture and attitudes that you bring and that you develop, will be vitally important to the

health of the aviation system in the future."

Fourteen Bachelor of Aviation students received their Wings insignia from the Palmerston North-based school, marking the completion of the two years of flight training that is part of their four-year degree programme.

All are now qualified as both private and commercial pilots.

On the completion of flying training the students must take a number of academic papers to gain their degree. Some will study extramurally and are already seeking work with airlines. Some have entered the instructor training programme at the school.

Advances in aviation have been rapid and spectacular, Mr Douglas told the group.

"Public interest in aviation is high and this is matched by the public's expectation of high performance and safety in aviation. You have chosen a brilliant career. Aviation is a broad, modern and exciting area of endeavour.

"There is a high international demand for pilots. Pilots trained in New Zealand make excellent employees because they have a can-do and practical approach and they are used to carrying out many tasks."

Family and friends travelled from around the country to celebrate with the students at the presentation, held at Whararata.

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Postgraduate student Aimee Cornish watches Allan Wain undergo testing at the end of a 12-week high-intensity exercise programme.

## High-intensity training helps heart patients

Cardiac patients from the community are benefiting from new exercise rehabilitation research at the University's Exercise and Sport Science Division.

Aimee Cornish, a postgraduate health science scholar, is writing her honours thesis on high-intensity interval (short burst) training in cardiac patients. She says volunteers from a moderate-intensity programme stepped up to the challenge for more rigorous high-intensity interval training.

The volunteers exercise three times a week at the Wellington campus fitness centre, where they also have their heart rate, blood pressure, and resting measurements taken.

"People had been doing moderate intensity – some for quite a long time," Ms Cornish says. "They were seeing some plateaus. We were hoping to break the plateaus to see greater gains."

Ms Cornish says shorter bursts of high-intensity activity mirror real life more accurately than prolonged periods of low-intensity physical activity.

Allan Wain has been taking part in exercise rehabilitation projects since his heart attack in 2005.

Research director Dr Sue Broadbent says Mr Wain, one of 26 people to take part in the latest project, now has the health status of a well man his age.

"He's gone from someone who had typical measurements for a man in a chronic disease group to someone with rates consistent of a normal male in his 50s."

Testing has shown cholesterol and blood pressure are down significantly across the group, Dr Broadbent says. Some participants have also lost weight, and their body mass index decreased.

"We are seeing significant differences between the start and end points."

Dr Broadbent says with very little research going on into exercise rehabilitation in cardiac patients, the programme and its results are pioneering.

"The high intensity exercise mimics daily life or getting back into sport – which is something people often want to do but are nervous about after a cardiac event."

The 12-week programme is one of the first of its kind in New Zealand, with all participants referred by their doctors.

Mr Wain says the programme, run at the University cardiac clinic, benefits clients as well as students.

"This is about behaviour change," he says, as he unwinds after a series of tests.

"Stepping up another level was just about the challenge for me. And it shows the benefits of exercise as opposed to drugs in rehabilitation."

The Massey alumnus says the rehabilitation programme has helped him enormously.

"I used to take the records from Massey to my doctor to put some pressure on to come off the drugs. And when I did, it was like someone cutting the bungy cord behind me."

Mr Wain says he will definitely continue with his high-intensity interval training now the project is finished.

The keen skier is looking forward to testing his fitness on the slopes soon.

"There's no substitute for extra time on the mountain."

Allan Wain's data: over 12 weeks his blood pressure decreased from 120/76 to 115/70; resting heart rate decreased from 64 beats-per-minute to 60; weight decreased from 89kg to 87kg; BMI decreased from 27 to 26.5; hand grip strength increased from 47kg to 51kg; aerobic capacity (measured in ml of oxygen per kg body weight per minute of exercise) increased from 24.5 ml to 30.0.

## PE pathways strengthened

Pathways into secondary teaching of physical education will be strengthened as the College of Education reviews its programmes. The move means discontinuing the Bachelor of Education Teaching (Secondary) programme, while strengthening the Graduate Diploma in Teaching.

Director of Teacher Education Dr Sally Hansen says students currently enrolled in the Bachelor of Education Teaching (Secondary) will continue until they finish in two-and-a-half years' time. Staff will be able to devote more time and energy to the physical education major in the Graduate Diploma programme, she says.

"The Bachelor of Education Teaching (Secondary) is a specialist degree that was created as a physical education pathway into teaching. At the time this recognised it was a targeted area for development by the Ministry of Education

"However, it's no longer a targeted area, and student enrolments in the programme have dropped due to a number of factors outside of Massey, including the withdrawal of TeachNZ scholarships allocated for physical education."

Dr Hansen says students wishing to become secondary physical education teachers can complete a Bachelor of Sport Exercise (which includes some optional education papers) at Massey, and undertake a one-year Graduate Diploma in Secondary Teaching through the College of Education.

"Massey is absolutely committed to secondary teaching," Dr Hansen says. "This was not a decision made lightly, but one that does allow us to build on the strengths of current graduate and undergraduate programmes for the benefit of everybody."

## Not enough done to bridge New Zealand's reading gap

College of Education Pro Vice-Chancellor Professor James Chapman has called for more effort to bridge the widening gap between good and poor readers and halt the downward trend of New Zealand children's reading abilities compared with those of other countries in the Organisation for Economic Co-operation and Development.

Professor Chapman says the recent Dyslexia Awareness Week put the spotlight on the 70,000 children in New Zealand who are affected by the learning disability and the need for effective delivery of research-based teaching to meet these children's needs, as well as a more robust policy to identify them.

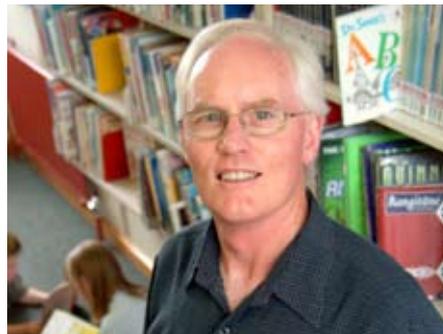
According to international surveys, reading abilities of New Zealand children are falling in comparison to their OECD counterparts.

"New Zealand teachers have not been prepared to meet the special needs of students with dyslexia. Reading researchers at Massey, however, are very familiar with the latest research on the causes, characteristics, and remedial approaches relating to dyslexia," Professor Chapman says.

"New Zealanders generally do not have as good an understanding of dyslexia as in other countries where the disability has been recognised for decades."

Professor Bill Tunmer, from Massey's School of Educational Studies, says the Ministry of Education's reading recovery programme simply isn't working. He says some students are not suited to the programme – particularly those with the highest risk of not being able to read – and that many teachers are not equipped to cope with the challenges.

"The teaching of literacy skills is different to other areas of education," Professor Tunmer says.



Professor James Chapman.



Professor Bill Tunmer.

The University offers the only Master of Literacy Education programme in New Zealand. The programme includes course work that directly addresses topics relating to persistent literacy learning difficulties – dyslexia – and is taught by leading international authorities in dyslexia research.

The College of Education will host a conference at the Wellington campus next January to present the latest research and practice on dyslexia to teachers, parents and policymakers.

More information on the conference can be found at: <http://www.eenz.com/dyslexiaconf09/>

## First professor of public relations appointed



Dr Krishnamurthy Sriramesh.

The University has appointed Dr Krishnamurthy Sriramesh as its first Professor of Public Relations.

Based in the Department of Communication, Journalism and Marketing at the Wellington campus, Professor Sriramesh is recognised as a world authority on the internationalisation of public relations.

In his 17 years as a university educator, Professor Sriramesh has been a visiting professor in the United States, Europe and Asia and he currently serves on the editorial boards of a number of public relations and communications journals.

Department of Communication, Journalism and Marketing head, Associate Professor Frank Sligo says Professor Sriramesh's leadership will take Massey's strong public relations research programme to the next level of international excellence.

"We are delighted to welcome Professor Sriramesh to Massey University. It is an honour to be joined by an international scholar of such high calibre and to work with an educator and researcher of public relations who is held in such enormous worldwide esteem," Dr Sligo says.

Professor Sriramesh holds a Chair in Public Relations and has won a number of awards for teaching and research.

In 2004 he was the recipient of the prestigious Pathfinder Award from the Institute for Public Relations (USA) for original scholarly research contributing to the public relations body of knowledge.

Before coming to Massey University he was Associate Professor at the School of Communication and Information at the Nanyang Technological University, Singapore.



Associate Professor Christine Thomson and Professor Hugh Blair, both of IVABS, try some of the new cell culture equipment with Gareth Pryme, sales manager for equipment supplier bio-strategy.

## Veterinary research training gets shot in the arm

A new cell culture lab is the first of a series of initiatives undertaken by the University to boost veterinary and animal science research.

The \$250,000 funding of Cell Culture Central (CCC) is part of the multimillion dollar Building Research Capability in Strategically Relevant Areas initiative, supported by the Tertiary Education Commission. It targets subjects where the performance-based research fund results revealed gaps in areas of strategic relevance to New Zealand's development.

Head of the Institute of Veterinary, Animal and Biomedical Sciences, Professor Grant Guilford says that the overall initiative is to help overcome three key strategic constraints to veterinary and animal science research: under-investment; the need for the veterinary school to employ a predominance of clinically-orientated teaching faculty who have only limited time available for research; and the inadequate research training of many younger veterinary academics.

"The project has established a series of funds to promote collaborative research in selected animal science and animal health research areas to link new researchers, especially clinicians, with experienced science teams.

"A training fund has been created to assist

academic staff complete their PhD studies. Cell Culture Central has been established to enhance access to fundamental research techniques [and] to modern cell biology research techniques, training in cell culture research technique, core research facilities and the technical support necessary for staff to become research-active at the international level."

The new lab provides facilities and expertise in mammalian cell culture, to assist in research projects the University and wider science community.

CCC director, Associate Professor Christine Thomson says cell culture is one of the fundamental techniques underpinning biological sciences. Cell culture techniques aim to grow and differentiate cells in vitro, that is in a Petri dish, or a culture flask in an incubator.

"These cultures can then be used to study basic cellular appearance, the cell's physiology and function, the effects of drugs and mechanisms of disease," Dr Thomson says.

"In general, cell culture techniques can be used to see how cells interact with each other and with infectious organisms, such as viruses or bacteria."

The lab is a clean facility that does not undertake study on infectious organisms.

The NeuroCentral Research Laboratory, which is incorporated into CCC, revolves around the mammalian central nervous system. Research projects are aimed at investigating factors influencing the formation of the insulating myelin sheath, that surrounds nerve fibres.

This research is relevant to basic neurobiology and to diseases involving myelin, such as multiple sclerosis. Developing a functional interface between the nervous system and conducting polymers is a new collaborative project being established in conjunction with Dr Craig Johnson of IVABS and Associate Professor Ashton Partridge from the Nanomaterials Research Centre. Additionally, cell culture studies are being carried out by Sarah Taylor and Professor Elwyn Firth, aiming to improve tendon healing in racehorses.

Professor Hugh Blair formally opened Cell Culture Central last week, with staff from across the University attending to view the new facility.

More than 50 students have already undertaken training.

## Convincing small business managers to upgrade skills

Working out how to convince the managers of small businesses to embrace opportunities to upgrade their management skills is a new challenge to business researchers from a consortium of economic development and government agencies.

The University's Centre for Small to Medium Enterprise (SME) Research has been awarded a grant of \$48,600 from the Management Focus campaign launched recently by the Minister for Economic Development, Pete Hodgson.

The campaign is a collaborative initiative between the Government and business to build world-class managers and to raise the awareness of SME managers to the opportunities that are available to help them improve management skills.

The Massey research team will conduct research into what can be done to get small business owners more involved in capability building activities.

"By leveraging the talents and resources of tertiary, industry and private sector organisations, the result is a focused, co-ordinated and joined up effort to help New Zealand firms improve their management capability," the Minister said.

The centre was established in 2000 under the directorship of Professor Claire Massey and builds on the University's long involvement with SMEs by undertaking research, consultancy and extension activities for organisations involved in SME development.

It has established a longitudinal study known as BusinessSMEasure, which is designed to be New Zealand's first comprehensive study of the practices of owners and managers and the performance of their firms.



Professor Claire Massey.



The Massey project team: Pia Pechtel, Dr Shane Harvey, Brent Gardiner, Dr Jo Taylor, Professor Ian Evans, Cheryl Woolley, Jhanitra Gavala, Jan Dickson and Dr Ruth Mortimer.

## Guidelines for sex abuse counsellors released

New guidelines for the treatment of survivors of sexual abuse, developed by Massey psychologists, were released last week.

*Sexual Abuse and Mental Injury: Practice Guidelines for Aotearoa New Zealand* was commissioned by the Accident Compensation Corporation. The corporation provides counselling and sometimes compensation to people who have been sexually abused.

The Director of the University's Psychology Clinic, Cheryl Woolley, says the guidelines will be a practical reference tool based on best practice principles.

"The guidelines are important because practitioners from a number of disciplines counsel survivors of sexual abuse," Mrs Woolley says.

"Counsellors, psychotherapists, social workers, psychologists and psychiatrists are all involved. It's not an academic tome, but rather a product designed to help practitioners make decisions in the context of daily practice."

The guidelines include sections on working with victims of all ages and cultures.

Mrs Woolley says the guidelines went through a rigorous peer review process by international and national experts.

Mrs Woolley and her team, along with representatives from ACC, are embarking this week on a national road show to introduce and discuss the guidelines with counsellors. They will visit Auckland, Hamilton, Palmerston North, Wellington and Christchurch.

## Leading research to be showcased in lecture series

Distinguished Professor Kerry Howe will open the College of Humanities and Social Sciences Professorial Lecture Series early next month.

The series will feature five leading researchers from the college, showcasing their most recent work.

Professor Howe's lecture is entitled *The Dating Game: When did humans first arrive in New Zealand – and why do the answers change?*

"Of particular interest is the nature and timing of first human arrival in New Zealand," Professor Howe says.

"The answers have changed radically over time, and still continue to evolve. I survey older theories as well as current research, which has to do with such unlikely topics as volcanic eruptions, burning bushes and rat nibbles."

Professor Howe will also address the reasons why varying theories exist.

"I am interested not just in the answers themselves, but why they vary over time. The big question is why do we know what we know? What are the underlying priorities, agendas and theories which lead different generations of scholars to construct their



Distinguished Professor Kerry Howe.

different 'truths'?"

Professor Howe's lecture will be held at the Auditorium in the Old Main Building at the Palmerston North campus at 3.30pm, on Wednesday 9 July.

Four more lectures will follow, held each month, until November. All lectures are free and open to the public, with refreshments served afterwards.

The lecture series is being organised by Professor

Cynthia White from the School of Language Studies and Associate Professor Glyn Harper from the Centre for Defence Studies.

Dr Harper says research is a central activity the College of Humanities and Social Sciences.

"The college's research includes outputs that contribute to a wider understanding and greater knowledge of the human condition. This is reflected in the five presentations of the Professorial Lecture Series of 2008."

The full Professorial Lecture Series programme is available online:



Bird in the bush: Vet resident Lisa Argilla releases the kaka.

## Kaka home safely after surgery

A lengthy spell in New Zealand's wildlife health centre ended for one lucky kaka when his surgeon returned him to his Kapiti Island home.

Vet Lisa Argilla made the boat trip to return the kaka after following his progress for several months.

"He arrived from Kapiti on 9 April with a suspected broken leg. X-rays confirmed he had a closed, displaced, transverse mid-shaft fracture of the tibiatarsus – the nearest human equivalent would be his shin. The fracture was straight through the middle of the bone and the two ends were displaced, overlapping and making the leg shorter.

Ms Argilla became involved in the case as one of four postgraduate students specialising in wildlife, zoo animal and avian health.

"I did the surgery on 11 April and placed a steel intra-medullary pin into his leg as well as an external skeletal fixator to repair the bone. The surgery was challenging because the

bones were so overlapped I had to very gently stretch them and the muscles apart to realign the leg."

The pin remained in place for six weeks, Ms Argilla says, enough time for the bone to stabilise and a callous to form over the fracture site. The pin and external support were then removed, with the bird spending a few more days in the ward to ensure his recovery was complete.

"The rest is history – successful repair, and a happy, free bird."

The adult kaka was released on Kapiti, the only large island sanctuary for birds between the Hauraki Gulf and New Zealand's southern outlying islands, with Department of Conservation ranger Dave Wrightson. On release, the bird flew straight into bush, showing no sign of his injuries, watched from amid the trees for a few moments and disappeared back into the 1965 hectares of native bush.

## Top Fulbright award for alumna

Massey alumna Fiona Miller has been awarded one of three prestigious Fulbright scholarships for PhD or MBA study. The Platinum Triangle Award, worth \$100,000, is for a promising New Zealand graduate student to complete a masters degree at a United States university.

Ms Miller gained a Bachelor of Applied Science (with Honours) at Massey in 1998 and will use the scholarship to complete a Master of Business Administration at the University of California, Berkeley.

She is one of 10 Massey students, staff and alumni among the 66 Fulbright scholarships awarded this month.

Luke Di Somma, who holds a Bachelor of Music (Hons) from the New Zealand School of Music, received a general graduate award. He will complete a Master of Fine Arts degree in musical theatre writing, specialising in composition of musical theatre and opera, at New York University.

Amanda McRaven from Free Union, Virginia is currently using her US graduate award to complete a Master of Philosophy degree in Community Theatre at Massey. She is specialising in the portrayal of myths in a multicultural theatre performance.

A senior lecturer in Sport Management and Coaching at Massey University, Sarah Leberman, has used her senior scholar award to research the roles of women in sports leadership at the University of Minnesota, Twin Cities in Minneapolis.

Brian McDonnell, a senior lecturer in Media Studies, has been awarded a Visiting Lectureship in New Zealand studies. He will teach a course in New Zealand film and literature at Georgetown this year.

Five Massey lecturers have been awarded Fulbright travel awards, given to academics, artists or professionals to visit the United States so they may present papers, give lectures or collaborate with colleagues. Isabel Castro and Susan Cunningham from the Ecology Group will present a series of seminars on kiwi and conservation in New Zealand in San Diego, California.

Huia Tomlins-Jahnke, an Associate Professor of Maori Education and Graeme Wake, an Adjunct Professor of Industrial mathematics have used their awards to give lectures in the United States. John Psathas, a composer at the New Zealand School of Music, undertook a three-week professional and academic tour of the United States.

The Fulbright programme offers New Zealand students, scholars, artists and professionals the opportunity to study, teach and research in the United States. Scholarships are also given to their American counterparts to study here.

# Snapshot of contribution to Māori advancement



James Graham.

A snapshot of Te Aute College's contribution to Māori advancement for more than 150 years was presented at a lecture at the Palmerston North campus last week.

College of Education lecturer James Graham (Ngāti Kahungunu, Ngāi Te Whatuiāpiti) received a University award last year to enable him to take time away from teaching to do the research. He will present a sample of his findings at the Hokowhitu site as part of the Te Mata o Te Tau – Academy for Māori Research and Scholarship lecture series.

Mr Graham is based at the College of Education's Ruawhāro Centre in Napier, and his research is part of the PhD he is completing in Māori education.

His lecture centred on the lineage and traditions over the Hawke's Bay college's 154-year history and looks at the experiences and contributions of multiple generations of students, and the precedent each generation set for the next to follow. "There have been layers of distinctness between generations of students for more than 150 years. However, Te Aute College has been the common denominator," Mr Graham says.

"Late 19th century scholars paved the pathway for subsequent generations and laid the foundations for Māori contribution. In particular, the establishment of the Te Aute Student Association, which later became the Young Māori Party, was a significant period and included the likes of the young Apirana

Ngata, Maui Pomare and Te Rangihiroa (Peter Buck), who all went on to receive knighthoods.

"They set a benchmark for subsequent students of Te Aute and Māoridom in general. Te Aute scholars are connected by whakapapa (lineage) and connected by the kinship of attending as a student and joining the community of Te Aute."

Mr Graham is definite that Te Aute has made a significant contribution to Māori advancement and New Zealand society as a whole. He says the contribution is distinctive and widespread, in politics, health education, religion, armed services, rugby, and farming. As well as fostering a sense of tribal identity and Māori identity among its student body.

During his research he employed a whakapapa approach looking at ancestral precepts – the traditions, values, experiences, narratives and teachings passed down from generation to generation – and applied those precepts to his research.

"Initially when I started my PhD research I was advised to pick a topic I was passionate about. I have a personal connection through whakapapa to Te Aute."

Mr Graham is a college old boy and is a descendant of Ngāi Te Whatuiāpiti, the hapū that donated more than 1600ha of land for the school. "While my research is about Te Aute, it is reflective of Māori boarding schools. All have a whakapapa in terms of their contribution to

## More film success for Massey graduate

Bonnie Slater hopes winning the top prize for the third successive year in the Wellington 48HOURS film competition will lead to a feature film in the near future.

Ms Slater, a graduate of the School of English and Media Studies, produced the film *Darlene*, which won best film at the sold out awards ceremony in Wellington's Embassy Theatre.

The film also won best script, best cinematography, best use of a prop and most perfect moment awards.

The competition gives 600 teams across New Zealand 48 hours to make a film from idea to completion.

Each team is randomly allocated a genre and must include a given character, line of dialogue and prop in the film.

Ms Slater's team was given the juvenile delinquent genre to work with. She says they drew on films from the early 1960s as inspiration.

"The films of James Dean are the first that come to mind when you think of this genre, but we didn't want to limit ourselves to adolescent characters.

"*Darlene* tells the story of a young thief who

becomes infatuated with an older man she has robbed in the past; it's a coming of age story."

Ms Slater says her team, Smashing Pants, is hoping to win the national final where more than \$60,000 in prizes is up for grabs.

"We're currently developing a feature that will definitely make people sit up and take notice.

"Winning the nationals would be a genuine leg-up to getting our film made."

The team's success in the competition over the past three years has industry people keen to help.

"If this is what we can do in 48 hours with limited equipment and no budget, imagine what we could do with more time and a budget."

Ms Slater works as a freelance television producer and has worked on shows such as *Sensing Murder*, *Mitre 10 Dream Home* and *Location, Location, Location*.

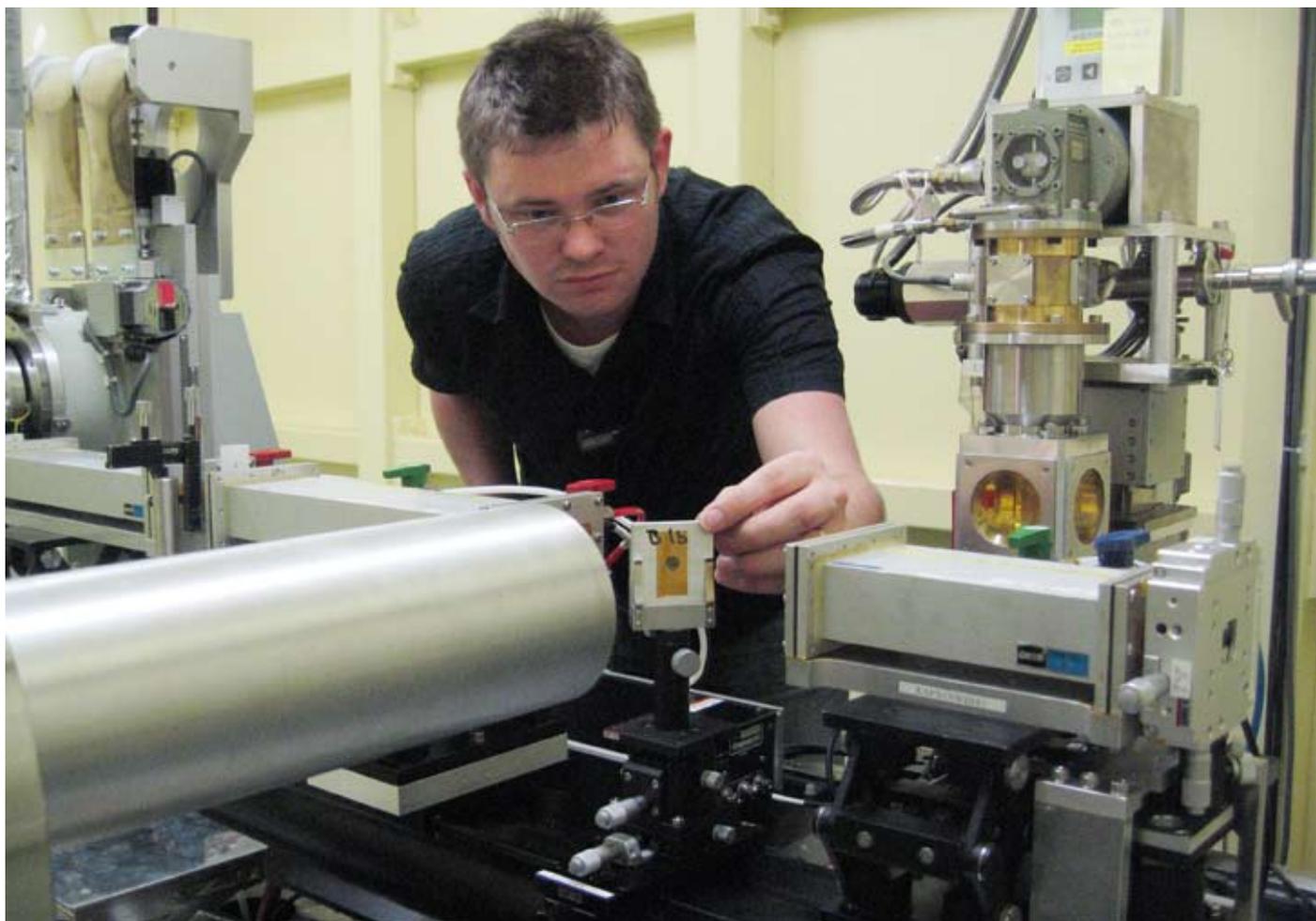
She says completing a BA in Media Studies at gave her skills a theoretical base.

"I then went on to the New Zealand Film and Television School and learned the practical side of the industry."

The national final of the film competition is to screen on C4 on Thursday 3 July.



Darlene Mohekey (playing title character).



Postdoctoral fellow Dr Aaron Marshall places a small piece of plant matter in the beam line of the 6.5 GeV Synchrotron at the Japanese Photon Factory in Tsukuba.

## Synchrotron coup for nanoscientists

Funding from the New Zealand Synchrotron Group enabled Dr Aaron Marshall and Professor of Nanotechnology Richard Haverkamp to travel to Japan earlier this month, taking up an offer of free access to the Photon Factory's synchrotron, one of the world's most powerful, for 72 hours.

Dr Marshall applied for access to the synchrotron in order to further a project initiated by Professor Haverkamp on how plants make silver nanoparticles.

"We had some plants here which have made silver particles and we know there is a lot of silver in there but don't know what form it is in – is it ions or how much is metal, the parts

we want to produce," Professor Haverkamp says.

"The Japanese synchrotron you can stick a bit of the plant in it and it tells you the form the silver is in, using a very precise wavelength, which is why it couldn't be done here."

Professor Haverkamp says the results were startling.

"We found the composition of silver as a metal and other components but what was more interesting than I expected was that there appeared to be a limited quantity of metal particles the plant would make."

The finding has implications for the use of plants to mop up heavy metals in the soil,

phyto-remediation, Professor Haverkamp says. Dr Marshall has received another grant of \$18,850 from the New Zealand Synchrotron Group to conduct further synchrotron-based experiments connected to his work on catalysis and hydrogen production.

This will involve conducting in-situ experiments at synchrotron facilities, so that the atomic structure of catalytic nanoparticles can be determined while reactions are taking place on the surface of the nanoparticles.

The powerful Photon Factory synchrotron is an inter-university Japanese government-funded collaboration, which is usually available at a cost of NZ\$50,000 per day.

## Home affordability continues to improve slowly

There has been a very small improvement in home affordability in the past quarter of just 0.6 per cent, says the latest report from the Real Estate Analysis Unit.

The home affordability formula used by the real estate analysis unit is driven by three variables – one is house prices and the other two are mortgage interest rates and wage rates, says unit director, Professor Bob Hargreaves.

The movement in these figures over the quarter ending 31 May resulted in the small shift in affordability of 0.6 per cent, he says.

Four of the 12 regions tracked by the unit

showed improvements in affordability:

Central Otago Lakes 10.9 per cent, Canterbury/Westland 6.4 per cent, Waikato/Bay of Plenty 6.2 per cent, and Nelson/Marlborough 5.4 per cent. The regions showing a decline in affordability were Northland 21 per cent, Auckland 4.9 per cent, Southland 4.3 per cent, Manawatu/Wanganui 3.6 per cent, Taranaki 2.8 per cent, Hawke's Bay 1.5 per cent, Otago 0.7 per cent, and Wellington 0.2 per cent.

Viewed on an annual basis however, the figures still point to a decline in affordability of 1.5 per cent, Professor Hargreaves says.

Although Southland is still the most affordable place to buy a house, it had a 32.9 per cent decline in affordability over the past year.

This decline was followed by Central Otago Lakes 15.3 per cent, Northland 9.5 per cent, Manawatu/Wanganui 9.4 per cent, Otago 6.4 per cent, Nelson/Marlborough 5.2 per cent, Hawke's Bay 4.5 per cent, Taranaki 3.1 per cent, Waikato/Bay of Plenty 2.8 per cent, Wellington 2.8 per cent and Auckland 1.8 per cent.

For more details: <http://property-group.massey.ac.nz/>

## 'Power and Place' conference theme

The Department of Communication, Journalism and Marketing is hosting a large gathering of leading educators in the field at the upcoming Australian and New Zealand Communication Association Conference in Wellington from 9-11 July.

The annual conference for academics in the communications field reflects its capital city location with the theme of Power and Place.

A keynote speaker is the man credited with changing forever ideas about media power and public opinion, Professor Maxwell McCombs. He holds a Chair in Communication at the University of Texas, is widely recognised as a media and journalism scholar and is famous for his development of agenda setting theory.

Another keynote speaker is Australian Professor Jennifer Craik, who holds the Research Chair of Communication and Cultural Studies in the Faculty of Design and Creative Practice at the University of Canberra. Her presentation on dressing women for politics discusses the proposition that what women politicians wear attracts much more public and media attention than what they say or do.

The three-day conference at Wellington's Duxton Hotel will showcase the latest research in communications with a diverse range of papers presented by academics from both countries.

There will be a panel session open to the public on 10 July at 1.15 at the Duxton Hotel. The panel members will be Professors McCombs and Craik with author Nicky Hager, who is the New Zealand representative on the International Consortium of Investigative Journalists.

For more details on the conference see <http://anzca08.massey.ac.nz>

## Students reach out to community – for a cause

Raising funds and awareness for causes including the environment, hospice care and blood donation was all part of the learning experience for the University's second-year public relations students.

Students on the Wellington and Palmerston North campuses worked on behalf of a wide range of community groups, including the New Zealand Blood Service, Youthline, Arohanui Hospice, and for World Environment Day as part of service learning projects last semester.

Service learning originated in the United States, and involves students working with community groups to conduct hands-on projects as part of their curriculum.

Events included politicians and lecturers agreeing to have their heads shaved, or legs waxed to raise funds for Palmerston North's Arohanui Hospice, a blood donor drive which recruited 41 new youth donors, and collecting personal pledges to reduce carbon emissions.

Communication lecturer Dr Elspeth Tilley says the students were required to plan every element of their events, which were an important complement to in-class learning.

"Research shows this kind of service learning increases student motivation, improves long-term retention of course material, and leads to a greater sense of personal accomplishment," she says.

During one event, students elicited a pledge from Green MP Nandor Tanczos, who pledged to reduce his carbon emissions. At another Malcolm Plimmer and Iain Lees-Galloway, the National and Labour Party candidates hoping to replace Vice-Chancellor Designate Steve



Student Andrej Morgan (right) explains the blood donation process to Wellington student Deepti Parmar, as the Blood Buddy looks on.



Malcolm Plimmer and Iain Lees-Galloway agreed to a shaved head and leg wax to raise money for Palmerston North's Arohanui Hospice.

Maharey as the MP for Palmerston North, agreed to lose a little hair to raise money for Arohanui Hospice.

Dr Tilley says comments from students on completing the paper indicate the service learning assignment was one of the most challenging, yet most rewarding, experiences.

## Marae welcome for national haka champions

Massey's Te Kupenga o Te Mātauranga Marae at Hokowhitu was the scene of an emotional welcome last week for this year's national secondary schools kapa haka competition winners.

Te Piringa was named the competition winner at a prizegiving ceremony in Wellington recently.

The group, with members drawn from four Manawatu schools, returned to Palmerston North to share their success with whānau and friends. At the last nationals, in 2006, Te Piringa placed third and took what they learnt then, into their approach for this year.

Massey alumnus Leon Blake is one of the group's seven tutors. He says it may have been the group's simplicity that won on the day. "We have always tried to keep it simple; simple is our point of difference," he says.

Mr Blake says the group was formed 10 years ago and is relatively new. All students from Palmerston North Girls', Palmerston North Boys', Freyberg High School and Te Kura Kaupapa Māori o Mana Tamariki are



Te Piringa members warm up at Massey Wellington's Te Kuratini Marae before attending a prizegiving in Wellington, where they were named winners of the national secondary schools kapa haka competition.

invited to join the team. Mr Blake says while three of the four schools have more than 1000 students enrolled, it is still a challenge to fill the 40 places on the team. "We fielded 18 boys this year, the highest number of boys so far. We also had many first timers join, so we concentrated on keeping things simple and elegant."

Te Piringa has a close association with the University. It performed at Palmerston North's ceremony to honour Māori graduates last month and used Te Kupenga o Te Mātauranga Marae as its training base.

While in Wellington, the group rehearsed and stayed at the University's Te Kuratini Marae.



Gelato geniuses: Al Chen, Jane Wilson, Anthony Light, Bon Jin Koo, Anthony Derrick and Ray Li.

## Gelato geniuses scoop ice-cream awards

A dream assignment for the sweet-toothed has seen a group of food technology students at the Auckland campus sweep the Open Creative category of this year's New Zealand Ice-cream Awards.

It is the first time students from the university's food and technology programme have entered the event, with all four entries winning gold or silver awards for near-perfect gelatos.

Food technology lecturer Kay McMath says the students' success was "a real coup" as they were up against ice-cream industry professionals from companies such as Tip Top, as well as professional chefs and caterers.

All entries begin with a perfect score of 100 points, and marks are deducted for defects across 39 criteria, such as uneven ripples, air spaces in the container and flavour mishaps. Gold award certificates go to entries with 98 to 100 points, and silver to entries with 96 to 97.9 points.

Jane Wilson and Al Chen won gold for their Pink Lady gelato flavoured with cherry, coconut and stracchiarella (vanilla and chocolate flakes) and Anthony Light also

won gold for his combination of cappuccino, stracchiarella with ganache rib ripple. Ray Li and Anthony Derrick won silver for Black Night – a rich unison of chocolate and cherry, while Bon Jin Koo won silver for a traditional Italian tiramisu gelato.

The six fourth-year students at the Institute of Food, Nutrition and Human Health created the gelato range as part of a product development project requiring them to come up with an indulgently healthy snack for either children or adults.

They carried out focus group research to identify flavours consumers preferred then developed prototypes for entry in the awards, organised by the New Zealand Ice-cream Manufacturers' Association.

Clinton Fewtrell, a former chef and now business manager for dairy and meat ingredient supply company Prolux NZ, supplied the students with an Italian gelato machine, as well as imported Italian ingredients and flavourings and technical expertise on how to make gelato.

Gelato is the Italian word for ice-cream, but it is made with lower-fat milk than standard

New Zealand ice-cream, Mr Fewtrell says.

The essence of gelato is to use good quality ingredients and not to over-churn the mixture before freezing it, he says.

Mrs McMath, who is chief judge of the ice-cream awards, says judging is completed anonymously and the international judging criteria is very strict.

As a regular judge of the awards, which were introduced in 1997 and presented at the annual conference held in Christchurch this year, Mrs McMath and three other judges sampled more than 200 ice-creams, gelatos and sorbets. Frozen fare ranged from the divine to the disgusting – with chilli and corn being one of the stranger flavour combinations for ice-cream, and blue cheese and pear ice-cream one of the more original entries. Waxy textures and rancid nuts made the judging task less than mouth-watering at times, she says.

The Open Creative category is the only one open to entries that are not commercially available. Mrs McMath says the students' success was applauded by the industry and will be a great stepping stone into their future careers in the food industry.

## More than 70 alumni gather at fielddays

The University's alumni relations office again hosted an alumni event at Mystery Creek Fielddays this year. More than 70 former students and staff attended. Alumni ranged from Massey University 75th Medal recipient Dr Brian Wickham, who was visiting from Ireland, to last year's Ag student of the year agribusiness banker Sammi Werder.

Alumni services manager Leanne Fecser says the functions continue to be successful in bringing together younger alumni with more distinguished alumni.

"This helps facilitate networking, mentoring and possible career opportunities. The function also enables alumni to hear about the latest developments at the University and us to hear about their achievements.

"It is great to see such a range of alumni at this event to enable this interaction. And of course it is always great to catch up with our older alumni, like 80-year-old Jim Keir who studied at Massey in 1954 and has attended the Fielddays function for the last three years."



Dr Brian Wickham, College of Business academic services manager Anne Weir, Pat McDonald and Maurice McDonald (alumnus and former staff member).

# Origin of Matariki meaning shared

The origin of the name of the Māori new year, Matariki, was discussed in a lecture by University researcher Dr Rangi Mataamua at the Wellington campus last week.

Dr Mataamua has a PhD in Māori Studies and combines an interest in astronomy and traditional Māori star lore with interactive technology.

"The story goes that when Ranginui and Papatūānuku separated, Tāwhirimātea, the god of the wind, warred with his brothers and plucked out his own eyes and threw them at Ranginui", Dr Mataamua says. "His eyes stuck to the chest of Ranginui and those are said to be the eyes [mata] of the god [ariki] Tāwhirimātea.

"Trees, oceans and kumara all move and grow in a certain way, but the wind never blows from the same direction, this is because Tāwhirimātea is said to be blind and has to feel his way around."

Dr Mataamua has had a lifelong interest in the stars. "My grandfather on my pākehā side is an astronomer, he had star maps, and telescopes and talked to me about Greek mythology. My Māori grandfather talked about Matariki and other stars."

His presentation, aimed at a general audience was essentially an introduction to Māori astronomy, with a focus on Matariki. "For me Matariki is about practicing what our ancestors did, reviewing the past, assessing the current situation and planning for the future."

Dr Mataamua grew up in Levin but his Tuhoë roots are in Ruatāhuna and Waikaremoana, and those connections helped with his research.

"Thanks to [19th and 20th century ethnographer and historian] Elsdon Best, Tuhoë has one of the most comprehensive recorded histories. Astronomy is a field that not many Māori people know a lot about; I'm actually considering doing another PhD in this field."



Dr Rangi Mataamua.



Aikido "professor" Toshiharu Sawada.

## Getting a black belt in creativity

At first glance, the thought processes involved in design and the martial art of aikido appear to have little in common. But University senior lecturer in graphic design and PhD candidate Mark Bradford begs to differ.

Mr Bradford's doctoral research explores the possibilities for design leadership through the practice and philosophy of aikido – focusing on how we think, not what we think.

He says he has immersed himself in his own aikido training regime, and is taking what he has learnt and putting it into a design context.

"You imagine having a brainstorm with all the idea flying out from one central point," he says. "That is the same as an aikido situation – jiyuwaza – which features an individual defending themselves against multiple attackers. It's really trying to take the principals of aikido and applying them to the creative flow."

He plans to film and photograph a training session involving master instructor Toshiharu Sawada Shihan, from Japan, who

is in Wellington next month. Mr Bradford will analyse the footage and use it to illustrate the thoughts he experiences while he practices aikido.

He hopes this will enable him to share with others the relationship he perceives between aikido and the design process.

The next step will be to formulate questions for designers and aikido practitioners for his PhD research.

He will use his data and recorded footage when he presents a paper at the Fourth Arts of Management and Organisation Conference in Banff, Canada, in September.

Mr Bradford is a senior lecturer at the Institute of Communication Design in the College of Creative Arts at the University's Wellington campus.

The Sawada seminars are open to the public and are being held at the Tea Gardens, Old Museum Building, Block 10, Level C, Massey University on 1 July 7-9pm, 2 July 7-8.15am and 7-9pm, and 3 July 7-8.15am and 7-9pm.

# Entrepreneurs' saltwater solution nets global prize

A design for saltwater farming technology to grow sea asparagus has won a team of teenage entrepreneurs global honours in an international business competition.

The team of Year 12 and 13 secondary school pupils came first in the Global Enterprise Challenge competition against teams from 20 countries by designing the best water-saving scheme.

The team was one of 10 which spent a weekend at the Auckland campus recently, preparing business plans and presentations to determine the national winner.

School pupils worldwide simultaneously applied their business acumen to this year's challenge: Water is Planet Earth's most precious resource that is becoming scarcer by the day.

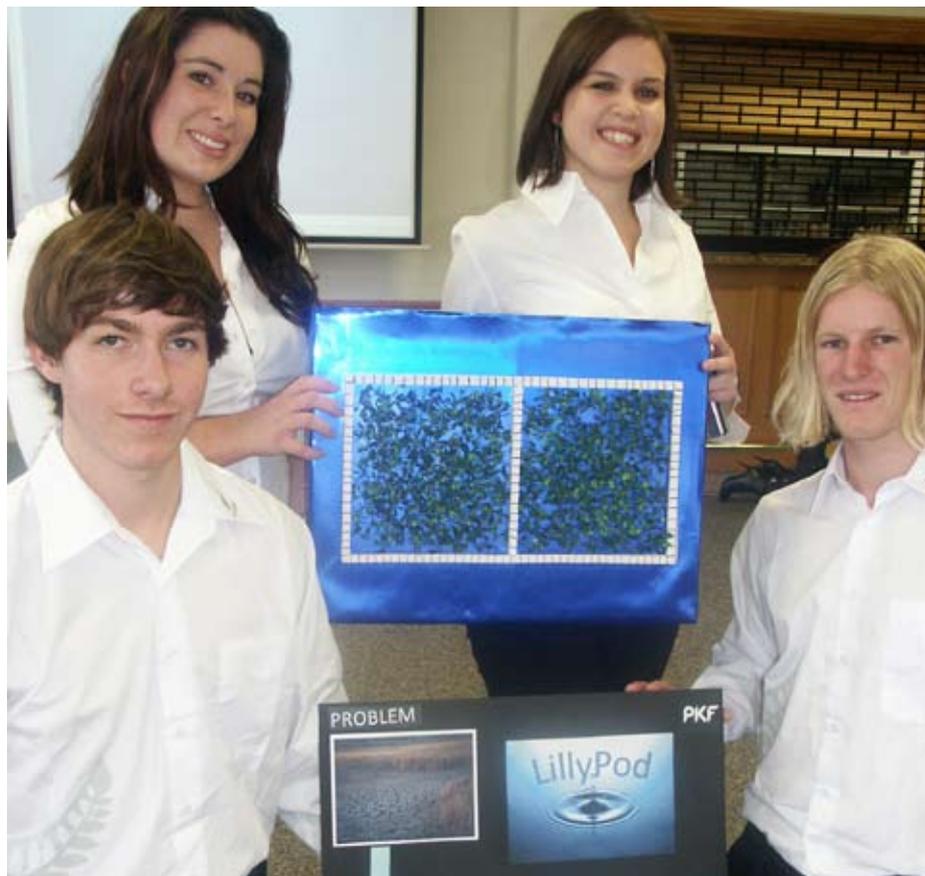
The challenge was to produce a working model of an innovative product, process, service or plan that would reduce the impact of growing demand on the world's dwindling water resources.

The winning team, which represented New Zealand in the global final, was chosen on Monday. The team then posted a three-minute video-streamed presentation judged overnight by an international panel, which included NASA chief scientist Dr Neil Pellis.

The team included four pupils from North Shore, two from Christchurch and one from Nelson, Invercargill and Rotorua – say they had never heard of *Salicornia* (a plant grown in salt water, also known as sea asparagus and considered a delicacy in top international restaurants) until they researched water issues when the global challenge was issued at lunchtime on Sunday.

For the next 24 hours they brainstormed, devised business, finance and marketing plans and created a business model. Their product, LillyPod, is a stand-alone saltwater farm for growing *Salicornia* using water-tight cells that connect together to form a unique eco-system.

"We're really passionate about our product,



With a mock-up of a sea asparagus cell and diagram (front) Adam Botterill - Westlake Boys' High School and Matthew Holt - Long Bay College, (back) Kristina Clarke - Long Bay College and Stacey Kenzelmann - Orewa College. Other teams members not pictured are Ben McNab - Rangiora High School, Louis O'Brien - St Thomas of Canterbury College, Melissa Eadie - James Hargest College, Michelle Panzer - Garin College and Brigid McLeod - John Paul College.

we really believe in it," said Kristina Clarke, from Long Bay College.

The 24-hour challenge is organised by Enterprise New Zealand Trust in partnership with New Zealand Trade and Enterprise, with Massey Auckland as host and principal sponsor for the event. Trust chief executive Donna Dentice said she was "over the moon" with the performance of the New Zealand teams.

"I'm really delighted. All of the teams were excellent but the winners stood out because

they came up with a big idea to solve the problem."

She said the win was confirmation of this country's ingenuity and its prowess as a nation of innovators and lateral thinkers. It is the third time in the past six years a New Zealand team has won the international award.

Every participant in the New Zealand leg of the challenge was given a scholarship valued at \$1000 from the College of Business, and the winning team members received scholarships worth \$2000 each.

## High achievers juggle class with university study

Thirteen pupils from Long Bay College have been studying at Massey in their final school year.

They are all in the extension programme for high achievers at the school and they were looking for a challenge because they had already completed NCEA Level 3 ahead of schedule.

The group took a University geography paper extramurally in a pilot scheme run by the school and they were monitored each day by their teachers at Long Bay College. One of the pupils also took a chemistry paper and another did an algebra paper.

Long Bay College principal Russell Brooke says: "It has been a great success and a true

academic extension for these students. In future it is likely our students will look at doing other subjects extramurally at Massey from school."

The Long Bay cohort came to Massey for a celebratory afternoon tea when they finished their papers.

From left rear: Long Bay College principal, Russell Brooke; Andrew Johnson, Chris White, Adam Kelly, Jean McCann, the teacher in charge of the gifted and talented students at the school; Howard Chiu, John Ong, Associate Professor of History, Peter Lineham; Callum Fairley, Hannah Burden; (front row) Megan Lyell; Laurien Heijs; Debra Mei.



# Industrial design graduate scoops awards

Industrial design graduate Alexander Wastney has won the eighth annual Dyson Product Design Award, edging out three of his Massey peers.

Mr Wastney – who was both outright winner and scooped the People's Choice award – designed a sports therapy table able to be packed down into a durable suitcase on wheels.

While studying at the University's Wellington campus over three years, Mr Wastney played for the Wellington Saints basketball team. His inspiration came from feedback from the team's physiotherapist who complained about existing table designs being heavy, cumbersome, and uncomfortable to sit and lie on.

Mr Wastney, 22, described being named the winner as "very significant".

"It's recognition of the hard work I've done on this major project during a pretty stressful year. That final year project was our dream project. To have it pay off and be acknowledged is brilliant," he says.

Mr Wastney is working as an industrial designer at New Plymouth company Howard Wright Limited, and now plays for the Taranaki Dynamos.

The other three award finalists are also Massey students or former students: Auckland-based Kent Hodgson, who invented a drink cooling system; Wellington's Matt McKinley, who designed a mobile sheep testing station for farmers to test pregnant ewes; and Kaitiaki builder Iain Tolladay, who invented a backpack-style harness capable of carrying wild game weighing up to 100kg.

Mr Tolladay was named runner-up in the award, and will be sponsored

by the British Council New Zealand and travel to Hong Kong in August to compete in the global 48-hour design challenge.

Lyn Garrett, undergraduate programme leader in industrial design at the Institute of Design for Industry and the Environment, says Mr Wastney's design explores unknown territory.

"Industrial design hasn't been there before and there's a very real need," he says. "All the finalists were hard workers, and all are achievers."

Mr Garrett says he regards the Dyson Product Design Awards highly due to the very thorough judging process.

The industrial design course is offered at Massey's Wellington and Auckland Schools of Design, and is part of a suite of specialist qualifications provided by the College of Creative Arts.

The Dyson Product Design Award is open to final-year students studying in the areas of design, technology or engineering and to graduates in their first five years in the workforce. The aim of the Dyson Product Design Award is to reward a new generation of emerging designers with ideas that best demonstrate innovative and inspiring solutions to everyday problems.

Mr Wastney is now the 2008 British Council New Zealand Design Ambassador and will travel to the United Kingdom to tour Dyson's Research, Design, and Development Centre.

He will also receive a package of prizes including legal and intellectual property advice, and membership to the Designers Institute of New Zealand.



Alexander Wastney's sports therapy table.

## Action ahead for Ag Partnerships for Excellence

Momentum is building around the Agriculture and Life Sciences Partnership for Excellence, and staff can expect to see progress on several projects this year.

The partnership brings together tertiary institutions, industry and business to build human capacity and capability to take New Zealand agriculture forward. It was awarded \$8.95 million from the Government, with a further \$9.2 million committed by industry. The Government funding received was capital in the form of a suspensory loan. Only the interest generated by the investment can be used to fund projects.

The Massey-Lincoln and Agricultural Industry Trust was formed in December 2006 to oversee project funding. When the fund had generated sufficient interest the Trust Board approved five initial projects for funding in September last year. A second round of funding applications took place earlier this year and a further six projects have now received funding support.

University Registrar Stuart Morriss says that the partnership objectives are visionary.

"Capability building has long-term benefits. However, even in the short-term there will be plenty to be gained from the projects that have now been approved and in fact several projects have been completed.

"One of the first initiatives supported by the trust enabled a group of students from both universities to participate in the Summit 2020 Conference late last year.

"This was the start of a high performance academy being built through the partnership.

It was a fantastic opportunity for our future industry leaders to rub shoulders with those of today, and one that would simply not have occurred were it not for the partnership project.

"The trust has funded projects that have initiated collaborative research, joint teaching, and collaborative professional development programmes.

"We have also completed an environmental scan of issues that will affect the industry within 10 to 15 years. The next step is to use this information to collaboratively plan a strategy with our industry partners to grow the human capability at Massey and Lincoln in line with the requirements and looming opportunities as seen by the industry," says Mr Morriss.

"What is really critical is that we are sitting at the same table, discussing and agreeing priorities for strategic directions, and talking to each other from a pan-sector perspective. That sort of collaboration is a significant advance on where we have been before.

"We have been totally open and honest about ensuring the universities are aware of what industry wants – we want to know what the issues and opportunities are.

"The only frustration is that we all want to make more progress more quickly. Keeping up with the pace of expectation our industry partners have for transformational change will be our challenge. But with the Fast Forward initiative just around the corner, this challenge is one we have to be up for.

The desire to real make progress is shared

by all of us as partners, and we are all working on making that happen."

Mr Morriss, who is leading Massey's involvement alongside Director of Massey Agriculture Professor Jacqueline Rowarth and Pro Vice-Chancellor of the College of Sciences Professor Robert Anderson, says the partnership is to act as a catalyst to enhance innovation and encourage industry-education collaboration.

"The trust is not a substitute for other funding sources," Mr Morriss says. "Its contribution is to enable new capability-building initiatives to get started – initiatives that might otherwise struggle to get off the ground.

"We're talking about building capability over 20 years. Our students of today are going to be our industry leaders in 10 to 20 years. So this is not just about short term funding opportunities. It's all about building the capability to ensure we have the right people in the right place at the right time into the future."

One project that will progress this year is the further exploration of a national vehicle to deliver research-led university level education in agriculture and life sciences. "We anticipate having a pathway forward by the end of this year.

"The partnership has shown that getting a collaborative model to work is a complex business but, given the pre-eminent position New Zealand has in agriculture, this project has potential to develop a new approach that will make a real difference to the way we deliver university-level education in agriculture in this country and internationally."

## 6 June

*scoop.co.nz*: Professor **Neil Pearce**, from the Centre for Public Health Research, heads a team of researchers that have received \$2.53 million for a project to build research in occupational health in New Zealand.

*Manawatu Standard*: **Joan Norrie**, from the School of Psychology, says education about the symptoms of head injuries and ways to manage them is the key to recovery from a mild traumatic brain injury.

*North Harbour News*: Dr **Nik Kazantzis**, from the School of Psychology, is heading a project that offers free Cognitive Behaviour therapy to first-time depression sufferers, in the hopes that it will help those who cannot afford treatment.

*Manawatu Standard*; *scoop.co.nz* (17 June): **Kerri Morgan**, from the Institute of Veterinary Animal and Biomedical Science, along with orthopaedic surgeon **Andrew North**, has helped 'Leap' the brown kiwi by realigning his luxated Achilles tendon after examining the tendons on a dead kiwi.

*North Harbour News*, *North Shore Times*; *sharr3.blogspot.com* (14 June): Dr **Ian Bond**, from the Institute of Information and Mathematical Science, has had a key role in the discovery of a planet outside our solar system that is potentially habitable, with the help of his number-crunching software.

*www.tv3.co.nz*; *Bay of Plenty Times* (7 June); *Gisborne Herald* (9 June); *Hawkes Bay Today* (16 June): Dr **Kimberly Powell**, from the School of Arts, Development and Health Education, says parents who want to give the best edge to their children in a competitive world put a lot of emphasis on excellence, which puts pressure on children to grow up early.

## 7 June

*The Press*, *The Dominion Post*; *Southland Times* (9 June): Associate Professor **Matthew Marshall**, from the New Zealand School of Music, says there is an international trend towards family concerts as classical musicians try to broaden their appeal.

*Manawatu Standard*: Dr **Brennon Wood**, from the School of People, Environment and Planning, says traditional dating can be traced back to a *Happy Days*-style America of the 1950s, and we cannot live together in a complex society without what are essentially, quite shallow interactions.

*Manawatu Standard*; *The Dominion Post* (11 June): Professor **Mason Durie**, Deputy Vice-Chancellor (Māori), has been acknowledged by the Royal Australian and New Zealand College of Psychiatrist in Melbourne for his commitment to psychiatry and mental health.

## 8 June

*Herald on Sunday*: Professor **Jacqueline**

**Rowarth**, from the Institute of Natural Resources, warns that New Zealand will lose its farmers unless their contributions to the country are valued more. Professor Rowarth has recently been made a Companion of the New Zealand Order of Merit in the Queen's Birthday Honours for her services to agricultural science.

## 9 June

*Radio New Zealand*, *waatea.blogspot.com*: Dr **Lis Ellison-Loschmann**, from the Centre for Public Health Research, has commented on the recent decision of the Health Research Council to spend \$2 million on research into occupational hazards for Māori workers, and says it is estimated that each year there are 20,000 new cases of work related illnesses and up to 1000 premature deaths.

*Radio Waatea*: Dr **Lis Ellison-Loschmann**, from the Centre for Public Health Research, discusses stomach and breast cancers in relation to its impact and prevalence among Māori.

*Hawke's Bay Today*, *www.sugarshockblog.com*: Dr **Naomi Brewer**, from the Centre for Public Health Research, and colleagues have found elevated blood sugar in people without a prior diagnosis of diabetes raises the risk of premature death.

## 10 June

*Nelson Mail*: Dr **Alan Cameron**, from the Department of Management, says there is more concern now about food security and people feel they cannot rely on imported food all the time.

## 11 June

*Radio New Zealand*, *waateablogspot.com*; *TV One Te Karere* (12 June): Dr **Denise Wilson**, from the School of Health Sciences, is urging Māori women to become the guardians of their own health.

*The Dominion Post*: Postgraduate student **Alistair Scarfe** has received the Dick and Mary Earle scholarship in Technology worth \$20,000, and is completing his thesis focused on the investigation of automating fruit harvesting by means of robotic arms and carrier systems.

*The Press*, *Southland Times*: Ms **Karen Witten**, from the Social Health and Outcome Research Evaluation Research Centre, has co-authored a study along with the University of Canterbury's Dr Jamie Pearce, which has found there is a strong correlation between a high number of alcohol outlets and low socio-economic levels.

*The Dominion Post*; *www.redorbit.com* (12 June): Dr **Sue Broadbent**, from the Institute of Food, Nutrition and Human Health, is directing research into the effects of high intensity interval training on people who have had a

cardiac episode, and says testing has shown cholesterol and blood pressure are down significantly across the group.

*Radio New Zealand*; *clearnet.co.nz*, *yahoo.com*, *nzherald.co.nz*, *stuff.co.nz*, *www.newslocale.org* (12 June); *The New Zealand Herald*, *Oamaru Mail*, *truemors.com* (13 June); *Waikato Times*, *Ashburton Guardian* (14 June); *www.ashburtonguardian.co.nz* (16 June): Professor **Michael Townsend**, from the School of Education Studies (Albany) has long campaigned for a ban on using cellphones while driving and says that motorists who use cellphones while driving make as many, if not more, driving errors as clinically drunk drivers.

*readingstaffteacher.blogspot.com*: **Michael Irwin**, from the School of Education Studies, claims that girls talk more than boys speaking more 30 per cent more words over a day, and they talk more from an early age, so it is natural they are more adept with language.

## 12 June

*The Dominion Post*: Postgraduate student **Kirsty Hammond** is a joint winner of a Pukehou Poutu Scholarship worth \$10,000 and is developing a thesis investigating the influence of changes in the chemical composition of fresh forage-based diets on methane production in cattle and sheep

*The Dominion Post*: PhD student **Rao Dukkipati**, is aiming to discover a way to breed sheep that are resistant to paratuberculosis, a chronic disease which leads to production loss, and has been identifying gene markers that could lead to the breeding of disease-resistant animals.

*Radio New Zealand*, *radionz.co.nz*: Dr **David Tripe**, Director of the Centre for Banking Studies, has commented on the recent suggestion that interest rates are to fall even further.

*Manawatu Standard*: **Simon van Velthoven** has received an invitation from the Sydney Olympic sprint champion Marty Nothstein to race in a prestigious 10-week track series in the United States.

*Manawatu Standard*: Professor **Taiarahia Black**, from the School of Māori Studies, was a guest speaker at the Matariki celebrations held at Square Edge in Palmerston North, and gave commentaries on the Māori-produced and directed short-films screened on the night.

*The New Zealand Herald*: **Gavin Lees**, along with other university lecturers, has co-authored research that will help banks plan customer retention strategies and provide a better understanding of why people switch banks.

*alauer.edublogs.org*: Professor **Margaret Tennant**, Dean of Graduate Research School, spoke at the National Conference on Volunteering, on the shift in the way people are

volunteering, flexibility in management, and the changing demographics of volunteering.

## 14 June

*Timaru Herald, The Daily Post, Hawke's Bay Today, Bay of Plenty Times, Southland Times, Gisborne Herald; Manawatu Standard (16 June):* Professor **Bob Hargreaves**, from the Department of Finance, Banking and Property, says economists have been predicting a 20-40 percent plunge in the house prices for some time.

## 16 June

*The Dominion Post, The Press, Waikato Times, stuff.co.nz:* Dr **Louise Lee**, from the Department of Management, says volunteers opportunities for workers in New Zealand may not be what they are overseas, but companies here are following the trend.

*The Dominion Post, Nelson Mail, Manawatu Standard, stuff.co.nz, Radio Live:* Associate Professor **Al Rowland**, from the Institute of Molecular Bioscience, has had his world-first study on genetic mutations in naval veterans in the Pacific 50 years ago published in the prestigious journal *Cytogenetic and Genome Research*.

*The Dominion Post:* Professor **David Penny**, from the Allan Wilson Centre, and his colleagues have developed new and improved algorithms for converting zeros and ones into reliable evolutionary family trees.

*nzherald.co.nz:* Professor **Roy Stager Jacques**, from the Department of Management and International Business, says the difficult process of leading organisational change often fails because leaders are unaware there are reliable guidelines one can follow, or those involved learn what a high level of commitment is required.

*www.radionz.co.nz, Radio New Zealand; The New Zealand Herald, nzherald.co.nz (18 June):* Dr **Greg Clydesdale**, from the Department of Management and International Business, is the author of the controversial paper on Pacific Islanders that has been described as derogatory and slack, and requests are being made to ban it from being presented at an international conference.

*www.scoop.co.nz; Hawkes Bay Today (18 June):* Dr **Tanira Kingi**, from the Institute of Natural Resources, is leading four organisations and a team to develop a new framework to help other landowners decide how best to use their resources.

*yahoo.com, 3news.co.nz, clearnet.co.nz; The New Zealand Herald, Otago Daily Times, The Dominion Post, Bay of Plenty Times, Northern Advocate, nzherald.co.nz, economicstimes.indiatimes.com, movetonz.org (17 June); Newstalk ZB, TV One Breakfast, tvnz.co.nz, home.nzcity.co.nz, yahoo.com (18 June) :* Dr **Ee Kheng Ang**, from the Department of

Management, says that women wanting to return to the workforce after having children should receive the same government training and childcare help as single mothers, and found that these women typically look for lower-status jobs and lower pay than before giving birth.

*Radio New Zealand: Te Ahu Rei*, from the National Students Relations, says mainstream tertiary institutions can and do cater for Māori Students.

*www.exchangemagazine.com:* Dr **Peter Read**, and Professor **Ralph Sims**, both from the School of Engineering and Advanced Technology, were among the group of scientists who convened in the Rockefeller Foundation Bellagio Centre to discuss the potential for a global trade in sustainable biofuels that benefits the rural poor.

*Wanganui Chronicle:* Emeritus Professor **Mary Earle**, from the School of Engineering and Advanced Technology, has edited Louis McLachlan's book titled *Backwoodsman's Rangitikei Poems and Songs*, which has just been published a hundred years after his death.

## 17 June

*The New Zealand Herald:* Dr **Mei Williams**, from the School of Psychology, is conducting research that looks into the link between self-control and why people get involved in crime, and says her research has linked self-control and criminality and it may provide a breakthrough in treatment of criminal behaviour.

*Nelson Mail:* Professor **Steve Morris**, from the Institute of Veterinary, Animal and Biomedical Science, spoke at the latest Nelson Meat and Wool NZ Monitor Farm Day and noted that beef farmers will need to use dairy cows to crossbreed to sustain further production.

## Research funding news

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

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Funding Opportunities, PBRF  
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## Funding Opportunities:

### Julius von Haast Fellowship Award

Royal Society of New Zealand  
Closes: 1 July  
Amount: Up to \$102,000

### Darwin Researcher Exchange Programme Awards

British Council  
Closes: 2 July  
Amount: Up to £5,000

### The Econometrics of New Zealand Pastoral Agriculture: With Special Reference to Greenhouse Gas Emissions

Ministry of Agriculture and Forestry  
Closes: 2 July

### Approaches to determining in-season TAC increases for 2nd Schedule stocks

Ministry of Fisheries  
Closes: 4 July (updated deadline)

### Induction and Mentoring Pilot Programme

New Zealand Teachers Council  
Closes: 11 July

### Invitation to Tender for the Provision of Fisheries Research Services 2008-2009 Round Two:

Ministry of Fisheries  
Closes: 11 July

### Research Fund

Families Commission  
Closes: 14 July  
Amount: Up to \$250,000

### C. Alma Baker Fellowship

C. Alma Baker Trust  
Closes: 21 July  
Amount: \$15,000

### Te Reo Funding Programme

Creative New Zealand  
Closes: 25 July

## Events

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

### AK – Monday 7 July – Wednesday 9 July CANCELLATION NOTICE - Boys Conference Successful Boys - Meeting the Challenge: 3rd Biennial Boys' Education

Convened by the College of Education

It is with great regret that the third biennial boys' education conference must be cancelled. The major factor in this decision was the ill health of the Convenor.

The conference promised to be an exciting showcase of current research in boys' education and the organising team knows that its cancellation will be a disappointment. We apologise for any inconvenience caused by this decision.

For those of you who had already registered, a full refund of the conference fee will be made as soon as possible.

For further information please email:

[albevents@massey.ac.nz](mailto:albevents@massey.ac.nz)

We thank you for your support and understanding.

Michael Townsend

Professor of Education Psychology

Head of School of Education

Massey University at Auckland

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

Contact Details: Dr Michael Irwin

Tel: 0800 627 739 ext 9635

### AK – Wednesday 16 July

#### 12.00pm to 1.00pm

Chancellor's Lecture Series

Mary Holm: *KiwiSaver - great savings plan or government con?*

Qantas Award-winner Mary Holm writes columns in the Weekend Herald, the Dominion Post and other papers, as well as presenting seminars. Her book "KiwiSaver: How to make it work for you" was New Zealand's best selling book for ten weeks, and she has just published a more advanced book, "KiwiSaver Max: How to get the best out of it". She holds a BA in Economic History, MA in Journalism and MBA in Finance (Chicago). [www.maryholm.com](http://www.maryholm.com).

Through her columns and seminars, Mary

### Encouraging and Supporting Innovation Fund

Tertiary Education Commission

Closes: 1 August

Amount: \$5,000 - \$50,000 USD

### Research Grants

Professional Development Awards

Special Purpose Grants

Genesis Oncology Trust

Closes: 22 August

Amount: Up to \$1 million

### Grants

J.C. Downing Foundation

Continuous

Amount: \$5,000 - \$50,000 USD

### Grants

Charles Stewart Mott Foundation

Continuous

Amount: \$15,000 - \$250,000 USD

### Pacific Conference Grants

Health Research Council

Closes: 22 August

Amount: Up to \$10,000

### Enterprise Scholarships

Tertiary Education Commission

Continuous

Amount: Up to \$12,500

### Doctoral Awards

My NetResearch LLC

Closes: 30 August

Amount: \$1,000 USD

### Public Policy Internships

National Audubon Society

Continuous

Amount: \$7.00 USD /hr

### Spencer Postdoctoral Fellowship

National Academy of Education

Closes: 9 November

Amount: \$55,000 USD

### FRST Technology Expertise Access Programme

Are you working with industry on an innovative project? Then perhaps TechNet is the fund for you.

TechNet is suitable for feasibility studies, proof of concept, or when a company is at a point in a research and development project where they have hit a barrier that they can't overcome because they do not have the suitable expertise within the company.

Massey is funded directly from FRST for a number of small consultancies up to \$5,000 each, and will call for applications on a monthly basis. Projects must be novel and innovative products or processes with an eye to the export dollar. Successful applications will also demonstrate a clear pathway for continued collaboration between Massey University and the company.

The deadline for the next round of applications is 5:00 pm, 23rd June. Applicants will be notified of the outcome by 5:00 pm, 30th June.

Electronic application guidelines and forms may be obtained from Jo Stone on ext. 9533 or 027 233 6333

### Houblon-Norman/George Fellowships

Bank of England

Closes: 30 November

Amount: Up to £120,000

### Economics of Treatment and Prevention

Services for Drug and Alcohol Abuse (R01)

National Institutes of Health

Closes: 5 Oct

### Economics of Treatment and Prevention

Services for Drug and Alcohol Abuse (R21) & (R03)

National Institutes of Health

Closes: 16 Oct

Amount: \$275,000 USD & \$100,000 USD

### Randall Dillard Research Fellowship in International Studies

University of Cambridge

Closes: 21 January

Amount: £21,682 per annum

### Grants

Rohm and Haas

Continuous

# Wharerata

venue • cuisine • events

June 26th - European Wine Tour

An evening of food matched to wines from France, Italy, Germany and Spain.

For information and reservations contact Helen on 350 5088 or email [info@wharerata.co.nz](mailto:info@wharerata.co.nz)

Our dining room and café open Monday to Friday from 830am to 2pm for morning tea and lunch

has heard many reasons why people have decided not to join KiwiSaver. Almost all are groundless. KiwiSaver may not be good government policy, but, she argues, at an individual level pretty much everybody under 65 can benefit from it. Come and challenge Mary with your doubts. If you have no doubts, learn how to get more out of the scheme. <http://auckland.massey.ac.nz/>  
 Venue: Study Centre Staff Lounge, Massey University, Gate 1, Albany Expressway, SH17, Auckland.  
 Contact: Karen Triggs  
 Ph: 09 414 0800 ext 9555

## AK – Friday 18 July 12.00pm to 1.00pm

Dept. of Commerce Seminar Series:  
*University Funding Systems and their Impact on Research and Teaching*  
 Prof. Joanna Poyago-Theotoky  
 In this paper we address the following question: how does a higher education funding system influence the trade-off that universities make between research and teaching? We do so by constructing a general model that allows universities to choose actively the quality of their teaching and research when faced with different funding systems. In particular, we derive the feasible sets that face universities under such systems and show how, as the parameters of the system are varied, the nature of the university system itself changes. The “culture” of the university system thus becomes endogenous. This makes the model useful for the analysis of reforms in funding and also for international comparisons. <http://www.lboro.ac.uk/departments/ec/Our%20staff/Joanna%20Poyago-Theotoky%20new.htm>  
 Venue: QB 3  
 Contact: Dr Steffen Lippert  
 Ph: ext 9283

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](mailto:events-admin@massey.ac.nz).

## Scholarships and Awards

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

A Snap-Shot of Scholarships Closing May /June 2008: full information about these scholarships and all others scholarships can be found on <http://awards.massey.ac.nz/>

## Undergraduate

China Scholarships – 4 July 2008

The Adastra Foundation Scholarships – 18 July 2008

AIMES Awards – 25 July 2008

Massey University Chemistry Scholarship – 30 July 2008

Massey University Mathematics Scholarship – 30 July 2008

Massey University Physics Scholarship – 30 July 2008

Wingspan Birds of Prey Trust – 30 July 2008

Kiwiplan Scholarships – 31 July 2008

The Kate Edger Educational Charitable Trust Millennium Undergraduate Award – 31 July 2008

The Kate Edger Educational Charitable Trust Retraining Award – 31 July 2008

Winston Churchill Memorial Trust – 31 July 2008

## Postgraduate

Massey University Doctoral Scholarship – 1 July 2008

Massey University Masterate Scholarship – 1 July 2008

Massey University Masterate Scholarship for Maori Students – 1 July 2008

China Scholarships – 4 July 2008

New Zealand International Doctoral Research Scholarships (for international students) – 15 July 2008

The Adastra Foundation Scholarships – 18 July 2008

AIMES Awards – 25 July 2008

Wingspan Birds of Prey Trust – 30 July 2008

BRCSS Masters Research Awards – 31 July 2008

French Awards Scholarship – 31 July 2008

Government of Mexico Scholarships for Foreigners – 31 July 2008

NZ Federation of Graduate Women Postgraduate Fellowship – 31 July 2008

Solnet Solutions Scholarship for Potential Software Development Engineers – 31 July 2008

Winston Churchill Memorial Trust – 31 July 2008

NOTICEBOARDS ARE AVAILABLE AT THE FOLLOWING LOCATIONS:  
 SOCIAL SCIENCES LECTURE BLOCK FOYER,  
 TURITEA SITE AND  
 IN EACH ACADEMIC UNIT





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**Massey University**

To Kōwhiri ki Pūwhiri

## General notices

editor@massey.ac.nz

The Grant Institute: Certificate in Professional Program Development and Grant Communication will be held at the University of Otago - Auckland Centre, July 28 - August 1, 2008. Interested development professionals, researchers, faculty, and graduate students should register as soon as possible, as demand means that seats will fill up quickly.

All participants will receive certification in professional grant writing from the Institute, as well as 3.5 CEU units. For more information call 00-1213-817-5308 or visit The Grant Institute at [www.thegrantinstitute.com](http://www.thegrantinstitute.com)

The Grant Institute Certificate in Professional Program Development and Grant Communication will be held at the University of Otago - Auckland Centre July 28 - August 1, 2008  
8:00 AM - 5:00 PM

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

The image shows a screenshot of the Massey News website. Red circles highlight several key features, with lines pointing to descriptive labels:

- Email Newsletters:** A circle highlights the 'Email Newsletters' link in the top right navigation bar.
- Download Publications:** A circle highlights the 'Download Publications' link in the top right navigation bar.
- Search News:** A circle highlights the search bar located in the middle of the page.
- New Search Feature:** A circle highlights the search bar, with a label below it.
- RSS News Feeds:** A circle highlights the 'RSS News Feeds' link in the bottom right corner of the page.

30 June 2008 - issue 9

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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 classified 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.

**Circulation:** Please advise David Wiltshire of your circulation and delivery changes. email: [d.wiltshire@massey.ac.nz](mailto:d.wiltshire@massey.ac.nz)

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**Correction:** In the last Massey News Martin Sullivan, a recipient of a Queen's Birthday Honour, was reported as being from the now defunct School of Sociology, Social Policy and Social Work. He is from the School of Health and Social Services.



Prints by Amy Gough and Miranda Hurley. Inset: Finished fabric by Marta Buda.

## Wall-to-wall student creativity

Digital wallpaper designs and screen-printed fabrics inspired by Wellington locations will be on show at an exhibition of student work next month.

*Full Drop* at the Thistle Hall Gallery, from 15 to 20 July, will showcase a semester's work for 15 third-year students completing a Bachelor of Design in textile design.

Tutor Nicola Jackson says the first brief for the work was to find a city location that would hold students' interest for four weeks of research.

Locations chosen included inner city Cuba St, the Botanic Garden's monument commemorating the WWII bombing of Hiroshima, and the workman's portacabin at Wellington Hospital.

A requirement of the course is for the fabric to be screen-printed and the texture, colour, pattern and imagery inspired by the chosen location.

"The featured projects showcase the student's skill and understanding of complex systems within textile design including colour, form, and repeat patterns," Mrs Jackson says.

"They have all put so much effort into it. Visitors can expect to see creative and dynamic work from a new generation of New Zealand textile designers."

The same students designed a wallpaper for the contemporary market, with a complementary collection of modern designs.

The textile design course is based at Massey's Wellington campus, part of a suite of specialist qualifications including fashion and product design provided by the College of Creative Arts.

Full Drop is a term used to describe one of the repeat processes used by students. The exhibition runs from 10am to 6pm at the gallery in Cuba St. Admission is free.