



Massey News



Te Kunenga
ki Pūrehuroa



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British MPs acknowledge report on nuclear test veterans' health

The report into the health of New Zealand nuclear test veterans, undertaken by a team led by Dr Al Rowland of the Institute of Molecular Biosciences, has been acknowledged in the British House of Commons.

The Labour MP for Norwich North, Ian Gibson, lodged an early day motion – a device to stimulate debate and recognition in the house – applauding the study. Dr Gibson and John Baron, Conservative MP for Billericay, also planned to request a parliamentary inquiry into the detonations, which took place in the South Pacific from 1957.

The New Zealand Nuclear Test Veterans' Association commissioned Dr Rowland to examine the cells of 50 veterans for damage. Dr Rowland says the findings are unequivocal: in a matched control group of men of the same age, his team found an expected frequency of 10 chromosome translocations per 1000 cells, but in the veterans' group, the average number of translocations was considerably higher at 29 chromosome translocations per 1000 cells.

Workers who were close to the Chernobyl nuclear accident

or involved in the clean up after the accident had about 20 translocations.

Dr Gibson has asked for a copy of the report.

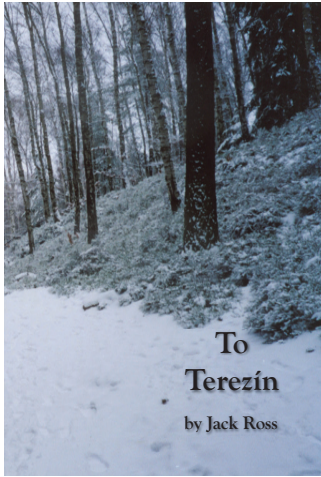
"We really need a similar thing for this country."

There were 40,000 servicemen and civilians at the UK tests, 22,000 of them from Britain and the rest from Australia, New Zealand and Fiji.

Dr Gibson's early day motion (EDM), lodged on 15 May, has attracted support from 87 other MPs. Although most EDMs are never debated, they are used to publicise the views of individual MPs, to draw attention to specific events or campaigns, and to demonstrate the extent of parliamentary support for a particular cause or point of view.

More than 400 of the 551 sailors who took part in Operation Grapple have died. The New Zealand Test Veterans Association is now urging the New Zealand Government to fund studies into the health of veterans' children and grandchildren.

For the latest news from Massey, or to subscribe to an expanding range of electronic newsletters, visit <http://news.massey.ac.nz>



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Terezin
by Jack Ross

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Inaugural recipients of the Takutai Wikiriwhi Te Rau Puawai Scholarships, Patrick Mendes and Rebecca Wirihana.

Joint scholarships to fill gaps in Māori mental health expertise

Encouraging more Māori to gain professional qualifications to work in the Māori mental health workforce is the aim of a just-launched joint venture between Massey and the Auckland District Health Board (ADHB).

The Takutai Wikiriwhi Te Rau Puawai Scholarships pilot is the result of a partnership between the Te Rau Puawai Workforce Development Scholarship and Māori mental health ADHB. Candidates are those already in the workforce and seeking to gain further professional qualifications.

Māori mental health workers and extramural students Rebecca Wirihana and Patrick Mendes are the inaugural recipients of scholarships which provide around \$3000 each for study fees, mentoring and learning support for students studying in a mental health related programme through the Schools of Māori, Psychology, Health Science and Sociology, Social Policy and Social Work.

At a special June launching ceremony at the Manawanui marae in the grounds of the ADHB's Māori mental health services in west Auckland, Deputy Vice-Chancellor (Māori) Professor Mason Durie said the scholarships further reflected the unfurling of Te Rau Puawai, which means "plant of a hundred blossoms".

By 2005, 121 Te Rau Puawai bursars had graduated from Massey with undergraduate or postgraduate qualifications. The scheme was launched in 1999 as a joint initiative between the University and the Ministry of Health.

Ms Wirihana, a Massey graduate with a Bachelor

in Psychology and now a key worker at ADHB's Kapua Awatea Māori mental health service, is currently enrolled part-time at the Auckland campus in a graduate diploma in psychology. She is working towards doing the clinical programme in psychology in 2009.

She says the scholarship will help her enormously, not only with fees but also by providing mentoring, access to conferences and links with other academics working in her field.

Patrick Mendes is studying third-year psychology papers and also hopes to enter the Clinical programme in psychology.

Having graduated in 1999 from Waikato University he's spent the past 10 years working in a range of mental health services, from helping prisoners, to early childhood, and children and adolescent services.

He is keen to promote a stronger "cultural clinical interface" within Māori mental health services, he says.

The scholarship programme is named after Takutai Wikiriwhi, the kaumatua involved with Maori mental health services for more than 20 years in Auckland.

Te Paea Winiata, spokesperson for Te Rau Puawai, said she understood there were currently about 44 Māori clinical psychologists practising in New Zealand, of whom eight actually work in Māori mental health services.

It is hoped that this figure would significantly increase as more Te Rau Puawai psychology students graduate as clinical psychologists.

**AK – Wednesday 18 July
12.00pm to 1.00pm**

Chancellor's Lecture Series
Nicky Hager: The Hollow Men, an in-depth look at the New Zealand National Party between 2003 and 2006, is Nicky Hager's latest best-selling book. Nicky will be describing how he researched the book and its impact and ongoing significance. Nicky Hager is a researcher, author of four best selling books, and New Zealand representative of the International Consortium of Investigative Journalists since 2002. <http://auckland.massey.ac.nz>
Venue: Study Centre Staff Lounge Massey University, Gate 1 Albany Expressway
Contact Details: Holly Fang
Ph: (09) 4140800 extn 9228

**WN – Wednesday 25 July
12.15pm to 1.00pm**

Model-Tracing Students' Study Habits
Dr Vive Kumar
Abstract: Like many of us, do you also feel the urge to find out about the content your students study, methods they use to solve problems, and study habits that affect their learning performances? Students do spend plenty of time studying (!), using online mechanisms (!!), in conjunction with what goes on in classrooms, labs, and other locales of learning. It is quite possible to tap into their online study habits, of course with their permission, to observe their formal and informal learning interactions. These observations inevitably lead to the development of computational models of study skills, which can then be put to use as tools of self-reflection for students or as tools of assessment for instructors. In this seminar, we will discuss a few cutting-edge model-tracing techniques with real-world examples.
Venue: Block 5, Level C, Room 12 Massey Wellington Wallace Street
Contact Details: Jim Jones
Ph: 04 801 5799 ext 6719

**PN – Thursday 26 July
1.00pm to 2.00pm**

School of History, Philosophy and Classics: Seminar
Presentation: Zain Ali
Can Muslims think? Understanding the Divide between Faith and Philosophy
PhD Candidate, Department of Philosophy, University of Auckland
Venue: MB 1.02
Contact Details: Gina Salapata
Ph: 7273

**WN – Friday 27 July
1.00pm to 2.00pm**

Gratuitous Violins: Nick Tipping & Charmaine Ford
Jazz compositions and arrangements for rhythm section and string quartet. Charmaine Ford and Nick Tipping are joined by the Tasman String Quartet for a unique musical experience.
Venue: Conservatorium Concert Hall New Zealand School of Music Mt Cook Campus Block 1 Wallace Street
Contact Details: Debbie Rawnsley
Ph: 463 6050

**AK – Saturday 28 July
8.00pm to 11.30pm**

Winter Music 07
This year Winter Music will be featuring Julie Mason and the Jazz Divas. Jazz Divas are an ensemble comprising of four ladies in glamorous gowns backed by one of New Zealand's leading rhythm sections. This promises to be an exceptional concert with a collection of musicians who are independently renowned names in the national and international jazz world. Following sell-out concerts at jazz festivals around New Zealand, this is a show not to miss. Seats are limited - so don't delay in booking your ticket.
Drinks (cash bar) available from 7pm with the concert starting at 8pm sharp.
Workshops:
An opportunity to explore aspects of jazz performance on your chosen instrument. Observe and work with the best in their fields.
For more information and registration, please refer to the link below.
Venue: Massey University, Auckland, Atrium Building, Round Room, Gate 1, Albany Expressway, Albany
<http://www.massey.ac.nz/massey/campuses/auckland/campus-events/winter-music.cfm>
Contact Details: Andrea Abbott
Ph: 09 414 0800 ext 9554

**PN - Thursday 9 August
5.30pm**

Professor Margaret Tennant will deliver the inaugural W.H. Oliver Lecture, A Nation of Joiners? History, Community and Voluntary Organisations. This public lecture is hosted by the School of History, Philosophy and Classics and will be held in the Auditorium of the Old Main Building.
The lecture recognises the contribution of Bill Oliver, foundation Professor of History at Massey University 1964-83, to the development of the humanities at Massey University and New Zealand. The event will also acknowledge Bill Oliver's generous donation of several of his personal collection of paintings, including works by Frank Davis, to Massey University.
The Acting Vice-Chancellor, Dr Ian Warrington, will acknowledge this gift and Professor Barrie MacDonald will chair the lecture.

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

Scholarships and Bursaries

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

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

Undergraduate

Massey University Chemistry Scholarship
– closing 30 July 2007

Massey University Mathematics Scholarship
– closing 30 July 2007

Massey University Physics Scholarship
– closing 30 July 2007

Kiwiplan Scholarships
– closing 30 July 2007

New Horizons for Women Trust (Inc) Ria McBride Public Service Management Award
– closing 31 July 2007

Polish Charitable & Educational Trust
– closing 31 July 2007

The Kate Edger Educational Charitable Trust Millennium Undergraduate Award
– closing 31 July 2007

The Kate Edger Educational Charitable Trust Retraining Award
– closing 31 July 2007

Postgraduate

French Awards Scholarship
– closing 31 July 2007

Government of Mexico Scholarships for Foreigners
– closing 31 July 2007

New Horizons for Women Trust (Inc) Ria McBride Public Service Management Award
– closing 31 July 2007

NZ Federation of Graduate Women Postgraduate Fellowship
– closing 31 July 2007

New Zealand Federation of Graduate Women - Susan Byrne Memorial Award
– closing 31 July 2007

Polish Charitable & Educational Trust
– closing 31 July 2007

Claude McCarthy Fellowships
– closing 1 August 2007

Fulbright - Platinum Triangle Scholarship in Entrepreneurship
– closing 1 August 2007

Fulbright-Ministry of Research, Science and Technology Graduate Awards
– closing 1 August 2007



New Zealand Army personnel in Iraq

Joining forces over contemporary warfighting

Retired US Marine Colonel Thomas Hammes is among speakers at this year's Warfighting seminar, as the New Zealand Army and the University join forces to provide a two-day session to improve participants' understanding of warfighting in a contemporary environment.

The event is hosted by the University's Centre for Defence Studies on the Palmerston North campus.

US Marine Colonel Thomas Hammes is an acknowledged expert in counter-insurgency warfare. While the senior marine fellow at the US Institute for National Security Studies he wrote *The Sling and The Stone*, which criticised both the Pentagon and the Joint Chiefs of Staff.

In 2006 Col Hammes was one of the retired military officers who, with Generals John Batiste and Eaton, called for the resignation of Defense Secretary Donald Rumsfeld, testifying before the senate democratic policy committee. Col Hammes will speak on future warfighting concepts, his visit supported by the US Embassy.

Other speakers include retired UK Major General Robert Gordon, ex United Nations commander. Defence Minister Phil Goff and Chief of Defence Force Lieutenant General Jerry Mateparae will each give an address. Professor Robert Patman of Otago University will speak on the global strategic context in 2007, with Associate Professor Iain Spence of the University of New England speaking on lessons from the past.

The Warfighting seminar will be held on 29 and 30 August at the Japan lecture theatr.

An exhibition of the artwork of New Zealand Army artist Captain Matt Gaudie will be held in the foyer, with staff and students able to view the exhibition between 10.30 and 12.30 and 1.30 and 3pm on Wednesday 29 and Thursday 30 August.

University staff members may be able to attend some Warfighting sessions, though numbers are limited. To request a place contact t.lasenby@massey.ac.nz or defence.studies@massey.ac.nz

Victoria Cross honour marks significant milestone

The award of the Victoria Cross for New Zealand to Corporal Bill (Willy) Apiata announced recently marks a significant milestone in New Zealand's military history, says Associate Professor Glyn Harper, Director of the Centre for Defence Studies.

It is the first Victoria Cross awarded to a New Zealander since August 1943, and the first to be awarded under the new regulations for the Victoria Cross for New Zealand which were put in place in 1999.

"The Victoria Cross is the highest of all honours that the Monarch of the British Commonwealth can bestow and it takes precedence over all honours, awards and decorations including knighthoods," says Dr Harper. "As an indication of its significance, the wearer of a Victoria Cross is entitled to

receive a salute from anybody in uniform, regardless of their rank. So, if Corporal Apiata was to encounter a commissioned officer, in breaking from military protocol, the officer would initiate the salute."

Corporal Apiata's citation for the Victoria Cross states that he rescued a wounded comrade under fire, carrying him more than 70 metres to reach safety.

"There is no doubt that this was an action worthy of a Victoria Cross," Dr Harper says. "In fact it mirrors the very first two VCs awarded to New Zealand servicemen. Captain Charles Heaphy was the first New Zealand serviceman to win the Victoria Cross during the New Zealand Wars. Like Apiata, he was awarded the decoration for rescuing comrades under fire. During the Boer War, Farrier Sergeant

Major William Hardham carried out a similar act rescuing a wounded trooper while under fire."

The mana the Victoria Cross carries throughout the British Commonwealth and among the military community in general is incredible, Dr Harper says.

"This is why a small piece of bronze worth only a few dollars sells for millions on the collector's market. The award of the Victoria Cross for New Zealand to Corporal Willy Apiata this week is an immensely positive development for the New Zealand Defence Force and for the award itself."

Dr Harper and Colonel Colin Richardson co-authored a book on the Victoria Cross last year, *In the Face of the Enemy: The complete History of the Victoria Cross*.

Faulty fat measure blamed for insurance charges

Life insurance companies are using a flawed measure of assessing body fatness as the basis for charging many customers higher premiums, health researchers say.

Dr Steve Stannard, an expert in human body composition, has examined the use of Body Mass Index (BMI) as an indicator of future health on behalf of Institute of Food, Nutrition and Human Health colleague Matthew Barnes.

Mr Barnes, manager of the human performance laboratory at the University's Palmerston North campus, had applied for a new life insurance policy but faced a high premium due to his BMI of 36. His insurance company, ING, had rated him as obese, he says, even though he had completed blood screening tests showing he was healthy and was a confirmed fitness enthusiast. The insurance company rejected Mr Barnes' explanation that his BMI was due to muscle mass from lifting weights, the decision adding \$8 to his monthly premium.

"A person's BMI is calculated as their weight in kilograms divided by the square of their height in metres," Dr Stannard says. "Population statistics show that if a person has a BMI of 26 or more their chances of developing conditions related to excessive body fat, including diabetes and cardiovascular disease, are greater than those with a BMI between 20 and 25.

"However, BMI is not a tool to diagnose individual health status, rather it was developed to broadly describe populations for statistical use. Despite this, all the major insurance companies use BMI. Where Matt Barnes has come unstuck is that the extra weight he carries is muscle, not fat."

TV programme *Fair Go* investigated the case and found that most major insurance companies used BMI.

ING agreed it would instate the normal premium for a healthy person if Mr Barnes could show that his body fat was below 25 per cent. Fortunately, Dr Stannard is working with Professor Chris Cunningham, director of the University's Research Centre for Māori Health and Development, Te Pumanawa Hauora. They are currently conducting research on the body composition of young Māori men using a custom-built underwater weighing tank. Mr Barnes was measured by PhD student Isaac Warbrick and Professor Cunningham.

"Underwater weighing is the gold standard for measuring a person's percentage body fat," Professor Cunningham says. "It relies on the Archimedes principle which states that the mass that a person loses



Dr Stannard in the underwater weighing tank.

when submerged in water is directly proportional to their body volume – thus the underwater tank simply measures their volume. We can then measure their body weight using conventional scales and weight divided by volume gives us density. Once we know body density, from very good published data describing the body's fat and non-fat tissue density, we can calculate the percentage body fat."

Mr Barnes' body fat was calculated to be 22 per cent, and, after discussions with ING, he is paying a reduced premium.

"Matt is fortunate in that as a science graduate and a University staff member, he had both the knowledge and the environment where he was able to question the process the insurance company had in place," Dr Stannard says. "It is likely that there's quite a few people out there who are paying higher premiums than they otherwise should, and in reverse others who are paying less than they should because of the misplaced reliance the insurance industry has on BMI as a tool for medical diagnosis."

Fellowships for IVF, diet researchers

Two of 11 Foundation for Research, Science and Technology postdoctoral fellowships awarded this year have gone to researchers based at the Palmerston North campus.

Dr Gabe Redding, of the Institute of Technology and Engineering, was awarded a fellowship of \$261,000 over three years to continue his work on in-vitro fertilisation, while Dr Abby Thompson, of the Riddet Centre, has been awarded \$315,000 over three years for work on genomics.

Dr Redding's project *Modelling the transport of substances in the ovarian follicle for the improvement of assisted conception in humans* is an extension of his PhD in bioprocess engineering supervised by Associate Professor John Bronlund.

"The long-term goal is to fully explore the contribution engineering can make to improving the outcomes of assisted reproduction technologies such as IVF," Dr Redding says. "The work is really novel because reproductive biology and engineering are two disciplines which are seldom paired."

The PhD work was undertaken as part of a wider programme contract awarded to

AgResearch, also funded by the foundation.

Dr Thompson will travel to Reading University in England for her project, *Impact of dietary lipids and genotype on cardiovascular risk through effects of insulin signalling and endothelial function*. The work will investigate the health consequences for individuals who have certain genes of eating diets containing different types of fats.

"The new work will allow us to have a better understanding of how our genetics can impact the way our food can affect our health. Ultimately, this area of research will enable dietary recommendations that are person-specific, rather than guidelines that are applied to a whole population," Dr Thompson says.

"Sometimes only some individuals will show a link between eating a certain food and a change in their health. For example, saturated fats are often seen as having a negative effect on our health through their association with heart disease and clogging of the arteries, but there are some people who can eat as much saturated fat as they like and it does not appear to have any negative effect on them at all."

Dr Thompson completed her BTech at the Institute of Food, Nutrition and Human Health and Riddet Centre co-director Professor Harjinder Singh supervised her PhD. The strong group at Reading University includes linkages to European researchers, Dr Thompson says, but the recent naming of the Riddet Centre as a Centre of Research Excellence makes it increasingly likely that she will return.

The postdoctoral fellowship scheme is intended to foster the development of emerging scientists and future science leaders. Objectives include assisting doctoral graduates to further develop and enhance their skills and knowledge in science, engineering and technology and, where appropriate, to focus some of this development and enhancement into perceived areas of need for New Zealand.

The awards also enable postdoctoral researchers to obtain exposure to international developments in science, engineering and technology of potential interest to New Zealand and to enable New Zealanders who have completed doctoral degrees overseas to undertake postdoctoral research here.

NIMH-supported studies on the aetiology of health-related behaviours (knowledge, attitudes, cognition, emotion, learning, motivation, decision-making, memory, exercise, nutrition, smoking, utilizing general medical care) that influence disability, morbidity and mortality as well as functional outcome in people with mental disorders.
Deadline: 5 October 2007

National Institutes of Health Methodology and Measurement in the Behavioural and Social Sciences

The behavioural and social sciences offer significant fundamental insights into the comprehensive understanding of human health, including disease aetiology and treatment, and the promotion of health and well-being.

To encourage the investigation of the impact of social and behavioural factors on health and disease, the participating institutes and centres (ICs) invite qualified researchers to submit research grant applications on methodology and measurement in the behavioural and social sciences.

Methodology and measurement encompass research design, data collection techniques, measurement, and data analysis techniques. The goal of this programme announcement is to encourage research that will improve the quality and scientific power of data collected in the behavioural and social sciences, relevant to the missions of the National Institutes of Health (NIH) ICs.
Deadline: 5 October 2007

National Institutes of Health School-Based Interventions to Prevent Obesity

The purpose of this programme is to form partnerships between academic institutions and school systems in order to develop and implement controlled, school-based intervention strategies designed to reduce the prevalence of obesity in childhood. This initiative also encourages evaluative comparisons of different intervention strategies, as well as the use of methods to detect synergistic interactions

between different types of interventions.
Deadline: 5 October 2007

National Institutes of Health Research on Social Work Practice and Concepts in Health

This programme encourages innovative, theory-driven empirical research on social work practice, concepts and theory as these relate to the NIH public health goal of improving health outcomes for persons with medical and behavioural disorders and conditions.

Areas of interest include studies that characterise the usual and/or "best" practices of social workers and how these relate to health outcomes, studies establishing the efficacy and effectiveness of health-related interventions and services delivered by social workers, aspects of health-related social work services that are unique to specialty health care settings (e.g., clinics, hospitals, nursing homes, hospices, etc) and non-specialty health care settings (e.g., social service agencies, schools, jails and prisons, etc.), the nature and impact of routine prevention or clinical practice, and factors related to successful dissemination and implementation of social work services and interventions with proven effectiveness.
Deadline: 5 October 2007

Foundation for Research Science and Technology Envirolink Grants

The Envirolink scheme funds research organisations to provide Regional Councils with advice and support for research on identified environmental topics and projects.

The scheme aims to support Regional Councils in two areas of environmental management: adapting management tools to local needs, and translating environmental science knowledge into practical advice.

Three types of grants are available:
Small advice grants (up to \$5,000 per grant excluding GST)

Regional Councils may obtain an expert consultation with a research organisation to help them identify their information needs, receive advice on science techniques or meet training requirements.

Medium advice grants (up to \$20,000 per grant excluding GST)

Regional councils may obtain a detailed expert consultation for discrete projects, or for the second phase of an initial small grant project. The aim of this grant is to help council's apply existing knowledge held by scientists on regional environmental issues.

Tools development
Funding to develop or adapt new and/or existing resource management tools for use by more than one council.

Deadline: Continuous

Events

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

AK - Monday 9 July to Friday 20 July 9.00am to 4.00pm

Orientation Semester Two

Two weeks of orientation events for all new students. Includes a Powhiri (Monday 9 July) and a compulsory general campus welcome and college welcomes for all new undergraduate students on Friday 13 July from 9.30am

In addition, a compulsory welcome for all new international students will be held on Thursday 12 July at 10.00am

<http://www.massey.ac.nz/massey/students/student-services/whats-on/albany/orientations.cfm>
Venue: Gate One Albany Expressway Albany Auckland

Contact: Jo Wilkins
Ph: 09 414 0800 ext 9184

Wharerata

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

3 July

The Manawatu Standard: Dr **Gabe Redding** from the Institute of Technology and Engineering, and Dr **Abby Thompson** from Institute of Food, Nutrition and Human Health, were both awarded two of eleven Foundation for Research Science and Technology postdoctoral fellowships.

4 July

The New Zealand Herald, RLI: Associate Professor **Glyn Harper**, from the Centre for Defence Studies, says Corporal Willy Apiata, who was awarded the Victoria Cross, will face a life changing experience due to the honour, as it takes precedence over all other military honours.

The Manawatu Standard: Dr **David Tripe** says the collapse of finance group Bridgecorp could be due to their known reputation of taking on risky transactions, but also believes there is no indication of a likely ripple effect.

5 July

The Manawatu Standard: Professor **Peter Derrick**, from the Institute of Fundamental Sciences, says within his department and area of work the bigger problems can be solved by breaking things down into pieces and identifying the relationship between those pieces.

6 July

The Dominion Post, Manawatu Standard The New Zealand Herald, Bay of Plenty Times: Dr **Steve Stannard**, from the Institute of Food Nutrition and Human Health, says the health indicator used by many insurance companies to diagnose an individual's health status is inaccurate and should only be used when describing populations.

10 July

The New Zealand Herald: Dr **Greg Clydesdale**, from the Department of Management and International

Business, says New Zealand immigration is facing a conflict between those who want to cut immigration to reduce house prices, and those who see the need for skilled immigrants.

Research Funding Opportunities

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

Te Tipu Pūtaiao Fellowships

The objective of Te Tipu Pūtaiao Fellowships is to unlock the innovation potential of Māori knowledge, people and resources or address issues that are distinct to the cultural and circumstances of Māori. To achieve this, the fellowships support students to develop their science and Māori research capability.

In 2007/08 FRST are offering up to 17 Fellowships to students completing a masterate, doctorate or postdoctoral work in a science, technology or engineering discipline.

Deadline: 3 August 2007

National Institutes of Health

Prevention of Trauma Related Adjustment and Mental Disorders in High-Risk Occupations

This announcement solicits research grant applications from institutions or organisations that propose to further the state of science regarding selective prevention approaches prior to trauma exposure for members of high-risk occupations, i.e., civilian employees and military personnel who regularly encounter traumatic situations.

Deadline: 23 August 2007

New Zealand Science and Technology Postdoctoral Fellowships Scheme

The government established the New Zealand Science & Technology Postdoctoral Fellowships in order to develop and enhance science, technology, and engineering skills and knowledge in New Zealand researchers who are of outstanding talent,

and to apply the accumulative benefit to New Zealand.

The scheme is intended to foster the development of New Zealand's scientists and future science leaders. The New Zealand Science & Technology Postdoctoral Fellowship complements other government initiatives implemented to develop a knowledge society which will assist New Zealand to compete successfully as a knowledge economy.

Deadline: 7 September 2007

National Institutes of Health

Research On The Reduction And Prevention Of Suicidality

The National Institute of Mental Health (NIMH), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), and the National Institute on Drug Abuse (NIDA) are inviting grant applications for research that will reduce the burden of suicidality (deaths, attempts, and ideation).

While NIMH has a long-standing commitment to studying the mental health-related factors contributing to suicide risk, NIDA and NIAAA supported research in suicidality is growing and has provided a broader perspective on the range of risk and protective factors.

For this programme, mental disorders, along with alcohol use disorders (AUDs) and substance use disorders (SUDs) and their respective trajectories, are of particular interest as they pertain to risk and protective factors and treatment efficacy and effectiveness for suicidality. The intent of the funding opportunity announcement is to intensify investigator-initiated research on this topic, to attract new investigators to the field, and increase interdisciplinary approaches to developing effective strategies to reduce suicidality.

Deadline: 5 October 2007

National Institutes of Health

Health Behaviour Change in People With Mental Disorders

The purpose of the announcement issued by the National Institute of Mental Health (NIMH), National Institutes of Health (NIH), is to expand and to refocus



Deputy Vice-Chancellor (Wellington) Professor Andrea McIlroy, Director of Ako Aotearoa: National Centre for Tertiary Teaching Excellence, Dr Peter Coolbear, and Chairman of the Governance Board Bryan Gould.

Ako Aotearoa established

Ako Aotearoa was officially established with a powhiri at the Wellington campus on 4 July.

The National Centre for Tertiary Teaching Excellence, 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. These include Auckland University of Technology, 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.

The powhiri was an opportunity for mana whenua to welcome the Director of Ako Aotearoa, Dr Peter Coolbear, his management team, and Bryan Gould, Chair of the Board of Ako Aotearoa.

For further information visit <http://nctte.ac.nz>

BZP ban right decision on balance

The Government's decision to ban benzylpiperazine (BZP), the active ingredient in most so-called 'party pills' was a tough call but, on balance, probably the right decision, says Dr Chris Wilkins from Massey's Centre for Social and Health Outcomes (SHORE).

Dr Wilkins led a major study by SHORE researchers of legal party pill use in New Zealand. Published last year, it was cited by both proponents and opponents of a ban to back their arguments.

The study identified levels and patterns of use and demographics of users, their use of other drugs and any harm or problems associated with use. It also gauged availability and measured levels of dependency.

A random survey of 2010 people aged 13 to 45 was conducted in February and March last year, which found that one in five had tried legal party pills and two in five (40 per cent) of 18 to 29-year-olds. Men were more likely to have tried them than women (24 per cent, compared with 17 per cent) and Māori were more likely to have tried them than non-Māori

(26 per cent compared with 19 per cent).

Dr Wilkins was surprised at the numbers of people who had tried party pills, saying earlier that initial estimates were a figure closer to 5 per cent than 20 per cent.

"Our survey indicated that party pills were the fourth most widely used drug in New Zealand after alcohol, tobacco and cannabis. That was unheard of in any other country."

While most users reported fairly minor problems, a small number of users had experienced serious problems and had been admitted to hospital with potentially life-threatening conditions.

"There has been no research on the long-term effects of BZP or the role BZP may play in psychological illness. Consequently, there was a strong case for stricter regulation of the use and sale of party pills and, on balance, a ban appears to be the low-risk decision.

"It will be interesting to see if a black market develops and the extent to which the authorities can control any criminal trade that develops."

New appointments

Professor Jeremy Diggle has been appointed the Head of the School of Fine Arts at the Wellington campus.

Professor Sally Morgan, Pro Vice-Chancellor of the College of Creative Arts, says Professor Diggle's appointment strengthens the school's highly-ranked teaching and research status.

Professor Diggle takes up his appointment next month.

College of Education lecturer Kama Weir has been appointed the Head of the School of Arts, Human Development and Health Education in Palmerston North.

Pro Vice-Chancellor Professor James Chapman says Ms Weir brings an ideal mix of leadership experience and skills to an important position. Ms Weir assumed her new role on 2 July.

Dr Marion Court has been appointed acting Head of the School of Educational Studies, following the retirement of Professor Wayne Edwards at the end of June.

Dr Court will hold the role until the end of this year.

Paper in top 50

Dr Bob Stewart's paper *An integrated model for the temporal evolution of andesites and rhyolites and crustal development in New Zealand's North Island* has been acknowledged as among the top 50 most cited papers in the *Journal of Volcanology and Geothermal Research 2003 - 2007*.

Dr Stewart, of the Institute of Natural Resources, noted that a second paper he had contributed to, *The petrology of a large intra-oceanic silicic eruption: The Sandy Bay Tephra, Kermadec Arc, Southwest Pacific*, also made the top 50.

Both papers are outputs of the Foundation for Research and Technology programme Living with Volcanic Risk.

Business contact from partnership

The Manawatu's two main tertiary providers, Massey and UCOL, are joining forces to give their top business students closer contact with the business sector.

Working with Vision Manawatu, they are starting business breakfasts, to be held in Palmerston North, bringing together students, academics and members of the business community.

College of Business marketing manager Fraser Bell says the concept aims to give high achieving students the opportunity to develop relationships with the local business community "in the relatively sophisticated atmosphere of a business breakfast".

The first will be held on 26 July, with further breakfasts planned for October and next April.

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Te Kūmanga ki Pūrehurua



The Munster participants of the e-tandem project, with Ute Walker (right) and Christina Holtz (second from right).

Bridging the gap between research and business

Professor Claire Massey has been a driving force in an initiative by the International Council of Small Business to make relevant research more accessible to users.

At the council's recent annual conference held in Turku, Finland, Professor Massey was re-elected as Senior Vice-President (Research and Publications). She was also presented with the President's Award for services to the organisation.

Professor Massey is head of the Department of Enterprise Development, Director of the Centre for Small and Medium Enterprise Research and acting head of the Department of Management.

She is the first New Zealander to fill a senior presidential role within the international council, which has nine regional affiliates across every continent and about 2500 members. It is also the second time she has received the President's Award.

She says the latest honour was very unexpected "but it is pleasing to see that the initiatives that I have put in place this year have been appreciated".

Those initiatives have been about delivering greater benefits to members and a wider group of stakeholders, through her portfolio of research and publications.

They include the creation of Bridges, a

groundbreaking web-based email publication aimed at closing the gaps between the four groups represented by the council: researchers, educators, practitioners, including business people, and policy makers.

Professor Massey describes Bridges as an "exciting development that involves taking the best and most relevant of research – for example, some of the long papers presented at our conferences that are of particular interest to business people and policy makers – and making this research more widely available in a form people can cope with".

A summary, "longer than an abstract, usually two or three pages long", is created and posted on the council's Bridge web site. Comment is encouraged. "This means Bridges work both ways: the researchers are communicating their findings clearly to users whose responses can be fed back to the researchers," says Professor Massey.

She says one example of a user who may stand to gain could be a policy maker at the Ministry of Economic Development.

As well as helping to develop a process of workshopping good papers from conferences to make them more publishable, Professor Massey has been working closely with the editor of the council's journal, *The Journal of Small Business Management*.

New IT opportunities in India

New partnerships between the University and India's leading information technology trainer will create opportunities for New Zealand start up companies – and for management training.

The University's Graduate School of Business (GSB) and its Auckland-based e-centre have both signed agreements for partnerships with India-based CMC Limited, formerly IBM.

The e-centre partnership is designed to create new routes to Indian and international markets for IT startups, while the GSB partnership will create a range of management education opportunities in New Zealand and India.

CMC is the leading education provider in IT in India, with more than 250 training centres. Whereas many IT companies focus on the international market, CMC is domestic-focused. The e-centre initiative is centred on exporting innovative technology solutions developed in New Zealand to a global market, which will be facilitated by CMC.

"The business model will entail the e-centre conducting evaluations of up-and-coming New Zealand technology companies that are looking to go global," says R. Ramanan, managing director and CEO of CMC. "Candidates that are accepted will receive the support of CMC to bring them to the global market."

Twenty companies are currently being

evaluated, some of which are already in commercial negotiations with companies in India, facilitated by CMC.

The relationship is also intended to open up new routes to market for more mature companies. The partnership with the Graduate School of Business will involve a number of training and educational offerings in India and New Zealand.

Mr Ramanan says rapid growth in the Indian economy is driving the need for business education. "Universities and colleges in India do not have access to world-class business programmes. In addition, global companies are setting up base here and demanding that the managerial capability they have elsewhere in the world is comparable in their Indian offices."

He believes this tremendous demand for management capability can now be addressed. "Massey can help us bring world class capability to this area," he says.

The partnership will be flexible but may include short course executive education. The Massey Master of Business Administration Executive two-year programme may also be run in India.

Indian MBA students may also work in internships with the e-centre start up companies, creating a merging of the two partnerships.

Massey People

Council Report

The July meeting of the University Council began on Thursday, 5 July with a half-day session focused on the Tertiary Education Commission's new planning framework, Investment Plans.

The meeting continued on Friday, beginning with presentations from Professor Robert Anderson, College of Sciences, and Professor Sally Morgan, College of Creative Arts, outlining the strategies for their colleges for the near future.

The agenda for Part one was relatively short with the Vice-Chancellor Professor Judith Kinnear, having just returned from overseas duties, tabling her Part one report. She noted the success the University had achieved recently in securing funding for a new Centre

of Research Excellence, the Riddet Centre, updated the Council of the PBRF results and on other successful funding bids including to the Health Research Council.

She once again recognised the staff who had been awarded national tertiary teaching excellence awards – Dr Bryan Walpert and Dr Tracey Riley, and advised Council that Dr Peter Coolbear had taken up the role as director of Ako Aotearoa – the National Centre for Tertiary Teaching Excellence.

The meeting finished with a verbal report by Professor Nigel Long, Deputy Vice-Chancellor (Academic and Research) providing Council with background to the 2006 PBRF round in response to recent media reports that some institutions had taken advantage of loopholes in the PBRF process.

Professor Long said the overall strategy had been to focus on maximising our research

performance in a number of subject areas identified as being strategically important to the University. There was also emphasis placed on ensuring that, unlike 2003, the University did not put forward more staff than were eligible for PBRF.

As a result of this strategy. The University submitted a similar proportion of PBRF staff who were PBRF eligible as other universities, and a similar percentage to 2003.

Professor Long said the strategy was successful, and combined with the commitment from staff, resulted in the University increasing its overall quality score and funding allocation and significantly increasing the number of staff with A and B rankings as well as the number of research active staff.

13 subject areas were ranked in the top three and the University attracted an increased share of the PBRF pool.

Massey People

In the news

20 June

Manawatu Standard: Dr **David Lambert**, from the Institute of Molecular Biosciences, discusses the issues surrounding the future for the human population at this year's International Evolution conference held in Christchurch.

Manawatu Standard, The Dominion Post, Biosecurity, Otago Southland Farmer, Rural News, Canterbury Farming: Professor **David Mellor** and Professor **Kevin Stafford**, Co-Directors of the Animal Welfare Science and Bioethics Centre, say the centre's naming as a collaborating centre of the World organisation for Animal Health, marks the foundation of 50 years of research, and puts them in the powerful position to influence animal welfare around the world.

21 June

The New Zealand Herald: Professor **Bob Hargreaves**, from the Department of Finance Banking and Property, says the introduction of a capital gains tax has pushed home ownership further out of reach, as median house prices are now 7.5 times the average wage.

21 June

Manawatu Standard, The Dominion Post, RLI, stuff.co.nz, RNZ: Professor **Robyn Munford** and **Jackie Sanders**, from the School of Sociology, Social Policy and Social Work, were involved in research that suggests paranoid parents who are over protective of the safety of their children, run the risk of removing the child's ability to articulate why they make bad choices.

22 June

The Dominion Post, RNZ, RLI: Professor **James**

Chapman, PVC (education) says he is alarmed at declining numbers of male university graduates, and the country will soon begin to feel the effects of a dwindling pool of talent.

Manawatu Standard, The New Zealand Herald: Dr **Aaron Marshall**, from the Institute of Technology and Engineering, was a recipient of the Elizabeth Ellen Dalton Award, recognition of his work as an emerging leader in research and science.

23 June

The New Zealand Herald: Dr **Dianne Gardner**, from the School of Psychology, says being underemployed, in a job that isn't demanding or challenging enough, can also be a problematic example of stress.

25 June

The Press, nytimes.co.nz, Timaru Herald, Ashburton Guardian: Dr **Jeroen Douwes**, from the Centre for Public Health Research, says recent findings of a study linking antibiotics to the development of asthma, were significant, but did not explain New Zealand's high rate of asthma.

TV One Close Up, RNZ, Dannevirke Evening News, Wanganui Chronicle, Hawkes Bay Today, Daily Chronicle, Otago Daily Times: **Claire Matthews**, says Eketahuna has come up with a solution for banks giving up their service to the rural town, by setting up their own money exchange.

26 June

Manawatu Standard: Professor **Allan Rae**, from the Department of Applied and International Economics, has been appointed Adjunct Professor at Henan Agricultural University. The appointment will increase the involvement of New Zealand academics in Henan's postgraduate study. *Manawatu Standard*: Dr **Wayne Hein**, Director of the Hopkirk Institute, says the Institute is currently

working on trying to find definitive management techniques that could help farmers deal with drench resistant worms in sheep, as farmers have identified this to be one of the biggest challenges they face.

28 June

Newstalk ZB: **Claire Robinson**, says the proposed ban on the media releasing satirical portrayals of politicians, is a waste of time.

29 June

The New Zealand Herald, Newstalk ZB, Otago Daily Times, The Dominion Post, Nelson Mail, Northern Advocate, stuff.co.nz: Dr **Chris Wilkins**, from the SHORE Centre, says the decision to ban BZP in New Zealand was a tough call but the right one, even though most users had reported only minor problems, a small number had experienced potentially life threatening conditions.

Otago Daily Times, Newstalk ZB, The Daily Post: Dr **Leigh Signal**, from the Sleep/Wake research centre, warns employers that the America's Cup could be taking its toll on the amount of sleep their employees are getting, and this reduction in amount of sleep will affect how a person functions. *RNZ, Radio Watea*: Dr **Manuhia Barcham**, from the Department of Management, says the number of Maori living in Australia has increased by 27% in the last five years.

1 July

Herald on Sunday: Dr **David Tripe**, from the Centre for Banking Studies, says banks are being asked to do more to attract customer loyalty, but good service across the board is a hard task and an ideal that is hard to achieve.

Herald on Sunday: Professor **Jenny Carryer**, from the School of Health Sciences, led research into the stress being put on nurses, which is resulting in patients being put at risk.



Energy conference underway

The University's Centre for Energy Research is holding its fourth annual energy postgraduate conference on 17 and 18 July, supported by the new National Energy Research Institute (NERI).

The conference provides a forum for research students in the broader energy-environment area to present their work to peers, supervising staff, and attendees from government and industry.

Keynote speakers include Green Party co-leader Jeanette Fitzsimmons and chief executive of the Energy Efficiency and Conservation Authority Mike Underhill.

Professor Ralph Sims, director of the Massey Centre for Energy Research, will speak on climate mitigation at a public lecture at the Palmerston North Convention Centre at 5.30pm on 17 July.

As well as Massey graduates, attendance is open to NERI partners, including Auckland, Canterbury, Lincoln, Otago, Victoria and Waikato universities, CRL Energy Ltd, Crop and Food Research, Industrial Research Ltd, Institute of Geological and Nuclear Sciences, Landcare Research and the New Zealand Centre for Advanced Engineering.

Massey staff or students wishing to attend conference sessions should email a.g.duncan@massey.ac.nz.

Massey students teach and learn in Cook Islands classrooms

Trainee teachers have been getting a taste of classroom life in the Cook Islands so they'll be better prepared to teach Pacific Island students in New Zealand schools.

A group of 19 student teachers recently spent two weeks teaching at three schools in Rarotonga, the largest of the Cook Islands. It was the third consecutive year students enrolled in the postgraduate Diploma in Teaching (Primary) and led by Michael Irwin, senior lecturer at the College of Education, flew to the Cook Islands during term break.

"We wanted to give trainee teachers an experience of teaching students in the Pacific Islands, because most of them will end up teaching Pacific Island children here in New Zealand," says Mr Irwin.

Without this experience, teachers don't necessarily appreciate the cultural background of New Zealand-based Pacific Island students – a factor that can make a difference in classroom communication and understanding of students' needs, he says.

"One thing they (the trainee teachers) see is that the kids really love learning. We hear so much about the negative statistics and being at the bottom of the heap. But these kids love learning and respond positively when someone takes an interest," says Mr Irwin.

The teachers also learn to be more resourceful, honing their teaching skills without relying heavily on computers and other technology which is in short supply in most Cook Island schools.

The idea for the teaching trip arose three years ago through links with another Massey staff member, Bobby Hunter, who is also



a senior lecturer in education at Massey's Auckland campus and is of Cook Island descent.

The group takes resources of paper, books, stationery, art materials and even soccer balls donated by a local sports company, as schools in the Cook Islands have fewer resources.

"When we arrived, there was no art on the walls of this one school, but by the time we left it was covered with the kids' pictures," says Mr Irwin, who specialises in art education.

He stresses the trip is mutually beneficial, with the New Zealand teachers and Cook Island students learning from each other, and teachers swapping professional notes with their Cook Island counterparts.

The trip is optional, with participants paying around \$1400 for flights, food and basic hostel accommodation. Many of the students come to teaching after travelling extensively overseas or from years in the workforce in accountancy, business, the arts, computers and science, and are passionate about wanting to teach, often relinquishing hefty salaries to do so.

New fundamental sciences head brings world-class expertise and equipment to Massey

The Institute of Fundamental Sciences has a new head, world-renowned mass spectrometry expert Professor Peter Derrick.

The Palmerston North campus is also about to become home to the most powerful mass spectrometer in Australasia, the 9.4 T FTICR mass spectrometer, as Professor Derrick relocates his research equipment.

The mass spectrometer uses a strong and homogenous magnetic field, with a Fourier transformation mathematical tool to assess the weight of a molecule. High resolution and high mass-accuracy are possible using the FTICR, which will be housed adjacent to the NMR suite in Science Tower C.

Professor Derrick was one of the first scientists to promote and develop mass spectrometry for the characterisation of proteins. He developed tandem time-of-flight mass spectrometry for macromolecules and pioneered applications of Fourier transform ion cyclotron resonance (FTICR) to peptides and proteins.

Research interests include the development of mass spectrometers, the study of protein interactions and nanoscience. Equipment developed and used by his team while he was chairman of the Department of Chemistry at the University of Warwick are following Professor Derrick, with doctoral students from Warwick due to start arriving in August to use the technology.

It was after leading major change in chemistry at Warwick that Professor Derrick was informed of the need for a new Head of Institute at Massey.

"The drawing together of physics and chemistry, together with mathematics, in a

very positive and conscious way caught my eye," Professor Derrick says, "and the idea of working across two cities (Albany and Palmerston North).

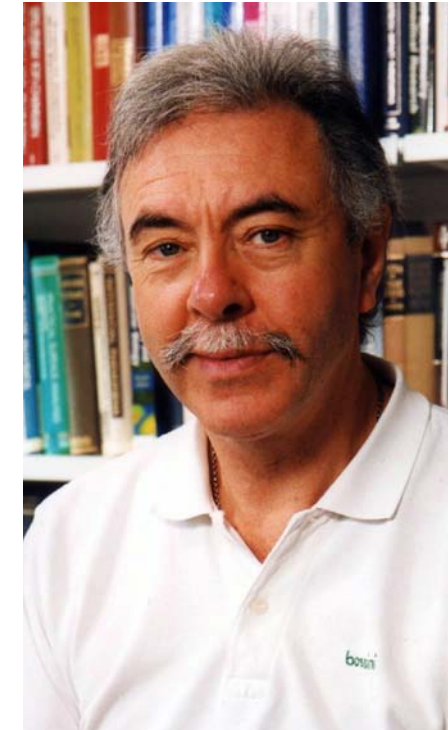
"It's a friendly Institute and I'm already positively encouraged by the enthusiasm right the way through. There are young people here I'm meeting for the first time who want to do well and flourish by international standards and that's tremendous. And there's older people who are terribly accomplished and experienced and they are equally positive."

Professor Derrick's research is focused on proteomics, defining the proteins within cells and how they change over time. The driver is molecular medicine. Nanoscience and specifically metal clusters is another focus.

"People used to think that genes were where you fixed the body's ills," he says, "but it has come to be known that the number of proteins outweighs the number of genes so there is some work going on there."

Recent work has addressed the effects of antibiotics. "We can see how the antibiotic interacts with the cell by looking at the weak molecular interactions. If it is interacting you see the cell mass increase, that's the first step in the action. If the antibiotic attacks the cell wall and disputes the growth it will eventually die. We need to see how the antibiotic attaches itself, and to see if it doesn't we have to see what the bacteria has done to protect itself from that molecule."

Deputy Head of Institute and Director of the Centre of Theoretical Chemistry and Physics Professor Peter Schwerdtfeger says that as well as Professor Derrick's expertise in mass spectrometry, he has a wide area



Professor Peter Derrick.

of research interest which will significantly benefit the University and strengthen its work in nanoscience.

Professor Derrick had visited New Zealand previously, while working at the University of New South Wales in Sydney and La Trobe University in Melbourne.

He has also spent time at University of California at Berkeley and Royal Institute of Technology in Stockholm. Professor Derrick received all his degrees from King's College in London.

Richards named NZU Sportsperson of the Year



Rugby player Anna Richards with Deputy Vice-Chancellor (Palmerston North) Professor Ian Warrington.

Rugby player Anna Richards, an extramural student from the Auckland campus, is New Zealand University Sportsperson of the Year. A first five-eighth with the Black Ferns, Anna was a finalist for Sportswoman of the Year at the 2006 Halberg Awards.

She held off a strong challenge from Commonwealth Games swimming gold medallist Moss Burmester to be awarded the title. Burmester, also from Massey's Auckland campus, will captain the New Zealand team at the 2007 World University Games in Bangkok in August.

Richards, a graduate student in sport management, was honoured for her outstanding performance in last year's Women's Rugby World Cup in Canada, which saw her named player of the match in the final against England.

Massey sportswomen and men dominated this year's National University Blues Awards for sporting achievement, scooping 14 of the 65 awards.

Blues winners received their awards at a ceremony held at Massey's Wellington

campus on 29 June. They included: Canoe/Kayak – Michael Dawson and Mark Yungnickel (Palmerston North); Canoe Polo – Joanna Wright and Tania Perrett (Palmerston North) and Olivia Spencer-Bower (Wellington); Hockey – Emily Naylor (Palmerston North); Ice Hockey – Andrew Hay (Wellington); Karate – Amy Thomason (Wellington); Motorsport – Sara Randall (Palmerston North); Rollersport – Sarah-Jane Jones (Palmerston North); Surf Life Saving – Johanna O'Connor (Auckland); Swimming – Moss Burmester (Auckland); and Yachting – Matt Coutts (Auckland).

Massey and Waikato are celebrating joint top university status with 14 recipients.

Student Sara Randall, rally co-driver to New Zealand champion Richard Mason (also her fiancé) received the first ever Blue for motorsport.

The Universities Blues Award is the highest sporting accolade given in the tertiary system. It is part of a tradition dating from 1922 in New Zealand and earlier in England, where the colours of Oxford and Cambridge Universities came to be a symbol for sporting excellence.

Is discrimination behind higher drug use?

Gay, lesbian and bisexual people are significantly higher users of alcohol, tobacco and illicit drugs than the heterosexual population, according to the latest analysis of national health data.

The disparity in rates of substance use have been found by researchers analysing data from the New Zealand Health Behaviours Surveys, commissioned in recent years by the Ministry of Health.

Gay, lesbian, and bisexual populations were only slightly more likely to use alcohol.

However, while 42.7 per cent of the gay, lesbian and bisexual group reported that they smoked tobacco regularly over the past year, this compared to only 27.7 per cent of heterosexuals.

The gay, lesbian, and bisexual population was also more than twice as likely to have used marijuana over the past year as heterosexual survey respondents; nearly four times as likely to have used amphetamines on a regular basis in the previous 12 months; more than four times as likely to have used LSD over the past year; and more than three times as likely to have regularly used Ecstasy over the previous year.

The researchers were also able to compare various sub-groups finding that disparities were particularly elevated for lesbian and bisexual women with regards to illicit drug use, and for gay and bisexual men with regards to alcohol and tobacco use.

Māori gay, lesbian and bisexual people when compared with Māori

heterosexuals and their non-Māori peers, reported lower usage of alcohol but higher usage of tobacco and some illicit drugs.

Lead researcher Frank Pega is presenting the findings to the annual conference of the Public Health Association and says this is the first comprehensive national evidence from a general population survey that differences do exist between the groups.

"The implication of this research is that public health policy on substance use needs to address these health disparities by including also gay, lesbian and bisexual communities as priority populations.

"The findings also highlight a need for health promotion initiatives and substance use interventions targeted specifically at gay, lesbian and bisexual populations to be established," he says.

"Other research has already established that gay, lesbian and bisexual peoples' substance use is related to their experience of discrimination and to social stress arising from this."

Mr Pega is a member of the Whariki Research Group working with the Centre for Social and Health Outcomes Research and Evaluation (SHORE). With researcher Dr Nicole Coupe he took data from the Health Behaviours Surveys on drug use conducted in 2003 and on alcohol use in 2004.

The surveys were a major research undertaking that saw more than 15,000 New Zealanders interviewed by telephone.

Exhibition shows Leonardo's powers of invention

An exhibition of 60 models of machines and other devices based on the drawings of 15th and 16th century artist, scientist and inventor Leonardo da Vinci is coming to Palmerston North this month.

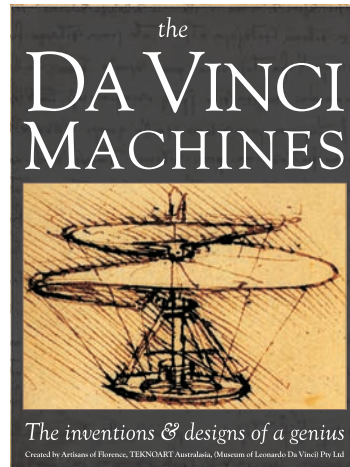
It is only the second New Zealand appearance of the exhibition, put together a decade ago by a group of Florentine artisans and academics using materials that would have been available when Leonardo was alive (1452-1519).

Sponsored by the University, Dr Eileen Fair and Science Centre Incorporated, the *Da Vinci Machines* exhibition at Te Manawa gallery will run from 28 July until 22 October.

It features models of flying machines, nautical craft and military machines that he envisaged often centuries before similar objects were invented and used.

The models will be displayed alongside copies of Da Vinci's original drawings and interactive displays encouraging visitors to operate the machines themselves.

A group of fourth-year students from the School of Engineering and Technology are designing for display modern versions of the drawings using the latest computer technology. These will suggest links between Da Vinci's



version of a glider and the iconic World War II fighter plane the Spitfire; a car-like machine powered by springs and the Formula 1 Ferrari; and his LV39 robot and the chatty *Star Wars* android C3PO.

A wide range of supporting activities will be associated with the exhibition. A business 'After Five' function will be hosted by Massey on 7 August, which will allow local business people the chance to view the displays.

Local technology and engineering firms will have their activities on show adjacent to the exhibition to provide a contrast between Da Vinci's discoveries and their modern counterparts.

On 8 August, several Massey staff will present three short talks about da Vinci's work.

Dr Stephen Marsland will discuss images and geometry, the fact that Leonardo was one of the first artists to think of images mathematically.

Associate Professor Richard Haverkamp will give a talk entitled *Nanotechnology – small, beautiful and useful*, which is based on a claim Da Vinci made in about 1490 that by the time of his life all the useful and pleasant subjects had been considered or discussed by other people.

The third talk will be by Professor Bob Hodgson and Garry Allan on machines that use artificial intelligence, an idea that eluded the man who had the genius to invent or foreshadow the bicycle, the helicopter, aeroplanes, parachutes and scissors, when he wasn't painting.

Te Manawa director of exhibitions and programmes Peter Sarjeant says the exhibition has grown since it first appeared in New Zealand, at the Auckland Museum in November 2005 and early last year, with another 10 machines added by the group from Florence.

Two of the artisans will travel from Italy in the first week of the exhibition and build a further machine – a prototype bicycle envisaged by Da Vinci centuries before its actual invention.

The construction will be a "live" part of the exhibition, Mr Sarjeant says.

"One of the things I really like about the exhibition is that it showcases innovations and inventiveness, which ties in with what's happening in the Manawatu – with Massey, the CRIs, Te Manawa, our whole region really."

Deputy Vice-Chancellor (Palmerston North) Professor Ian Warrington says the exhibition should inspire young people and encourage students to consider careers in technology and engineering.

"Massey's leadership in subjects as diverse as nanotechnology, food technology, and computer-aided design offers many choices to those who seek training in these and related fields."

Cool idea wins national design award

A cooling vest for athletes has won the Dyson Product Design Award for industrial design graduate Stephen Smith. He beat three Massey graduates who were also finalists for the \$3000 prize.

Mr Smith's 'Arctic Skin' vest stabilises a sportsperson's body temperature via a cooling process, which enables them to maintain an optimal physical performance for longer periods while competing.

"The vest provides a solution for endurance athletes who need to overcome dehydration during competition. It stores drinking water and the vest's fabric absorbs water in its in-built cooling system to prevent athletes from overheating and suffering from dehydration," he says.

He says while he has researched the marketplace and produced a prototype for Arctic Skin, the product is at concept stage only, and he would welcome an opportunity to commercialise his design.

Open to final-year design and engineering students and recent graduates, the Dyson Product Design Award recognises emerging designers whose work demonstrates the ability to think differently and create products that solve problems and work better than existing products.

Acting regional director at the Auckland School of Design Azhar Mohamed says design research has always been at the core of teaching at Massey.

"The fact that all the finalists are from Massey's Auckland and Wellington Schools of Design proved the calibre of our graduates. I am thrilled by their success."

Recent PBRF rankings confirmed Massey as New Zealand's

leading design school. Head judge and Designer's Institute product representative David Lovegrove said the Arctic Skin stood out for its innovation and creativity and reflected the award criteria and Dyson philosophy of making products work better.



Stephen Smith.

"All finalists are enthusiastic designers and they are passionate about their products," Mr Lovegrove said. "They each undertook a thorough design process, which led to well-developed concepts."

"What particularly excited the judges was the potential for sporting, military and safety markets, and its global possibilities."

The other finalists include Ben Thomsen's 'All-Terrain In-line Board', a skateboard reinvented to move on grass; Chris Moor's 'Surge Surf Ski', a surf lifesaving ski designed for better handling and speed in the water; and Gus Donaldson's 'Kaichair', a space-saving highchair for cafes.

Mr Smith was also named a British Council New Zealand design ambassador, and will travel to Britain in September with \$3000 travelling expenses and have the opportunity to tour Dyson's research, design and development facility.



The winning team, with some of their advisers. From left to right: Jess Nelson, Sara Jones (Idaho Business Week), Evan Kroll (Stevenson's Structural Engineering), Astrid Genet, Fiona Turner (Massey University), Nicole Bourke, Sophie Duggan, Joshua Miers-Jones, Fraser Stewart and Toni Stills.

Blacks take the honours in New Zealand Business Week

The future is far from black for seven students from seven New Zealand secondary schools.

As the Black Team, the students took first prize in New Zealand Business Week, the country's only total immersion programme for budding young entrepreneurs. The annual programme, which ran through last week, is organised by the College of Business and Palmerston North Boys' High School, with support from the Manawatu business community.

The winning team was: Sophie Duggan from Iona College in Havelock North; Nicole Bourke from Central Hawke's Bay College; Fraser Stewart from Palmerston North Boys' High School; Astrid Genet from Napier Girls' High; Joshua Miers-Jones from Katikati College; Jess Nelson from Palmerston North Girls' High School; and Toni Stills from Villa Maria College in Christchurch.

More than 60 students from throughout the country took part in the non-stop residential programme in Palmerston North. All participants were offered scholarships towards study at the College of Business, with scholarships of higher value for members of

the winning team.

Organiser Dr Colin Higgins says standards were high this year and selecting a winner was a close call.

"It didn't really become clear until the last event in the week's agenda, the Trade Fair, where teams put their 'products' in front of the public."

The students form 'company' teams and are each given two business advisers and mentors, mostly representatives of leading businesses in the Manawatu.

One of this year's advisers was a university student who was a competitor in a similar programme in the United States.

Throughout the week the teams focused on a retail clothing project, making a series of company decisions, which were fed into a computer business simulation programme created by Dr David Tweed. The consequences of their decisions were reported back to the teams and acted on.

The winner was announced at a special Business After Five function, jointly hosted by Vision Manawatu, with Business New Zealand chief executive Phil O'Reilly as guest speaker.

Trust assists Wairarapa students

Fourteen students have been named as this year's recipients of the Sydney Campbell Scholarships. The scholarships assist diploma and degree students from the Wairarapa studying agriculture or horticulture at Massey University, with recipients this year each receiving \$1500.

The scholarships are derived from the Sydney Campbell Trust, owner of the Riverside Farm property near Masterton. The farm is leased to the University on a long-term basis and is used for farm-related research, especially focusing on areas that will benefit the Wairarapa. The major portion of the Trust's

income is used to fund the scholarships.

Recipients this year are: Peter Apthorp, DipAgri, Pahiatua; Elizabeth Ashby, DipVetNursing, Carterton; Clementine Barton, BVSc, Masterton; Peter Beech, AgriBus, Masterton; Andrew Bouton, BAppSc/Agr, Masterton; Jennifer Breukers, BVSc, Masterton; William Cuttance, BVSc, Pahiatua; Kate Ferry, BVSc, Eketahuna; Noelle Finlayson, BVSc, Featherston; Wendy Hull, BAppSc, Pongaroa; Craig Lawrence, BVSc, Masterton; Sarah McKenzie, BAppSc, Masterton; Ilyse McMillan, BVSc, Masterton; Amy Smith, BBS/BSc, Masterton.

Politicians-versus-media

Visiting Professor Karen Ross will review the often-vexed relationship between the New Zealand media and politicians, during a ten-week tenure with the University.

The visit by the British political communications expert is sponsored by the Department of Communications and Journalism. She will spend five weeks at the Wellington campus, after a period at Palmerston North where she delivered a lecture titled *Researching Politics and Diversity, Media and Identity* on 27 June.

Her next lecture, on processes for interviewing "the elite", will be held at the Wellington campus on 23 August.

Until recently, Professor Ross was Professor of Mass Communication at Coventry University. On her return to Britain she will take up a similar position at the University of Liverpool.

After gaining a degree in social policy, she became a youth worker in 1986. She received her PhD in Race and Ethnic Relations from the University of Warwick in 1990. Through her career, her work has focused on aspects of inequality both in terms of media representation and the gendered political economy of media industries.

Projects have included work on equality and diversity in higher education. She was visiting professor in the School of Politics and International Relations, Queens University Belfast from 2001 to 2004.

In New Zealand Professor Ross will study how politicians are portrayed by the media and will interview Members of Parliament about how they see their relationships with local and national media.

She says 63 MPs have accepted her invitation to take part in the research, which is part of a wider, 10-year project on politicians and media.

Montana finalist

A book edited by Professor Kerry Howe to accompany the Vaka Moana exhibition has been selected as a finalist in this year's Montana New Zealand Book Awards.

The 368 page book, *Vaka Moana: Voyages of the Ancestors*, has chapters from international experts on Pacific history and migration, two of them contributed by Professor Howe.

It is one of three titles selected as a finalist in the history category of the country's top book awards. Winners will be announced on July 30.

Professor Howe, a leading Pacific historian, drew on years of research and writing to contribute to the book and edit it.

He was also a curator of the widely acclaimed exhibition which opened last summer in Auckland.

Negative media effects on Māori

The effects of negative media coverage on Māori and the way in which media cover Māori issues will be scrutinised by social researchers.

Funded by the Health Research Council, this latest study is the initiative of the Massey based Māori health research group, Whāriki. They will focus their study on a recent three week sampling of print, radio and television news and current affairs stories, focus groups and action research studies.

"Mass media strongly shape our personal and collective social realities," says lead researcher Dr Tim McCreanor.

While there have been studies of media coverage and Māori, the media environment has changed with more Māori media and more Māori journalists today bringing some new perspective to media coverage says Dr McCreanor.

The Whāriki project, *Media, health and wellbeing in Aotearoa* aims to make findings that will contribute to enhancing wellbeing by examining the impacts of persistent negative depictions of Māori in media.

The researchers say the links between racial and ethnic bias and the health and wellbeing of individuals are increasingly recognised in international literature based on academic research around the world.

"Racism produces direct harms from violence, poverty, low status work, poor quality housing and built environments. The marginalisation entailed in racism reduces opportunities and maintains stress levels which over the lifespan result in multifaceted ethnic disparities in a wide range of social settings.

"The mainstream media as a key institution of representation, currently play a critical role in the marginalization of Māori through persistent negative representation and non-representation."

The Massey researchers also plan to develop and test a model of media accountability for representations of Māori/Pākehā relations and to engage media in renewed efforts to tackle discriminatory or marginalising media coverage.

Such a model could be applied in other situations of conflict between indigenous and colonising populations.

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Essentials not forgotten in Turbo wax promotion for students

Brazilians are world-renowned for their passion and prowess at soccer but in the Manawatu it is a Brazilian of a different kind helping promote rugby.

Beers, burgers and Brazilian waxes are being given away as part of a promotion aimed at getting students to support the Manawatu Turbos in their second season back in the premier division Air New Zealand Cup.

Michael Dwyer, a third-year year Bachelor of Business Studies student majoring in sports management and coaching, is selling \$40 Turbo packs on the Palmerston North campus as part of his practicum assignment for his degree.

Mr Dwyer reckons the packs, which include tickets to the season's five home games, are a bargain and worth closer to \$150. He had 500 to get rid of and they are selling fast as the first home match looms in just three weeks.

The biggest talking point – and arguably most sought after item – in last year's Turbo packs was the voucher for a Brazilian wax at Palmerston North beauty salon Studio 31.

"The wax," Mr Dwyer says, "is back."

When invited to contribute a discount voucher to the pack, Studio 31 owner Wendy Newth was so confident anyone who had one Brazilian would be back for repeat business she threw in the first-time wax voucher for free. Clearly her business instincts proved correct because with the usual charge of \$67, the wax voucher alone is worth more than the price of the pack.

Add to that a can of beer from Speight's and a Big Mac from McDonald's Rangitikei St (both Manawatu Rugby Union sponsors), a



Mike Dwyer and fellow student Stephanie McKillop prepare to sell the turbo packs.

green Turbos poncho and wristband, and the modern student rugby supporter could find his or herself fed, watered, dressed up and feeling special under the poncho as they cheer from the sideline.

The general admission tickets to FMG Stadium are worth \$15 each and provide entry to games against Waikato (on 26 July), Bay of Plenty (19 August), Otago (9 September), Counties-Manukau (15 September) and Hawke's Bay (29 September).

Mr Dwyer is one of a group of students who do practical promotional work for the rugby union and other local sports events organisations to gain practical business

Pregnant women offer insights for asthma research

Health researchers working on a groundbreaking asthma study to determine whether and why children raised on farms have greater asthma resistance want another 600 pregnant women from the lower North Island.

So far 200 women have joined the study, which involves filling out a questionnaire.

Dr Jeroen Douwes from the Centre for Public Health Research says asthma and allergies are becoming more common in New Zealand, but living on a farm may protect children against developing these conditions.

His team is studying what prevents people from developing asthma and allergies. They want pregnant women from both farming and non-farming backgrounds to help.

Dr Douwes says children whose mothers had been frequently exposed to farm animals during pregnancy had a 50 per cent reduction in risk of having asthma, hay fever or eczema.

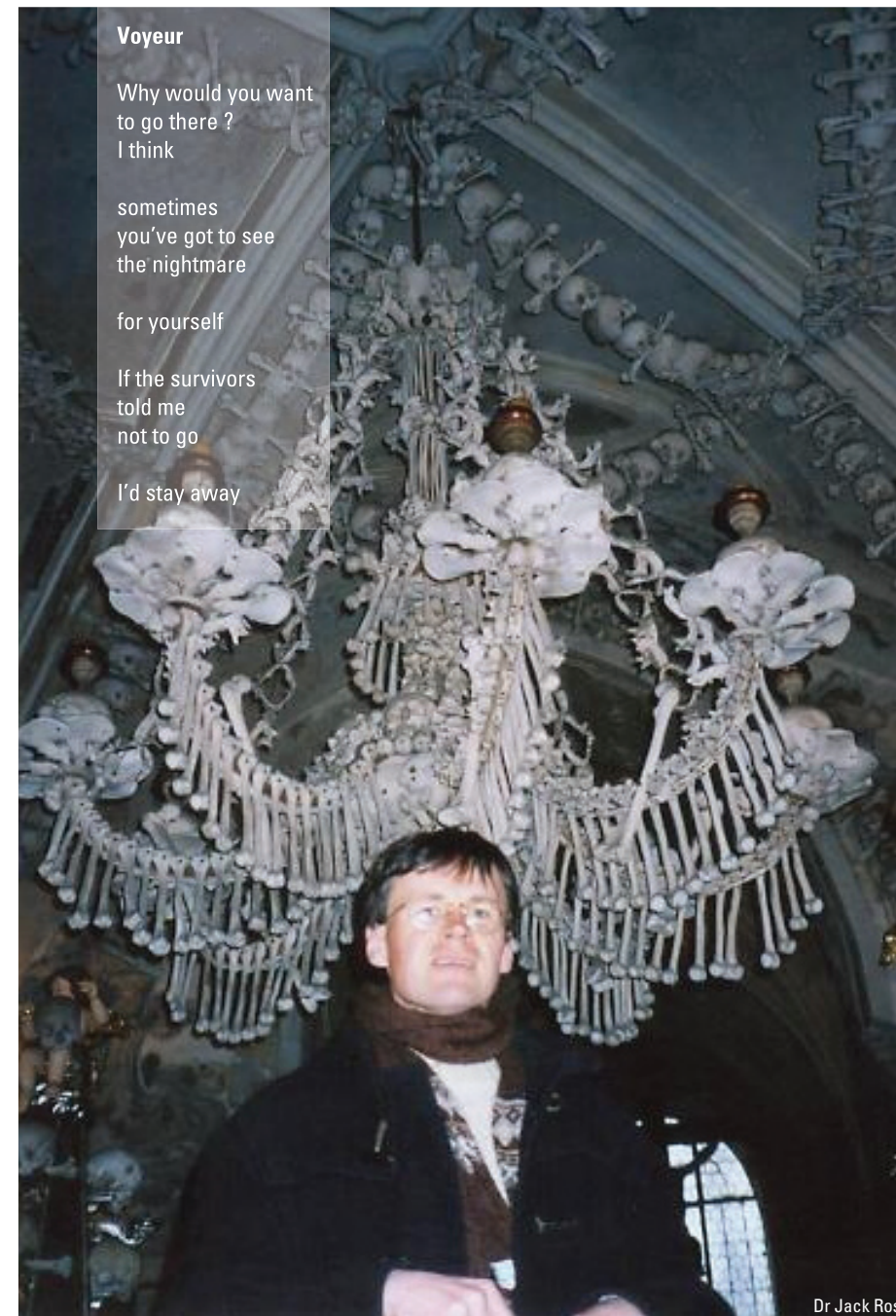
His team is now investigating which specific aspects of animal contact during pregnancy are protective. They also want to find out more about how these factors affect the child's immune system.

In order to do this, they are seeking pregnant women in the lower North Island. They need 800 women to provide enough data for results to be useful.

Dr Douwes says the results will help develop programmes to reduce asthma and allergy risk.

The centre has an \$800,000 New Zealand Health Research Council grant for the three-year study. Dr Douwes says his team is looking for pregnant women from the lower North Island, including Taranaki, Taihape, and Hawke's Bay.

Women who are interested can contact the centre's research nurse Heather Duckett on free phone 0800-000-544.



Voyeur

Why would you want to go there? I think

sometimes you've got to see the nightmare

for yourself

If the survivors told me not to go

I'd stay away

Dr Jack Ross.

Visit to Czech Nazi camp inspires Massey author

Should travellers visit death camps? If so, should they then write about them?

These questions plagued senior English lecturer Dr Jack Ross before and during his visit to Terezín – a former Nazi prison camp near Prague. He'd heard about Terezín, (Theresienstadt in German) before he arrived in Czech Republic to visit Prague-based friends in 2004.

Once there, the efforts of locals to discourage him from going to the village – just

20 kilometres from Prague and where people still live – made him all the more curious and determined to get there.

"If one could feel sure that it really was all in the past, that such things could never recur, then it would be easier to leave it alone."

-Dr Jack Ross

just scenes and images of the place itself and of his observations of modern life in Prague,

The result of his journey is a monograph of verse, essay and photographs, titled *To Terezín*. It's the latest to be published in a series by Massey's School of Social and Cultural Studies.

In it, he evokes not

but ponders the ethical dilemma of what it means to attempt to write about atrocities without exploiting others' misery and suffering for art's sake.

"I guess I didn't really respect the idea of writing about prison camps, of pre-empting someone's suffering," Dr Ross says.

"If I can go prattling on about being in a death camp, what's left for the person who was there?"

Czechs he encountered, including some who still live in the "miserable little town" as he describes it, had implied that to visit the prison site was somehow vulgar, bad taste, inappropriate and a waste of time.

"My subject declared itself pretty early on in the inability of (at least some) of my hosts to understand my motives in wanting to visit Theresienstadt. This led me to question why it had become important to me to go there, and (especially) what I hoped to find there to justify the effort. It was so difficult for me to find answers to their questions that I realised I had inadvertently struck a personal nerve."

"My problem was to write 'naturally' and approachably about one of the most unnatural acts of modern times – without a distinct personal axe to grind and with the full awareness of my temerity in doing so," he says in the book.

Terezín was originally an Austrian garrison town built in the late 18th century. When Hitler's Nazis annexed Czechoslovakia in 1938, it became a concentration camp used as a transit point for more than 200,000 Jews who were moved to death camps further east. Of the 15,000 children who entered Terezín, only 132 survived, although thousands of drawings from children incarcerated there were hidden and can be seen at museums on site as well as in Israel and the United States.

"Most terrifying were the children's drawings – a whole room of them. Lots of them died there," he says.

For Dr Ross, who teaches travel writing at Massey in Auckland, Terezín was also the catalyst for reflecting on how people deal with the past, and how they deny the continuance of past horrors. In the case of Eastern Europe, he observed how vehemently the Romany gypsies are still hated and persecuted, with people referring to them as 'thieves' and vigilante groups burning their tents when they come to town.

To Terezín is an entrancing model of how travel writing can encompass a range of genres – essay, verse, images – as well as wider themes of ethics, philosophy, literature, art and history that feed into a personal exploration of ideas sparked by a particular place.

"As a human being, I have no right to sit in judgement on the people who live in or near Terezín or the thousands of other camps lying like unhealed scars on the body of Europe," he says in the book's epilogue.

"As a writer, though, I have to poke in my nose. If one could feel sure that it really was all in the past, that such things could never recur, then it would be easier to leave it alone."

Study finds Māori views on immigration hardening

Māori attitudes towards immigrants have hardened in recent years while New Zealanders generally are ambivalent about the impact of immigration, according to a just-published report.

The study saw 750 people questioned last year and 1100 questioned in 2003, on a wide range of issues relating to immigration. It provides an overview of attitude trends, says one of its authors Sociology Professor Paul Spoonley.

Although there was no dramatic change in results between the 2003 and 2006 reports, the most significant shift was a hardening of Māori attitudes regarding immigration over the three-year period.

This reflected Māori perceptions that New Zealand culture was being eroded by the effects of immigration, says Professor Spoonley, Regional Director and Research Director College of Humanities and Social Sciences at Massey in Auckland.

"Māori are more likely to agree than non-Māori that Chinese, other Asians and Pacific peoples take jobs away from people who were born in New Zealand," the report says.

Māori attitudes were consistent with their "protection of interests in maintaining a bicultural society, and the assertion of their rights under the Treaty of Waitangi; and their recognition of employment opportunities that might be compromised by ongoing migration".

Interestingly, Māori were much less likely than non-Māori to agree that Chinese, other

Asian or Pacific peoples increase crime rates, the survey found.

But New Zealanders generally were "still quite ambivalent about immigrants", says Professor Spoonley.

"We like the (diverse) food and we like what they're doing to our economy by contributing skills and capital.

"But New Zealanders also see immigrants as sticking together rather than integrating, and that is seen as a negative thing."

Aucklanders, young people and those without tertiary qualifications tended to be less positive towards immigrants, the report also said.

"Attitudes to immigrants and various aspects of immigration are usually (but not always) more negative among Aucklanders than among other New Zealanders, though perhaps less so than might be expected given the greater impact immigration has had on Auckland compared to the rest of the country," the report says.

The 2006 census showed that Asians were the fastest-growing ethnic group – up 9.2 per cent to 354,552 since the 2001 census. Two-thirds of the Asian population live in Auckland, where almost one in five people identify with one or more Asian ethnic groups, the highest proportion nationally.

More than a third of people living in Auckland were born overseas, compared with Southland, where around one in 13 people were born overseas.



Professor Paul Spoonley.

More New Zealanders in 2006 than 2003 saw value in having immigrants fill job shortages, but they also wanted more government consultation with the public on immigration matters, the report says.

The 2003 and 2006 surveys are part of the New Settlers Programme, a multi-disciplinary research programme supported by grants from the Foundation for Research, Science and Technology to contribute to knowledge and an understanding of the settlement experiences of immigrants and their impact on aspects of

Food scientist recognised by peers

Professor of Food Technology Ray Winger has received the top award in his field from the New Zealand Institute of Food Science and Technology.

Professor Winger was presented with the J.C Andrews Award in recognition of his contribution to science and technology and to the food industry. The award is in memory of the University's first Chancellor, Dr John Clark, who championed the establishment of a food technology degree at Massey in the 1960s.

Professor Winger is based at the Auckland campus and first joined Massey's staff in Palmerston North in 1973 when he graduated with a Bachelor of Technology. Two years later he completed his Master of Science and then his doctorate at the University of Wisconsin-Madison, USA.

Professor Winger has also had more than a decade of consulting and commercial experience in the food industry on both sides of the Tasman. He is a respected member of the industry's professional societies and has taken an active role in standard setting, planning and reviewing.

He is the driving force behind the Massey University Food Awards, a prestigious event that showcases the latest developments and



Professor Ray Winger.

innovations from the country's leading food producers from the very large to boutique operations.

The annual NZIFST conference also brought success for a number of other Massey people. Dr Marie Wong was presented with a Fellowship of the institute. A PhD student under the supervision of Dr Wong, Eustina Oh, won the award for the best paper presented by a postgraduate student.

Two fourth-year food technology students, Elliot Munn and Jessica Miller, won first and third prizes respectively in the NZIFST undergraduate writing competition.

Inaugural award for animal care

Receiving the inaugural New Zealand Animal Care Technician's Award is another indicator of the standing of Massey staff in the animal welfare world, says its recipient, Neil Ward.

The award was developed by the New Zealand group of the Australia and New Zealand Council for the Care of Animals in Research and Teaching (ANZCCART), to recognise the significant contribution made by technicians in the day-to-day care of animals. Mr Ward's prize included a trip to Melbourne to receive the award at the annual ANZCCART conference, as well as \$500.

Mr Ward has been at the Palmerston North campus for 38 years, and says he has seen significant changes in the use of animals for research and teaching.

"In the past veterinary, agricultural and science courses have used animals for teaching but progressively we have reduced that to very few, largely by the development of computer-based learning.

Paper earns gift for academic

Institute of Veterinary Animal and Biomedical Sciences senior lecturer Craig Johnson was presented with a carved walking stick, an award for his paper on pain management in ruminants.

The paper was named joint top paper by the Sheep and Beef Cattle Society of the New Zealand Veterinary Association at its conference.

Visiting South African delegates gifted the traditional story stick to the society some

years ago.

"Apparently the carvings are very significant if you know how to interpret them," Dr Johnson says.

Roger Marchant, who presented the award, said the top papers were not easy in that they were not mainstream for practitioners.

"But both presenters retained audience interest throughout and had an impact – both were accomplished presenters and had good presence on stage."



Emily McKeague with Larka, an eight-year-old Husky.

Pet nutrition award for vet nurse

Palmerston North veterinary clinic nurse Emily McKeague has won the inaugural national Hills Pet Nutrition Buddy award for knowledge, aptitude and enthusiasm in pet nutrition. She recently assessed the condition of Larka, an eight-year-old Husky.

After graduating with a Diploma in Vet Nursing in March, Ms McKeague is working as a companion animal vet nurse while she completes two science papers in preparation for starting her BVSc next year. She intends to buy a laptop with the \$1000 she received for the Buddy Award.

Clinic head nurse Lara Angevine said that Larka was carrying just a couple of extra kilos at 25.5kg, with her deceptively thick coating adding kilos.

"What we want is to be able to feel the ribs but we don't want to be able to see them – and we want to be able to see the hips without a lot of extra padding over the top of them."

Staff present at vet conference

Several Institute of Veterinary Animal and Biomedical Sciences staff presented at the New Zealand Veterinary Association Conference in Christchurch earlier this month. Vet clinic business manager Brian Korte spoke on managing client credit. Clinic vet and lecturer Jenny Weston spoke on the work of the Control of Bovine Virus Diarrhoea Committee, and canvassed issues including retention of graduates in a session where Professor Tim Parkinson spoke on what attracted high school students to veterinary work.

Professor Parkinson also ran a workshop on bull soundness. Dr Richard Laven participated in a clinical pharmacology session and spoke on pain management, while Dr Nick Cave and Dr Andrew Worth spoke within the companion animal stream. Kiro Petrovski spoke on mastitis treatment failure. Associate Professor Richard Squires spoke on pancreatitis and diabetes for the vet nurses stream.

Do immigrants get jobs they are qualified for?

Many of us have come across an immigrant doctor, engineer or teacher with a foreign accent working at a supermarket checkout or driving a taxi because they can't get work in their area of expertise.

A major Massey-led study to find out how typical this experience is for professional, skilled migrants who come here is about to get under way.

Sociology Professor Paul Spoonley, Regional Director (Auckland) and Research Director College of Humanities and Social Sciences, heads the \$3.2 million joint project involving Massey and Waikato University researchers who will spend five years examining how well immigrants adapt and thrive here.

"One of the questions we'll be asking is 'if we recruit skilled immigrants, do we use those skills once they arrive in the country?'"

Similar research done in Canada recently revealed a huge gap worth around \$2.4 billion (Canadian) between the income immigrants could expect given their qualifications and experience, and what they actually received.

Around 50,000 people migrate to New Zealand every year, mostly from the UK but increasingly from China and India.

Although there are different categories people can apply to come here under, such as family reunification or entrepreneurial skills and business investment, many are allowed in because their qualifications and experience in IT, engineering and plumbing are needed to fill local shortages.

Investigating the impact of "ethnic clusters" is also on the research agenda. Teams of researchers will interview people from ethnic

communities in Auckland and Hamilton to find out how these groups survive economically and socially, and whether the high rate of self-employment among immigrants is by choice or default.

Northcote's Chinese and Kingsland's Indian communities in Auckland are examples of established ethnic precincts that highlight the changing nature of immigrant business activity.

"We really want to find out what contributes to those clusters, and whether we should be concerned," Professor Spoonley says.

"What are the advantages (of having ethnic clusters) to New Zealand society and the economy, and what are the advantages to immigrants themselves?"

He mentions cities like Sydney and Toronto, which have embraced ethnic communities because they create a point of difference with positive characteristics and tourism benefits.

"We haven't got to that point in Auckland yet," he says.

"Part of what we'll be doing is trying to get a picture of where our major cities, especially Auckland, are heading given the impact of immigration.

"There's also the fundamental question of settlement. We're investing a lot in immigrants, in selecting them and bringing them here. Is it to their advantage and ours, and are they settling?"

The study is one of two Massey projects which received funding this year from the Foundation for Research, Science and Technology.

Other Massey staff on the immigrant research project include Associate Professor Robin Peace and Dr Avril Bell from the School of People, Environment and Planning.

A major Massey-led study is to investigate why immigrants to New Zealand are not finding work that utilises their skill and expertise, once in the country.

Fulbright New Zealand Graduate Student Awards
– closing 1 August 2007

Fulbright-EQC Award in Natural Disaster Research
– closing 1 August 2007

Rhodes Scholarship
– closing 1 August 2007

Woolf Fisher Scholarships
– closing 1 August 2007

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

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

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

New homestay hosts needed to meet the needs of increasing numbers of Muslim students studying at Massey.

Over the next few months the University at each campus is expecting short course groups of students from Qatar (23rd July to 31 August) and an increasing number of students from the Middle East who are coming to study English prior to commencing full time undergraduate or post-graduate studies at the University. These students, who are practising Muslims, will value learning about New Zealand culture and the experience of living with a New Zealand family as family plays a very important role in everyday Muslim life. We are seeking to build up our database at each campus of homestay hosts throughout the University who can cater to the needs of our Muslim students.

Can You Help Us?

If you, or a family friend or relative, would be

interested in hosting a short course group student from Qatar or a long term Muslim student in the future then please contact the following Homestay Accommodation Advisors at each campus for further information.

Palmerston North

Lesley McDonald on L.F.McDonald@massey.ac.nz <mailto:L.F.McDonald@massey.ac.nz> or telephone 06 356 9099 ext 8525

Auckland

Margaret Czurajewski on M.L.Czurajewski@massey.ac.nz or telephone 09 414 0800 extn 9844

Wellington

Diana Grime on D.Grime@massey.ac.nz or telephone 04 801 5799 ext 6821 or mobile 027 2897355

Changes to Info Systems teaching and research

The teaching and research activities of the Department of Information Systems have been transferred to other departments in the University.

The College of Business is working with students individually to ensure they can complete and graduate in their chosen programmes and majors.

Some papers scheduled for on-campus, lecture-based teaching next semester will now be taught extramurally, with weekly tutorial assistance on-campus.

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@Massey

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.

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For paid advertisement enquiries, contact the editor.

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@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.

To subscribe visit:

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Matariki heralds a return to tradition

Matariki heralded a return to tradition for the School of Māori Studies as staff celebrated the Māori new year with a dinner and a lecture for local secondary schools on 22 June.

Students from Hato Paora College, Turakina College and Monrad Intermediate School were among those who attended the lecture, the school's first formal celebration of the Maori new year for many years.

Dr Rangi Matamua, Tuhoë, who gave the Matariki lecture on the Palmerston North campus, said the event was part of a real renaissance of interest in Matariki. He said that although there are tribal differences in celebrations, the differences really didn't matter.

"What matters is that our tupuna really took note of their environment, they knew when the eels were running and they knew when the birds were fat... We have lost so much of that - our stars are on TV. It's Paris Hilton or Desperate Housewives - the stars don't seem to compete with the latest version of Play Station. We don't take note of what happens round us."



Matariki is the small and distinctive star cluster that disappears below the horizon in April, reappearing in the north-east of the pre-dawn sky in late May or early June. In ancient times Matariki arrived at the end of the harvest and was therefore a time of plenty. The event was considered so important that tribes would have a lookout watching for the rising, with preparation then taking place for the celebrations.

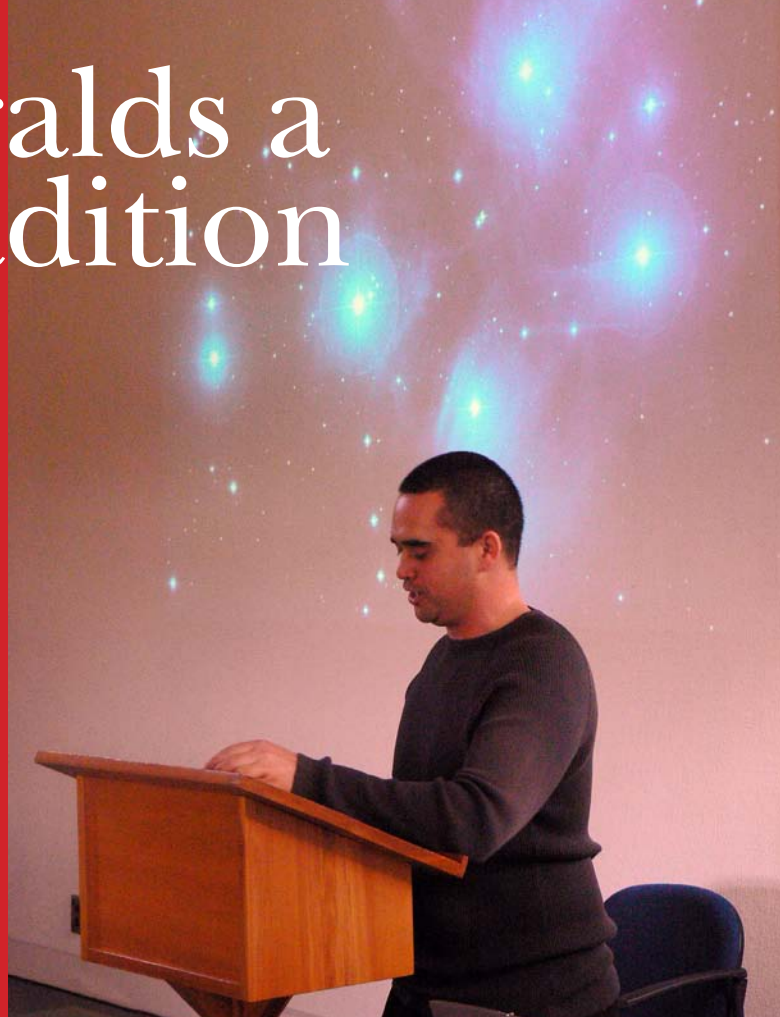
Most celebrations are held at the next new moon after Matariki has re-appeared. This year that took place on June 16.

"Matariki rises when food house is full," Dr Matamua said. "It is a sign for people to get together. They had heaps of food so they sat around singing songs, creating waiata, remembering the past and planning for the future. In today's society we have lost that, the most important thing that is driving us is money."

"Matariki comes up every year to remind us it's about each other."

The way Matariki looks at its reappearance is also significant: if the stars in the cluster are clear and bright it is thought the year will be productive and warm. If the stars appear shimmering and hazy, it is believed a cold winter is in store and activities such as preparation of the ground for crops must be carried out accordingly.

Astronomy was an exciting and deep science, Dr Matamua said. "Our tupuna knew this. The fact they had names for more than 400 stars, shows they had the depth of knowledge. They knew what happened in the stars affected us on earth."



Dr Rangi Matamua

Matariki can be translated in two ways: Mata Riki, tiny eyes, or Mata Ariki, the eyes of God. Either way the eyes are thought to watch over the land and its people. Matariki has the Greek name Pleiades, the flock of doves, and is part of the constellation of Taurus.

