



LOWERING EMISSIONS

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ROYAL VISIT

Spinal cord injury research drew a royal audience when Zara Phillips visited FMHS on Friday (12 June) to attend a talk arranged by the CatWalk Trust in the AMRF Student Learning Centre. Zara's royal patronage of the CatWalk Trust is helping the group fundraise towards on-going support of this spinal cord injury research. The Trust is the sole funder of the University's Spinal Cord Injury Research Facility. Professor Louise Nicholson and Dr Simon briefed the visitors on the research.

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JOURNEY OF LIFE

Associate Professor Lorri Santamaria was born in Seville in Spain. Her father was Creole from Louisiana and her mother was African American and American Indian (Choctaw). Growing up, Lorri was what she describes as an "Airforce brat". In 2012 she joined the University's Faculty of Education and Social Work and last year became Head of School in Learning, Development and Professional Practice. For the times in between read this month's "My story".

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TPPA AND THE UNIVERSITY

The Trans Pacific Partnership Agreement could have an impact on the operations of the University, particularly through its copyright provisions, which could increase costs, restrict access to information resources (including film and sound recordings) and make it difficult for Parliament to implement changes in this area in ways that would benefit the University. Melanie Johnson, the University's Copyright Officer, writes a Maramatanga on some of the possible impacts of the TPPA on tertiary education.

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ARTIST IN RESIDENCE

Renowned Australian artist, Associate Professor Kathy Temin, the Elam International Artist in Residence (seen here with Elam student Joseph Durana) is best known for her garden-like installations made from synthetic fur, which explore ideas about art history, memory and loss. She is being assisted by Elam staff and students to make and install large-scale artworks for an October exhibition at the Gus Fisher Gallery entitled “My Memorial: Black Wall and Oral Histories”.



BIRDFEEDING IN OUR BACKYARDS

Research from the School of Biological Sciences found backyard bird-feeding may benefit introduced species over native species. Backyard feeding was good for some birds, including the common sparrow and the spotted dove. But the native grey warbler (pictured) significantly decreased in abundance at feeding sites, with numbers dropping by more than half. Interest was strong around the world with coverage by the UK’s *Guardian*, ABC Australia, CBC in Canada and *Wired* in the US, and later a colourful spread in the June issue of *NZ Gardener*.



ARTISTS HELP NEPAL

Forty leading New Zealand artists’ works were auctioned at the Gus Fisher Gallery on 5 June to raise funds to rebuild schools and hospitals in Nepal’s Solu Khumbu region, which was devastated by the recent earthquakes. The evening, organised by the Himalayan Trust founded by Sir Edmund Hillary in 1960, raised \$69,775 to help recovery in the area. Vita Cochrane’s *My Darling Monkeys 2015* (pictured) was the prize in a draw for all those who registered to bid. The winner was Sarah Hillary, daughter of Sir Edmund.



WINTER LECTURES 2015

There are few events more fundamental to the shaping of the twentieth century or its collective memory than the First World War. In this six-lecture Winter Lecture Series, historians from the University and from around New Zealand will discuss the history and legacies of the First World War from a range of perspectives, highlighting how topical this “war to end all wars” remains today. The lectures will take place every Tuesday from 11 to 22 September (except 1 September). Each will be held from 1-2pm at the Maidment Theatre.



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COVER PHOTO: Some of the staff from the Faculty of Science who combined their knowledge and expertise to make a joint submission to the Government on climate change. From left to right, with their bicycles, which they use to travel to work, are Sandra Anderson (SBS), Jacqueline Beggs (SBS), Niki Harre, Georgianne Griffiths (Computer Science), Mary Sewell (SBS), and Brendon Brewer (Statistics).

Photo Richard Ng

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ROYAL AUDIENCE FOR SPINAL RESEARCH

Spinal cord injury research drew a royal audience when Zara Phillips visited the Faculty of Medical and Health Sciences on Friday (12 June) to attend a talk arranged by the CatWalk Trust in the AMRF Student Learning Centre.

Other visitors included the Minister of Health, the Hon Dr Jonathan Coleman, local MP and Minister of ACC Nikki Kaye, CatWalk Trust Founder, Catriona Williams, CatWalk Board members and a host of television, radio and print media.

Professor Louise Nicholson gave a brief introduction to spinal cord injuries and research, while Dr Simon O'Carroll outlined the detail of the world-leading research carried out at the Centre for Brain Research.

Zara's royal patronage of the CatWalk Trust is helping the group fundraise towards on-going support of this spinal cord injury research. The Trust is the sole funder of the University's Spinal Cord Injury Research Facility.

Professor Colin Green, Professor Nicholson and Dr O'Carroll's research involves the use of a small piece of a protein (a connexin peptide) applied directly to an injury site, or indirectly through the bloodstream.

The peptide reduces the swelling and



inflammation associated with spinal cord injury by up to 50 per cent. This can, in turn, limit secondary injuries like paralysis, caused by swelling in cases of spinal cord injury.

The research is not yet in clinical trials, but the CatWalk Trust hopes to fundraise to move it on to the next phase.

Zara Phillips (left) learns about advances in brain research from Professor Louise Nicholson along with Catriona Williams, Nikki Kaye, Dr Jonathan Coleman, and Holly Pretorius.

Photo Andrew Lau.

TERROR ATTACK THAT CHANGED NEW ZEALAND

It was an event that changed New Zealand for ever. On 10 July 1985 two bomb blasts ripped through the **Rainbow Warrior**, sinking the Greenpeace ship and killing crew member Fernando Pereira.

The images of the crippled **Rainbow Warrior** at Auckland's Marsden Wharf are still clear in people's minds. Now, 30 years after the terror attack, the University of Auckland is hosting a public lecture to discuss how the bombing impacted on the environmental movement.

Dr Ryan Tucker Jones, of the University's Faculty of Arts, along with Steve Abel of Greenpeace International, will be joined by Sue Taei of Conservation International and Alexander Gillespie, University of Waikato.

Under the title "Thirty Years after the Sinking of the Rainbow Warrior: The Past and Future of Pacific Environments and Environmentalism" they will assess:

- What is the meaning of the **Rainbow Warrior** in the history of Pacific environmentalism?
- How have Pacific environments rebounded or worsened in the last 30 years?



- How have the ecological challenges facing Pacific people changed since 1985?
 - What role can environmentalism play in the Pacific today?
- "When French terrorists bombed Greenpeace's **Rainbow Warrior** 30 years ago, they tried to smash the environmentalist movement's radical challenge to politics in the Pacific," Ryan says. "With this forum we want to keep going the conversation that Greenpeace started. Rather than ending the environmentalist movement, the

bombing of the **Rainbow Warrior** is still raising people's consciousness about environmental issues here in New Zealand and around the Pacific. It's a really wonderful legacy from a very tragic event."

The lecture is at 5pm on Friday 10 July at the Fale Pasifika on the University's City Campus.

For more information and a full abstract visit www.arts.auckland.ac.nz

RECOGNITION FROM EPSOM

Professor Louise Nicholson has been honoured with a Founders Award by Epsom Girls Grammar Old Girls Association.

This annual award also went to Rima Te Wiata (Dramatic Arts) and former University of Auckland lecturer, Dr Ngapare Hopa (Services to Māori and Māori Arts).

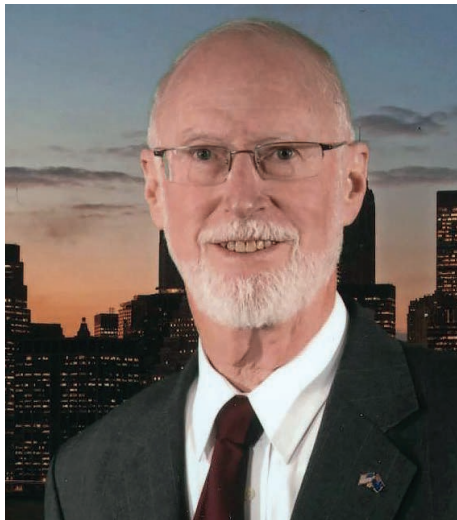
Launched in 1997, the Founders Award recognises former students who have demonstrated exceptional achievement or contributed significantly globally or nationally.

Louise's citation acknowledged her biomedical research particularly in neuroscience, her passion for education and science, and for getting young people engaged about learning. It was noted that she "loves to mentor graduate students who share her drive and desire to make a difference in people's lives."

Only a small number of the awards are given out. The Rt Hon Helen Clark was one of the first recipients.



FOUR DECADES OF CONTRIBUTIONS



Associate Professor Steve Hoadley has been made a Life Member of the New Zealand Institute of International Affairs.

The news was announced at the NZIAA Annual Dinner by its president and former Cabinet minister and Speaker of the House Sir Douglas Kidd. Steve says the award is gratifying recognition of his 40 years of service to the organisation.

"The award of life membership by any organisation is earned by years of meritorious service. I have contributed to the Institute of International Affairs' activities and publications for four decades, so I am very pleased to be recognised as one of the Institute's valued

patriarchs," says Steve.

Despite that, he says the award came out of the blue. Being based in Auckland means he is not in regular contact with the institute's National Council members because they are based in Wellington.

Steve first became interested in politics when he visited Far East ports during his US Navy service in the late 1960s, during the Cold War.

"Having visited many navy ports and seen the warships of many states, I became intrigued with the geo-politics of that dynamic region. I still am."

At the University Steve lectures on New Zealand Diplomacy, European and American Foreign Policies, and Economic Statecraft, and directs the degree of Master of Professional Studies in International Relations and Human Rights. He regularly lectures on foreign affairs at the New Zealand Defence Force Command and Staff College, where he is Honorary Professor, and at courses for the Royal New Zealand Navy in which he is an Honorary Captain.

Given our rapidly changing world and his history it's no surprise Steve recommends university study of international affairs: "The best way to understand the world," he says, "is to enrol in Politics and International Relations courses at the University of Auckland."

STAFF SURVEY RESULTS

A record number of staff – 68 percent – took part in the Staff Survey for 2015. You are now invited to hear the Vice-Chancellor, Professor Stuart McCutcheon, as he presents the results of the survey, reflecting on what you had to say about your experience of working at the University. The presentation will cover the 2015 results, will offer comparisons with benchmark institutions, and will reflect on trends over the eight years that the University has been conducting the survey.

Three presentations will be on 16 July.

Newmarket Campus: 12-12.55pm,

Reception area.

Grafton Campus : 1.10-2pm, H&MS Building,

Lecture Theatre 505-007 (Ground floor).

Epsom Campus: 2.30-3.30pm, J Block,

Lecture Theatre 6EJ-101 (Level 1)

A further two presentations will be on 17 July.

City Campus: 12-12.55pm, Fisher and

Paykel Auditorium 260-115

Tāmaki Campus : 1.30-2.25pm,

Lecture Theatre 722-201 (Level 2).

ASIAN EXCHANGES

Twenty-one students from the University have secured \$132,263 towards exchange and study programmes in Asian nations, in the latest round of Prime Minister's Scholarships for Asia (PMSA). The University of Auckland received the largest share of funding both for individual student applications and for group applications. Overall, 140 awardees received over \$850,000 in this round. Funded by the New Zealand government, the programme gives students the opportunity to experience life in a different culture. It aims to improve the internationalisation of tertiary intuitions and the international skills of the New Zealand workforce.

WOMAN BEHIND TIME

Nancy Gibbs, Managing Editor of *Time* magazine, will be visiting New Zealand briefly this month as a guest of Fulbright NZ, and will be giving a lecture at the University of Auckland. The lecture will take place on 30 July from 5-7.30pm at the Library Lecture Theatre 109-B10. Nancy Gibbs is an American essayist, political commentator and best-selling author. She has co-authored, with Michael Duffy, *The Preacher and the Presidents: Billy Graham in the White House*, and *The Presidents' Club: Inside the World's Most Exclusive Fraternity*. Nancy Gibbs will also be delivering a lecture in Wellington.

SCIENCE STAFF SPEAK OUT ON CLIMATE CHANGE

Targets for climate change should be set by what must be done, not what can be done.

That is the message of 25 staff members from the Faculty of Science who combined their specialised knowledge and experience to produce a submission to the Government on climate change.

The joint submission was made in response to the Government's "Intended National Determined Contribution (INDC)", or climate change target, ahead of global December talks in Paris that aim to set new emissions reduction goals post-2020. Public submissions closed early in June.

The invitation for submissions came at a fortuitous time for the Faculty of Science. Just a few weeks before, at the beginning of March, the faculty had appointed Associate Professor Niki Harre from Psychology as its first Associate Dean, Sustainability.

Niki was already putting together a network of faculty staff with interests in sustainability; the task of writing a joint submission gave them an immediate reason to work together, focusing on a common aim.

After organising meetings to formulate content, Niki wrote a document based on the discussion, which those who had been present then had the opportunity to edit. Staff who had been unable to attend a meeting also had the chance to read the paper and contribute to it.

The joint submission stated that "New Zealand should be heading as rapidly as possible towards a low emissions world, which will involve a fundamental reconsideration of our current economic, technological and social structures."

Speed of change was seen as essential: "... the planet will warm (or not) because of our actions and it will not wait for us to transition in a non-urgent fashion that preserves all aspects of 'business as usual', however desirable a slow transition might seem. The absolute minimum target we should set is that required on a per capita basis to have a reasonable chance of avoiding warming greater than 2 degrees C."

In relation to farming, the call was for more considered dairying and a more varied agricultural sector. "Not only would this improve our emissions profile, it would also decrease the vulnerability resulting from heavy dependence on a small number of industries."

Emphasising that "the biggest emitters must make the biggest changes and bear the greater costs", the submission asserted that "the costs of runaway climate change are astronomically larger than the relatively small costs of taking ambitious action now" and that "technologies for

reducing emissions and for creating sustainable systems of transport are already available".

"We should not rely on unknown technologies in setting our target or in deciding how to manage ourselves in the face of it. We should make our plans around known technologies – of which there are many – and put considerable effort into discussions about how various communities and sectors can contribute.

"Businesses should be involved in these discussions as they can be leaders in new, sustainable innovations and will no doubt rise to the challenge of supporting New Zealand's identity as a leader in this field."

Niki sees it as a great advantage that the faculty has expertise in both the social and natural sciences. "It gives a great opportunity to look from both sides at sustainability issues. That's reflected in our submission."

People drew on their own areas of expertise to write different parts of the submission. "There was really no disagreement among us. We assumed that we were on the same side as the Government – that we all want a New Zealand we can be proud of – that cares for people and the planet."

However, she acknowledges that it was at times hard to grapple with the questions – "because they were not the ones that we would be asking." An example was the presupposition that "costs would dictate actions and would have to be balanced against them".

"We were coming from the standpoint that it was necessary to take action whatever the cost. Would you be worrying about the cost of a child's education if the child was in a house that was burning down?"

Niki is immensely pleased to have been appointed to the new position.

"I think the University of Auckland is a major institution, and the Faculty of Science is our biggest faculty. We can have a really significant



influence on the directions of change. It's not easy but it's possible. We don't have to be passive. We can help shape a healthy future for our country."

The submission was written by the following members of the Faculty of Science: Associate Professor Niki Harre, Dr Helen Madden, Associate Professor Mary Sewell, Associate Professor Quentin Atkinson, Dr Alex Taylor, Mr Blair Sowman, Gaby Free, Dr Anna Santure, Sandra Anderson, Angie Chin, Associate Professor Mark Costello, Dr Margaret Stanley, Dr Brendon Brewer, Dr Georgianne Griffiths, Dr James Russell, Associate Professor Virginia Braun, Sue O'Shea, Professor Robin Kearns, Dr Mark Holmes, Dr Elizabeth Peterson, Professor Penny Brothers, Dr Cate Macinnis-Ng, Dr Jade Le Grice, Kelly Booth, Associate Professor Jacqueline Beggs.

Left to right in the cover photo are Sandra Anderson (SBS), Jacqueline Beggs (SBS), Niki Harre, Georgianne Griffiths (Computer Science), Mary Sewell (SBS), Brendon Brewer (Statistics). Left to right in the photo on this page are Niki Harre, Cate Macinnis-Ng (SBS), Quentin Atkinson (Psychology). All are contributors to the study and are users of sustainable transport, as shown

MY STORY

STAFF QUESTIONS AND ANSWERS



LORRI SANTAMARIA

Associate Professor Lorri Santamaria was born in Seville, Spain. Her father was Creole and her mother African American and American Indian (Choctaw); both were from Louisiana. Lorri grew up as an “Airforce brat” - her father was in the Airforce and the family moved to Spain and around the US until Lorri was in high school when they settled in Cerritos, California.

Lorri studied advertising with a humanities core at the University of California, Irvine. She then completed a BA with a teaching credential, and a masters and PhD in Bilingual Special Education Rehabilitation and School Psychology from the University of Arizona. Her PhD seeded an enduring interest in “how folks from systematically under-privileged backgrounds make it in education and how we can make education better for them. From my own experience, I realised education was a game-changer,” she says.

She later became a full professor at California State University San Marcos and Director for the Joint Doctoral Program in Educational Leadership (with UC San Diego). In 2012 she joined Auckland’s Faculty of Education and moved here with her husband and two children. Last year she became Associate Dean Postgraduate Programmes for the Faculty of Education and Social Work and this year became Head of School, Learning Development and Professional Practice.

WHAT DID YOU ENJOY DOING WHEN YOU WERE A CHILD?

I grew up in Spain and America. When I was four my mother was so concerned about my English

language development that she arranged for me to go to Dunbar high school in Texas. I was four and I was the home coming queen! The school had a huge impact on me. I spoke black vernacular English, a very different English from that which my family spoke. I came out with a deep appreciation of education..

As a child I read a lot, upside down on the couch. All of the classics. *Alice in Wonderland*, *Anne of Green Gables*, Mark Twain..... I also did gymnastics and danced.

Later in high school I joined a marching band, ran track, and joined the cheerleaders. I was the student class president and then I was the associate student body president as a senior. I excelled academically and socially in high school.

TELL US ABOUT YOUR FIRST JOB EVER

Scoping ice-cream for Baskin’s Robbins Thirty One flavours – a famous ice cream franchise in the US. I was 16 years old and the store was in Cerritos across from my high school. But actually I was fired for giving ice-cream away to the football team...an extra scoop or something. The owners were parked across the street so they saw it happening. It was a good time for me to learn a lesson like that. After that the next job I had was probably in retail work but I did volunteer work first. I had to redeem myself (laughs).

CAN YOU TELL US ABOUT YOUR BEST TEACHER?

My best teacher was Senorita Martinez in 5th grade in Spain. For my tenth birthday she took us on an overnight trip to Barcelona. It was the first time away from my family. She said “you need to learn how to be on your own away from your parents”. My parents didn’t want to sign the permission slip but I said: “No, Miss Martinez believes in me. She believes I am strong and can do this.” Miss Martinez saw something in me that I didn’t see. We stayed in a hotel. At midnight we went down dark steps into a dark nightclub and saw an authentic flamenco show. It was glorious. To be right there with the clapping and the guitars and the flamenco dancers. One of the dancers pulled me on to the floor. That experience fuelled my passion and desire around arts and dance and music. It’s still with me. When I got into California universities I sought out the “Miss Martinez’s”. Who is the person doing what I want to do? Even here in Aotearoa I have looked and found those people. Here for example is Distinguished Professor Viviane Robinson, who I look to for leadership guidance. I see my appointment as an academic head as a chance to do what Miss Martinez did for me. I see leadership as service and I find the role exhilarating. I really love and enjoy serving

people. I appreciate the privilege and experience of sitting with academic staff to map out their research and career trajectories. I love uplifting professional and academic staff to be the best they can be.

IN JUST ONE SENTENCE DESCRIBE THE PURPOSE OF YOUR PRESENT POSITION.

To investigate, teach about and serve the communities here around the notion of what leadership for diversity means here and in relation to the rest of the world. What is leadership for social justice in a multicultural society? How can leadership from this perspective benefit education and achievement and academic improvement for Aotearoa, New Zealand – in terms of success for the whole person?

WHAT DO YOU LOVE ABOUT THE JOB?

I love that I get paid to feed my curiosity while serving others.

DO YOU BELIEVE THAT WHAT YOU DO CHANGES PEOPLE’S LIVES?

Absolutely, both individually and corporately, because I am helping people to better and improve themselves in a society. Individually when I teach a student, then when I supervise a group of students, when I teach a whole group on a course and then across the University; it’s like a nesting dolls effect or ripples in a lake.

WHAT HAVE YOU ACHIEVED THAT YOU ARE VERY PLEASED ABOUT?

Having a positive impact on others and an influence on education in the world. I influence education in my leadership work, teaching, contributing new knowledge through research



DID YOU KNOW?

and I leave a legacy with the books I have published. One is *Applied Critical Leadership in Education*. The other, *Cross-Cultural Women Scholars in Academe*, has to do with the ways we can sustain ourselves and grow in an academic environment while celebrating our wisdom. I value this deep spiritual wisdom that my mother, my grandmother, and all of my relatives passed down, though they didn't have a college or in some cases primary or secondary education.

WHAT DO YOU ENJOY DOING WHEN YOU'RE NOT WORKING?

Dancing, listening to music and cooking. As long as I am feeding people I am very happy. I do regions: Spanish tortilla, all the tapas. And I do a Louisiana bayou thing – shrimp creole or gumbo (a family favourite). I can source all the ingredients here... I can also cook Mexican food quite well (according to the crowd).

In order to sustain the volume of work I have as a researcher and as an academic head, I have to offset it with taking walks, being mindful, cooking, writing. These are my creative outlets. I am very physically active. I think in terms of mind, body, spirit, always. I start most work meetings with wisdom, worldly wisdom. A quote from Rumi or Thích Nhất Hạnh. I've even used an Irish blessing. I like to ground my meetings like this and feel I have the freedom and blessing to do so here in Aotearoa.

Photo far left: Lorri Santamaria

Photo lower left: Lorri at four years old on the campus of Dunbar High School in Dallas-Fortworth, Texas

... the building now called University House, on the corner of Princes Street and Bowen Avenue, has played a vibrant role in Auckland's history.

University House, one of Auckland's most gracious historic buildings, completed in 1885, was the spiritual home of the Jewish people until the late 1960s. The former synagogue is one of the earliest examples of concrete construction in Auckland, incorporating a blend of Western motifs such as Romanesque arches with features originating in the Middle East.

The Jewish community of Auckland has had a strong influence throughout the city's history, with the first Jewish religious services held in Auckland in the 1840s, first in the houses of members of the community and later (from 1855) in a wooden building in Emily Place, which remained the synagogue until 1884.

Architect Edward Bartley, commissioned to design a new synagogue in Princes Street, based his design on the beautiful and recently opened Garnet Hill Synagogue in Glasgow. The plans were approved by the Jewish congregation late in 1884, and the tender notice (according to the 1 March 1985 newsletter of the Auckland Regional Committee of the New Zealand Historic Places Trust) announced that: "The Synagogue will be constructed of brick in the Romanesque style, with a touch of Gothic in the ornamentation."

The building has a magnificent barrel-vaulted ceiling, with its interior featuring decorative glass and fine plaster work. The external view from Bowen Avenue shows a dramatic stairway leading to the side of the building, deep doorway recesses and Moorish arches.

The Princes Street Synagogue served the Jewish community well until its resources



were stretched by an increase in the post-war population, leading to a plan to expand the accommodation. Permission was denied by Auckland City Council on grounds that the land was needed for a motorway access. A large new site on Greys Avenue was acquired for a new synagogue. The motorway development did not go ahead, and the former synagogue was later sold to the National Bank, whose refurbishment of the building for its new purpose won it the New Zealand Institute of Architects' National Award in 1990. The University branch of the National Bank, now in the Student Commons, occupied the building until the University took it over in 2003. It is now the home of Alumni Relations and Development

The information in this story was taken from "The University of Auckland News", Vol 33, issue 10, November 2003

WHAT'S ON CAMPUS

MAGNA CARTA

6,7,8,9 AND 10 JULY, 6.45-8PM

Lecture Theatre OGGB4
Owen G Glenn Building

A University of Auckland public lecture series, hosted by Politics and International Relations, School of Social Sciences, examines the 800-year legacy of the Magna Carta from a number of different perspectives: its roles in the New Zealand constitutional tradition, its connections with the Treaty of Waitangi, the relationship of its principles to digital privacy and security, how its principles can inform our understanding and practices in relation to refugees, and how it informs our expectations of the future.

MONARCHY SCRUTINISED

27, 29 and 31 JULY and 3 AUGUST 2015

VENUE: TBA

The British monarchy will come under scrutiny at this year's Sir Douglas Robb Lectures, to be presented by British historian Sir David Nicholas Cannadine and Professor Linda Colley, an historian who specialises in Britain, empire and nationalism. Both are professors at Princeton University. Sir David is a notable commentator and broadcaster on British public life. Professor Colley has held chairs in history at Yale University and the London School of Economics, and was the first woman fellow at Christ's College, Cambridge.

ETHICS OF CCC

30 JULY, 5.30PM

Lecture Room OGGB4
Owen G Glenn Building

Climate change communication (CCC) addresses the gap between scientific knowledge of climate change and public motivation to respond to it. In this year's Hood Lecture Melissa Lane, class of 1943 Professor of Politics at Princeton University, will discuss insights from Aristotle's *Rhetoric* that can help climate scientists to communicate both ethically and effectively, and will illuminate the relationship between expertise and democracy.

TIME SHARE FOR THREATENED BATS



Faculty of Science Kaiārahi Michael Steedman welcomes Dr Kumea Shorter-Gooden at Waipapa Marae

It seems that attracting a female is a challenge for New Zealand’s lesser short-tailed bat (*Mystacina tuberculata*), but pungent aftershave and an excellent singing voice will increase the chance of success - as long as the flatmates don’t come home early.

Research into the New Zealand’s lesser short-tailed bat gives remarkable new insights into the bats’ mating behaviour. The bats are one of only two land mammals endemic to New Zealand and are a threatened species.

Over a three-year period at Pureora Forest in the central North Island, a population of more than 700 *Mystacina tuberculata* were studied using microchip technology along with infrared cameras.

The research, by doctoral student Cory Toth from the School of Biological Sciences, confirms the species as one of only two bats in the world to use lek breeding, a mating system whereby males aggregate close to groups of females and produce sexual displays in order to attract a mate.

“In more than 40 years of research, *Mystacina tuberculata* are only the second bat species anywhere in the world discovered to use lek-breeding, it’s a relatively rare behaviour in mammals,” Cory says.

A single male lesser short-tailed bat takes up residence in a tree cavity at night and sings to attract females travelling to and from nearby communal roosts. Males not only sing but cover themselves in their own urine to add to their attractions.

The big surprise of the research is that solo-occupied tree cavities within the male singing

roosts are used on a “timeshare” basis, with multiple males sharing a single cavity – on a strictly one-at-a-time basis.

“The roost-sharing by males was a complete surprise,” Mr Toth says. “Up to five males take turns occupying a single roost but if another male arrives while one is already in residence, a fight will ensue.”

Lek-breeding in mammal or bird species is thought to occur when males cannot monopolise females and so resort to producing sexual displays near groups of females, even though this potentially increases competition.

Mystacina tuberculata is only the second bat species in the world where lek breeding has been confirmed – lek breeding in bats was first

discovered in 1977 in a large fruit bat species in equatorial Africa.

As well as being important seed dispersers and pollinators in New Zealand old-growth forests, the short-tailed bats’ threatened status gives new research an added importance, Cory says.

“While we have confirmed lek-breeding in the lesser short-tailed bat, we need to carry out more work to investigate the roost-sharing by males and other breeding behaviour such as which males receive matings and why,” Cory says.

The research was published in *Behavioural Ecology*.



HAPPY DAYS

“It’s happy days down at the hospice!” So said Radio NZ’s health correspondent, Gareth Thomas on Budget night last May, referring to an additional \$76 million earmarked for palliative care of terminally ill patients.

If I had heard Gareth Thomas say that just a week earlier I would have thought his words curious; even, crass. Happy hospices? Hey, people are dying in those places!

But, luckily, the previous Saturday at the Auckland Writers’ Festival I had crammed into a sold-out Aotea Centre to listen to the remarkable Atul Gawande – surgeon, Harvard professor, New Yorker writer and health researcher. Gawande shared his personal epiphany about people who know they are going to die quite soon: it’s not the quantity, it’s the quality of remaining life that usually matters most to them. How did he find this out? He deployed a “special technical research tool”: he asked them what they would really like to be able to do in their last days, weeks or months, even if this meant possibly fewer of those days alive on earth.

Some would like to have a cocktail every night, even if “bad for their health”. Gawande’s own father, dying of brain stem cancer, asked for dinner with his family, at home, once a week.

Gawande told us about a study of terminally ill lung cancer patients, some who weren’t given this sort of palliative care and some who were. The latter group, on average, chose to receive less life-prolonging but deeply unpleasant chemotherapy treatment. And then what happened? This group actually ended up living longer than the others! I suppose this does make sense: happier people tending to live longer.

As an economist, I have been thinking about how the quality vs quantity issue might apply to the lives of the living as well as the dying. In the economy, the equivalent of human lifespan is something called Gross Domestic Product, or GDP – basically, a measure of the total quantity of stuff produced in a year. Economists are quite careful about the dangers of making too much of GDP: politicians, unfortunately, are not. Indeed, they are obsessed by GDP – specifically, in its “growth” from year to year, which has become the holy grail of economic policy.

The commercial mind-set that measures wellbeing in terms of monetary GDP can be insidious. Even the welcome focus in the Budget on reducing child poverty gets justified (by some) as an “investment” in more reliable future workers. But we shouldn’t be justifying tackling child poverty because we want to make sure they will pay for our pensions when they grow up. We should look after the children because we love them and because it is our duty – that’s where the quality of life is.



Most of the increases in GDP over the past 20 years have not gone to wage-earners (which is actually a big part of the explanation for child poverty), but have been siphoned off by the overseas owners of our banks and into increases in top pay. Is that a good outcome? A rich country that doesn’t pay all its workers at least a decent living wage is not a quality country, in my book. New Zealand shamefully dodges its moral obligation to at least do share in the global battle against climate change, and turns a tolerant eye to the environmental damage being done to our own waterways – all in the cause of “competitiveness” in the name of economic growth. Is this how quality people behave – exploiting the commons now at the expense of future generations’ wellbeing?

I’d like to see us focus directly on the quality of our lives together as parents, children, workers, entrepreneurs, capitalists, citizens. If we want to target outcomes, make sure they are quality outcomes, not the crude quantity measure that is GDP.

New Zealand could become a world-leader in paying less attention to GDP! We might even decide to stop bothering to measure it. It just upsets us and over-stimulates politicians.

But if we do measure GDP, we might find that – just as dying people may live longer when they have some decent quality of life – an economy in which the important quality issues are dealt with up front actually delivers on the quantity front as well.

■ Professor Tim Hazledine (Economics)

Highlighting some of the University’s news and commentary that have hit the headlines in the past month.

AVIAN CASSANOVAS

Biological Sciences Senior Lecturer Dr Anna Santure was part of a Zoological Society of London-led study on New Zealand’s threatened bird, hihi, or stitchbird. The research, which showed that males who sneakily father chicks with coupled-up females may be the key to saving the species through passing their genes onto the next generation, was covered by the *NZ Herald* complete with Emmerson cartoon.

ONGOING ATTENTION TO TPPA

Professor Jane Kelsey (Law) has continued to speak out about the proposed Trans-Pacific Partnership Agreement, saying the US pharmaceutical industry has its sights on Pharmac because it is a highly successful model for New Zealand and the industry does not want it replicated in countries such as Vietnam. Her comments have been widely reported by all media throughout New Zealand. See Maramatanga (page 12) for further University comment on the TPPA.

A UNIQUE GLOBAL RESOURCE

The creation of a DVD of digital storytelling by whānau about end-of-life care of their kaumōtua (with introduction and commentary) as a teaching resource for palliative care and student nurses has had excellent coverage throughout New Zealand. This included a Radio NZ interview of researcher Dr Tess Moeke-Maxwell (Nursing) on Nine to Noon this week. There has also been interest from Australia and the UK as it is a unique resource globally.

PROPORTION OF PEOPLE IN RESIDENTIAL CARE

Good coverage is ongoing for the story revealing that about half of all our aged population will die in residential care facilities from research by Senior Research Fellow Joanna Broad in Geriatric Medicine. This included interest from the Asian television company, *World TV* which broadcasts to more than 50,000 of the Asian community nationally on several channels. The story also featured twice on Radio NZ News.

FROM THE COLLECTION

ART COLLECTION



When American photographer John Fields immigrated to Auckland in 1966 he found the antipodean way of life culturally backward.

He recorded in his journal that “New Zealand is so far behind in what’s happening in the creative ‘art’ photography movement, they’ll never catch up to what’s happening in the USA or Europe”. The initial shock of such geographic displacement subsided for John and his wife

Patricia, however, once they discovered that their little rental flat in a rundown villa in Horoeoka Avenue was surrounded by what could now be described as Auckland’s artistic elite.

Mt Eden was relatively shabby in the 1960s and was home to many artists, writers, architects and academics that preferred to live

in the cheap, Victorian-era houses that still characterise the suburb. John Fields’ suite of black and white photographs currently on view at Gus Fisher Gallery depicts the interiors of these houses, whose owners became colleagues and close friends of the Fields. Dick Scott’s kitchen features a converted fireplace for the purposes of cellaring a depleted wine collection. Useful kitchen tools are displayed on the mantel piece

together with family photos and trinkets. The stark contrast between the cavernous black of the old fireplace and the pristine white surround is immediately arresting. Fields’ assured handling of light and dark, shadow and texture, creates a study in tonal variety and detail and we can almost make out the expressions of the girls in the photo to the right of the fireplace.

Fields joined the United States Navy after finishing school and trained to the level of First Gunner’s Mate with two fleets based in the Western Pacific and off the west coast of America. In 1959 Fields left the navy and married Patricia Hazelton, an Australian singer whom he had met during military assignments in Sydney. Throughout his childhood and naval career, Fields kept detailed journals on light and shadow, nature, photography, vision and society. Once he had left the navy he began to use these records to develop his photographic eye, eventually taking up a position as a photographer at Massachusetts General Hospital, where the noted English cell biologist Dr Stanley Bullivant (1923- 2006) was also employed. When Bullivant accepted a position at the University of Auckland’s Electron Microscopy Unit in the

WHAT’S COMING OUT

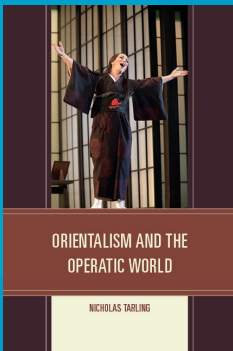
ORIENTALISM AND THE OPERATIC WORLD

Western opera is a globalized and globalising phenomenon and affords us a unique opportunity for exploring the concept of “orientalism,” the subject of Edward Said’s classic.

Emeritus Professor Nicholas Tarling’s

Orientalism and the Operatic World places opera in the context of its steady globalisation over the past two centuries.

In this important survey, published by Rowman and Littlefield, Nicholas first considers how the Orient appears on the operatic stage in Britain, France, Germany, Russia, and the United States before exploring individual operas, offering key insights into such notable works as Handel’s *Berenice*, Verdi’s *Aida*, Puccini’s *Madama Butterfly* and others. He argues that a close study of Western opera fails to support Said’s notion that Westerners inevitably



stereotyped, dehumanized, and sought only to dominate the East through art. Instead, he sees opera as a humanising art, emphasising what humans have in common by epic depictions of passion through song.

LOOK FOR THE LINKS

Many of the films in this year’s New Zealand International Film Festival, commencing in Auckland on 16 July, have links and connections with the University of Auckland’s Department of Media, Film and Television. On this page are two examples.

TOM WHO?

Tom Who? The Enigma of Tom Kreisler, a documentary which is to have its world premiere at the New Zealand International Film Festival, is directed by alumna Shirley Horrocks, who completed an MA at the University of Auckland. This film sheds new light on the life and art of a twentieth-century New Zealand painter with a strong affinity with Mexican traditions. Tom Kreisler (1938–2002) grew up in Argentina, the son of Austrian refugees, and was sent at age 13 to Christchurch, where he was adopted by an uncle and aunt. He left New Zealand and travelled the world before returning and studying



art. His life in New Zealand was spent mainly in New Plymouth, where he was an art teacher and gained a reputation as a party-loving bohemian, though few of his neighbours recognised his extraordinary prowess as an artist. In making the film, Shirley Horrocks spent time in Mexico, where she explored the culture which exerted a lifelong influence on Kreisler. Informants for the film included Kreisler’s family, curators and numerous artists.

EVER THE LAND

This documentary, directed by Sarah Grohnert, explores the sublime connection of the people of Ngai Tuhoe with their land through a sensitive exploration of an architectural undertaking, their creation of New Zealand’s first “living building”, Te Wharehou o Tūhoe.

The link with the University of Auckland is not

Department of Cell Biology, the Fields also transferred. John got a job as an electron microscope photographer in the cell biology section of the Department of Scientific and Industrial research. By day, he captured the building blocks of life with specialist cameras and by night and at weekends, the various kitchens, lounges and bedrooms of an ever-widening social circle.

The clearly rendered minutiae in each interior are testament to Field's scientific training as a photographer and also his use of photographer Laurence Aberhart's 10 x 8" plate camera. John Fields' keen documentary eye highlights the personal details therein: a doll's face, a half-drunk cup of tea, a collection of sea-shells, crumpled bed sheets; even the date of a *Listener* is clearly legible. These are portraits of people through their personal effects: a careful documentation of richly-lived existences where the individuals being recorded are mysteriously absent.

■ Alice Tyler

John Fields, Dick Scott's kitchen, 197???, 10 x 8 silver gelatin print.

only through the film's editor, Prisca Bouchet, a former student from the Department of Media, Film and Television, but also through the architect who designed the Tuho building, Ivan Mercep, who also designed the Art 1 and Arts 2 buildings at the University.



Made under strict sustainability certification as part of the internationally recognised Living Building Challenge, Te Wharehou o Tūhoe is both a mammoth undertaking to watch unfold and a potent symbol of the Ngāi Tūhoe philosophy. Set against ongoing negotiations with the Government, which culminated in an historic apology and settlement by the Crown, this film shows the resolute spirit of a people wounded by acts of injustice, who doggedly persist in preserving the integrity of their land, culture and community.

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MISCELLANEOUS

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TPPA AND ITS IMPACTS

What we know about the Trans Pacific Partnership Agreement (TPPA) is very limited.

Negotiations have taken place in secret. All we know is from leaked texts and from guarded stakeholder briefings by Ministry officials who warn that the decision will ultimately be made by the Minister, based on what is in “the national interest”.

However, the TPPA could have an impact on the operations of the University, particularly through its copyright provisions, which could increase costs, restrict access to information resources (including film and sound recordings) and make it difficult for Parliament to implement changes in this area in ways that would benefit the University.

The fact that the review of the Copyright Act has been delayed by the Government until such time as the TPPA is concluded confirms that we can expect changes in the Copyright Act – which creates great uncertainty as to what the copyright future holds.

This is of huge significance for the University, whose core function is to provide teaching and research that covers the broad spectrum of human endeavour. To this end, University staff create, copy, use, collect, store, curate, perform, analyse and record, and draw conclusions. In the process they both use and create intellectual property.

One of the things of which we can be assured, having observed the operation of the Free Trade Agreement with Australia, is that the US will be pushing New Zealand to extend the term of copyright to 70 years after the death of the person who created the material (as is the case in the US and Europe) rather than for 50 years beyond (as is the case in New Zealand and Canada). In relation to corporate-owned works (such as Mickey Mouse) this is likely to be pushed out to 95 years after creation or 120 years after publication.

The impact these changes would have on the University is difficult to predict but they could well result in the copyright costs to the University

rising by 25 percent: economist Professor Philippa Dee (for the Australian Productivity Commission) has noted that this would be the likely cost in net royalty payments of extending the term of copyright for Australian Consumers.

Another thing we do know is that extending the term of copyright to life plus 70 years will delay by 20 years the move into the public domain of a rich array of culturally significant New Zealand works which are due to come out of copyright over the next 30 years and would provide a rich resource for students. Emeritus Professor Roger Horrocks notes that it was only during the Depression and the Second World War that a critical mass of serious, thoughtful work in the visual arts and literature in New Zealand was reached. Extending the term of copyright will in effect lock up our cultural heritage for a further 20 years, with little or no benefit to rights owners.

Our students now have the freedom to use copyright-protected works for their own research and examination purposes through exceptions in our Copyright Act. For their next critical step of the venturing into the public arena, they also have the advantage of the life plus 50 years term of copyright. Extending the term of copyright would reduce the University performance groups’ ability to reach out into the community without paying costly public performance licensing fees, and would restrict the University’s rights to make its own extensive digital collections of film, photographs, literary works and sound recordings available to the public.

In addition, an increase in the complexity of copyright law could lead to uncertainty about what constitutes copyright infringement and would inhibit sharing in the public space.

Featured in the leaked drafts of the Intellectual Property chapter are all of the following: extending the term of copyright, increasing protection for digital locks (on use of material), criminalising downloading and sharing infringing content (even

when no commercial gain is involved), and placing restrictions on the ability of member countries to enact exceptions in order to support teaching and research (such as the “fair use” exception which is already established in the US and will continue to protect the interests of universities there).

The other difficulty is the Investor State provisions, which would enable multinational corporations to undermine public interest rules through an international tribunal process called Investor State Dispute Settlement (ISDS). Through the ISDS foreign companies could challenge any new law or Government action in a country that is signatory to the agreement on the basis of a claim that the law or action harms their present or future profits. This could inhibit New Zealand from adopting a new “fair use” type exception that may be needed to take advantage of emerging technologies in the educational sector – including the copying and reformatting of information for our e-lecterns and recorded lectures.

Universities, as defined in the Education Act, are required to meet international standards of teaching and research and to function as repositories of knowledge and expertise. The provisions of the TPPA in relation to copyright might well impact on our ability to match these standards.

■ **Melanie Johnson**
 Copyright Officer, Corporate Services
 Libraries and Learning Services