



## HOW WE ARE SEEN

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### NEXT YEAR'S FELLOWS

The latest Hood Fellowships have been awarded, allowing two of our own highly-respected academics to travel and consult with their peers around the world, while other distinguished scholars - one from Canada, one from the US and one from the UK - will visit the University and share their expertise with our students and staff. Former Vice-Chancellor Sir John Hood sent his congratulations to the recipients.

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### NEW WAY OF TWEEZING

University of Auckland researchers have demonstrated "temporal tweezing of light" for the first time, a breakthrough that may play a crucial role in the way data are processed over the internet in the future. The Laser Physics Group, which includes Dr Stuart Murdoch, Associate Professor Stéphane Coen, Dr Miro Erkintalo and PhD student Jae Jang, is behind this research which has been published in *Nature Communications*.

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### ATTITUDES REVEALED

The New Zealand Attitudes and Values study began in 2009. It currently has about 18,000 respondents and is doing remarkably well at retaining people over time (with retention rates of over 80 percent from year to year). It measures a broad range of different aspects of people's psychology, including health attitudes and self-reported behaviours. Associate Professor Chris Sibley from Psychology reports on some of its recent findings.

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## EMINENT VISITORS FROM THE COOK ISLANDS

Hon Henry Puna, Prime Minister of the Cook Islands, visited the University on 18 August with his wife Mrs Akaiti Puna and his official party to mark the 50th anniversary of self-government of the Cook Islands. After a powhiri at Waipapa Marae the Prime Minister and Associate Professor Yvonne Underhill-Sems met with Vice-Chancellor Professor Stuart McCutcheon (see photo right) before attending a programme at the Fale Pasifika which included an address by the Prime Minister and a panel discussion.



## FILM TO SHOW IN VENICE

A film by Dr Jake Mahaffy (Media, Film and Television) has been selected for the prestigious Venice Film Festival. The film, *Free in Deed*, was shot in February 2014 in Memphis, Tennessee, with actors David Harewood (of Showtime's *Homeland*) and Edwina Findley (of HBO's *The Wire*). Based on actual events, *Free in Deed* depicts one man's attempts to perform a miracle. The film will screen in the Orizzonti Section, for films representing the "latest aesthetic and expressive trends in international cinema".



## CLOSER TO HOME

The short film *Li Geng Xin* directed as part of his Master of Arts in Screen Production was selected for screening in the New Zealand International Film Festival. Produced by Tia Barrett (Ngāti Maniapoto, Ngāi Tahu), *Mrs Mokemoke* screened during the Ngā Whanaunga Māori Pasifika Shorts programme on 1 August in Auckland. An experimental film shot in black and white "silent movie" style, it depicts a triangular relationship: a Māori wife who adores an abusive Pākehā husband, and her father, who is suspicious and rejects his son-in-law.



## A NEW WAY OF INTERACTING WITH ART

Now on in one of three exhibition spaces at the Gus Fisher Gallery is a unique show that allows visitors not only to see artworks but also to experience a completely new way of interacting with visual art. This is the result of innovative work by cognitive neuroscientist Associate Professor Tony Lambert and art historian Greg Minissale, which involves recording the movements of people's eyes while they are looking at artworks. The exhibition includes large screens and video loops, eye tracking devices and artworks from the University collection.



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COVER PHOTO: A powerful triptych of Teina Pora: After 21 years in prison his convictions were set aside by the Privy Council because of the risk of a miscarriage of justice. It also decided that he should not be retried. Standing below the triptych at the opening of the exhibition *No Free Man: Let No One Deny Justice* are (left to right) Nigel Swinn, photographer for the exhibition; Associate Professor Linda Tyler, Director of the University's Centre for Art Research; Dr Erin Griffey, Head of Art History, and Professor David Williams (Faculty of Law).

Photo by James Hirata

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## HOOD FELLOWS FOR 2016



Richard Faull

The latest Hood Fellowships have been awarded, allowing two of our own highly-respected academics to travel and consult with their peers around the world, while three other distinguished scholars – one from Canada, one from the US and one from the UK – will visit the University of Auckland and share their expertise with students and staff.

**Distinguished Professor Richard Faull**

from the Department of Anatomy with Radiology and the Centre for Brain Research (CBR) has made huge contributions to the development of neuroscience in Auckland. As Director of the highly-collaborative cross-faculty CBR, Richard will use his fellowship to reflect on and review its administrative structure by visiting and consulting with four internationally-leading brain research centres in Boston, London and Oxford.

**Professor Bakh Khoussainov** from the Department of Computer Science is an expert in mathematical/theoretical aspects of computer science internationally and within New Zealand. His fellowship will help him to establish research collaborations with Japanese experts in computer science and logic, especially with experts in proof theory and algorithms, and also to strengthen current research collaborations with North American experts in computability and group theory.

**Professor Alan Kingstone** (Department of Psychology, University of British Columbia, Canada) is a leading figure globally in cognitive science, having conducted research on human cognition and behaviour in complex real world environments ranging from social attention and video game playing to behavioural sustainability.

He was nominated by Associate Professor Tony Lambert (Psychology).

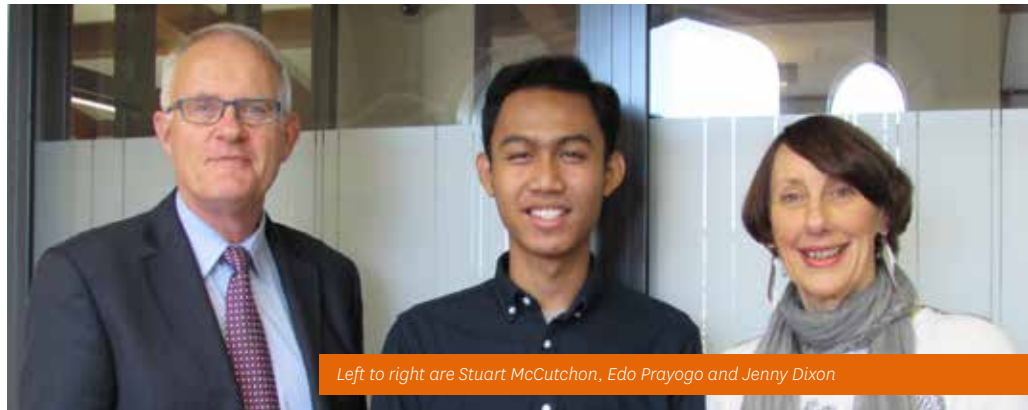
**Professor John McNeill** (History Department, Georgetown University, Washington) is a world-renowned global and environmental historian with connections to New Zealand. His public lecture will focus on the controversial idea of the Anthropocene, which represents historians' boldest attempt to enter into current debates about climate change and globalisation. He was nominated by Professor Jonathan Scott (History).

**Professor Geoff Bailey** (Department of Archaeology, University of York) is an archaeologist with an outstanding international research reputation. The aim of his fellowship is to help develop a worldwide approach to the study of Shell mounds - ancient settlements that occur in their tens of thousands around the world's coastlines. His visit will coincide with field classes based on the University's Great Mercury Island research where a number of early Māori coastal sites are being investigated. He was nominated by Professor Simon Holdaway (Anthropology).



Bakh Khoussainov

## UNEXPECTED JOURNEY



Left to right are Stuart McCutcheon, Edo Prayogo and Jenny Dixon

**Indonesian marketing and finance student Edo Prayogo never expected he would be spending his university holidays working in New Zealand on an all-expenses-paid internship.**

The opportunity came in the form of a competition run by Education New Zealand across Southeast Asia in May this year. Entrants had to be currently studying business at undergraduate level, and were asked to submit a marketing strategy to promote New Zealand as an education destination in their own country.

Edo was announced as one of five winners on 19 June, and boarded a plane to Auckland just two months later.

Hosted by the International Office for the duration of his four week internship, Edo has been working on projects with the International Marketing team and the Business School, and

has attended a Māori Studies class. He met with Vice-Chancellor Professor Stuart McCutcheon and Deputy Vice-Chancellor (Strategic Engagement) Professor Jenny Dixon to discuss the University's marketing strategy in Indonesia.

On weekends, Edo has made the most of his free time by visiting Rotorua, the Hobbiton movie set in Matamata and Waitomo Caves. At time of going to press he was planning to visit the snow and try skiing for the first time on a trip to Mt Ruapehu.

Edo will attend the New Zealand International Education Conference in Hamilton this month before returning to Indonesia at the end of his internship.

Read more about Edo's internship experience: Edo's blog: [www.prayogoedo.wordpress.com](http://www.prayogoedo.wordpress.com) Instagram: @prayogoedo

## MINISTER VISITS

The Honourable Jo Goodhew, Associate Minister of Primary Industries, visited with staff and students from NICA1 to see some of the innovative research being carried out at the faculty.

Hosted by Senior Lecturer John Chapman, School of Architecture and Planning, the Minister toured the facilities including the digital construction workshop. This was followed by a presentation of John's research into use of cross laminated timber (CLT) for constructing multi-level buildings. John is a registered engineer who lectures at the School of Architecture and Planning and is driving research in the field. He has developed a new type of structural system which enables construction of CLT-based buildings of up to and above 20 storeys tall.

An expanding area worldwide, CLT has many practical applications for New Zealand, particularly as timber is a renewable resource already grown here. As well as being sustainable, it also significantly increases the structural

integrity of buildings, making it ideal for use in earthquake areas.

There was a great deal of discussion with the Minister about CLT's future uses as well as the huge growth in technology currently taking place and the ways students were learning about and engaging with these advances.

Below: The Minister with John Chapman



## TEACHING TALENTS RECOGNISED

Three of our University's staff have received 2015 National Tertiary Teaching Excellence Awards.

Dr Elana Curtis from the Faculty of Medical and Health Sciences (FMHS) won an award in the Kaupapa Māori category while Dr Eleanor Hawe from the Faculty of Education and Social Work and Marie McEntee from the Faculty of Science won Sustained Excellence in Teaching General awards.

The University has now won 22 national Tertiary Teaching Excellence Awards with our teachers or teaching teams, winning an award in every year except one, since their inception in 2002.

Professor John Morrow, Deputy Vice-Chancellor (Academic) describes Elana, Eleanor and Marie as "outstanding teachers who bring a combination of inspiring delivery and research-based planning and development to their work." He says their teaching is warmly appreciated by their students and admired by their colleagues, and he is delighted that their sustained achievement has been recognised by peers from across the New Zealand tertiary sector.

For more information about the careers and achievements of these three outstanding teachers, see the News section of the Staff Intranet.



left to right are: Marie McEntee, Alana Curtis and Eleanor Hawe

## HONOURS FOR MATHEMATICIAN

Associate Professor Steven Galbraith (Mathematics) has been selected as the LMS-NZMS Aitken Lecturer for 2015 by the London Mathematical Society and the New Zealand Mathematical Society. The Aitken Lectureship occurs every two years (in odd-numbered years) when a mathematician from New Zealand is invited by both Societies to give lectures at different universities around the UK over a period of several weeks.

Steven Galbraith will be the third holder of the Aitken Lectureship. He will visit the UK in October 2015 and will give talks at the Royal Holloway, University of London; the Open University; and Oxford, Bristol, Loughborough and Sheffield Universities.

## WEAVING STRANDS

The place of therapeutic jurisprudence (TJ) in a variety of contexts will be debated at an international conference at the University on 3 September. Speakers and attendees from around the world will attend the fourth international TJ conference "Weaving Strands: Ngā Whenua Rāanga".

The theme signifies the unique interlacing of cultural, legal, psychological and social practice and philosophy in Aotearoa New Zealand with the international concept of therapeutic jurisprudence. International keynote speakers include Professors David Wexler (the architect of TJ), Michael Perlin and Ian Freckleton and, from New Zealand, Senior Lecturer Khylee Quince, Judge Lisa Tremewan and Professor Chris Marshall. Co-hosts are the Auckland Law School and the University's Centre for Mental Health Research with funding from the New Zealand Law Foundation and the Australian and New Zealand Association of Psychiatry, Psychology and Law. Local organisers are Katey Thom from the Centre for Mental Health Research and Professor Warren Brookbanks from the Faculty of Law, who will launch his book entitled *Therapeutic Jurisprudence: New Zealand Perspectives* at the conference.

## MAN BOOKER FINALIST

Anna Smill graduated with a masters degree in English literature from the University of Auckland. Her debut novel *The Chimes* has made the long list of 13 books in the running for the £50,000 (NZ\$117,000) Man Booker prize.

## LET NO-ONE DENY JUSTICE



### What is at the core of the principle of rule of law in New Zealand society?"

This was the question Dr Erin Griffey, Head of Art History, was impelled to address as she considered how best to create an exhibition of visual arts that would commemorate the 800th anniversary of the signing of the Magna Carta and would powerfully reflect the continuing relevance of this ancient document to New Zealand in the 21st century.

The answer she reached, after reflection and consultation with legal experts, was that it is prisoners who interact with the rule of law most profoundly and poignantly.

"They are the ones whose personal freedom is on the line," says Erin. "They are the ones who most deeply represent these principles of due process and justice because they are the ones who experience it most profoundly."

The outcome of Erin's research, thought and consultation is a powerful exhibition entitled *No Free Man: To No One Deny Justice*, which opened on 7 August and will remain on display at the University's Gus Fisher Gallery until 26 September. Curated by Erin, whose specialisation is portraiture, it comprises a series of newly-commissioned photographic portraits by Nigel Swinn, and represents a collaboration between three faculties – Arts, Law and Creative Arts and Industries – with cooperation also from the Department of Corrections.

The exhibition, says Erin, is about showing different perspectives on the rule of law and on human rights through the experience of "people who have been involved with the justice system, who have been incarcerated lawfully or unlawfully" and "people who are advocates for victims' rights". (Included are photos of current and recently-released prisoners, as well as familiar figures such as Louise Nicholas, pictured on this page, and Teina Pora, seen on the cover.)

The exhibition is essentially about portraiture

as a process of negotiation: "Traditionally portraiture has been associated with commemorating the great and the good, and those 'people of standing in their societies' have been the choreographers of their own images," Erin explains. "In contrast, the voices and faces of accused people are mediated by the legal system and through their legal representation, and in some cases by the media. And later, for those who go to prison, there is typically no voice and no access.

"So, I'm looking at these questions of voice and access. I'm also asking about the question of worthiness. With the prisoners I'm trying to say that these are human beings who should be treated with dignity, people who have legal rights."

Erin was delighted with the work of Nigel Swinn, whom she chose because "he is a successful international portrait photographer who has done a number of haunting and powerful close-up photographs.

"For this assignment, he was the one who went into the prisons – and he didn't just go in, have a ten-minute session, and leave. He spoke with his subjects, spent time with them, listened to their stories. The result is a series of photos with real integrity."

Speaking at the opening of the exhibition was Professor David Williams from the Faculty of Law, who has been invited to speak this year at a number of events held to commemorate the signing of the Magna Carta, both in New Zealand and in Britain.

"This exhibition invites us to go deeper," says David, "to reflect not [just] on the rhetoric of due process, free and fair trial, but on the reality of people's lives here in New Zealand, and in our prisons – to reflect on justice and injustice, on criminals and victims.

"No legal system is perfect. People are not

perfect. But miscarriages of justice are likely to occur more frequently if citizens do not care, if advocates for victims do not speak, if lawyers for prosecution and defence do not vigorously argue the merits of the evidence tendered to judges and juries.

"The portraits surrounding us will haunt you all as you leave this gallery, I hope, and will remind you to value the principles of justice and the rule of law."

Erin Griffey says the exhibition is an affirmation of the long-standing relationship Art History has had with Law, with many students completing conjoint degrees in the two disciplines. It is also an expression of her commitment to the value of working across faculties: Linda Tyler, Director of the Centre for Art Studies in NICA has been "unflaggingly supportive", she says.

The project has also provided an opportunity to extend the University's links with the wider society. There was a need to ensure that strict protocol was observed in any contact with prisoners, and the co-operation of the Department of Corrections was essential for this. Erin was impressed by the staff of the department, who, in her experience, were "vigilant, absolutely protective of human rights and genuinely committed to rehabilitation".

The University has bought a set of the photographs, which Erin is hoping will hang in the Faculty of Law. Another set is to be gifted to the Department of Corrections.

*Above is Louise Nicholas with her portrait at the opening of the exhibition.*

*Below: David Williams (left) converses with photographer Nigel Swinn in front of some of the moving and powerful portraits commissioned for the exhibition.*

*Photo by James Hirata*



# MY STORY

## STAFF QUESTIONS AND ANSWERS



### LYN COLLIE

Lyn Collie is Digital Media Producer in the Faculty of Business and Economics, with responsibility for media production and internal communications associated with learning and teaching. She is an alumna of the University of Auckland with an MPCA (Hons) in documentary directing and documentary writing.

#### WHERE WERE YOU BORN AND WHERE DID YOU GROW UP?

I was born in a tiny rural community called Isla Bank, a 30-minute drive from Invercargill. I grew up on a farm there with my parents and younger sister until we moved to Invercargill when I was about 12.

#### WHAT DID YOU LOVE DOING WHEN YOU WERE A CHILD?

I was a big reader as a kid and I really liked TV as well, though I wasn't very discerning. I remember I was keen on *What Now* and the *After School* show with Ozzie Olsen. I have to say that something I really didn't like was sport. Every other girl in the school played netball, but the only sport I could ever be persuaded into was cross-country running, though I did win the top place in the Southland and Westland Districts for gymnastics. I don't think I fitted in well at school in the early years. I was a brainy kid in a small country school: not an easy proposition for any child. (She smiles). I came into the true extroversion of my nature later.

#### WHAT DID YOU ENJOY LEARNING ABOUT AS A CHILD?

I found I could get interested in lots of things. I remember doing a school project on the Lippizzaner horses at the Spanish Riding School in Vienna, and another on the Bermuda triangle. Most of my investigations were prompted by the requirements of school and the access to resources. I liked to have the freedom to choose what I wanted to explore. (Another smile). I think I still do.

#### TELL US ABOUT YOUR FIRST JOB EVER?

My first job was packing cherries in Central Otago. I was the worst packer in the shed.

#### WHO WAS YOUR BEST TEACHER AND WHY?

It's hard to give just one answer to that because there were many teachers at all levels who were incredibly influential. But the one I'll pick is Olga Kirkland, my fifth form English teacher at Southland Girls' High School. She was the one responsible for buying the school prizes, and some of her choices really had an effect on my life.

I started a life-long interest in photography through a book she chose as a prize for me, *Marilyn Monroe: An Appreciation*, by the famous American photojournalist, Eve Arnold. This was a clever way of helping the medicine go down - I had only asked for something about Marilyn Monroe but what I got was something which not only taught me what I thought I wanted to know, but also a lot of extra things about telling visual stories and the relationship between the photographer and the subject. It gave me a sense of looking behind the scenes.

Another book she chose was *Restoration* by Rose Tremain, who is still my favourite author. That novel is still one of my all-time favourites. She also gave me feedback on my writing and sowed the seeds for a lot of creative pursuits that I've carried over to film-making.

I liked her because she was passionate and fearless and wasn't afraid of what people would think. I remember a time when she'd written some notices on the blackboard in our form room and part of them had rubbed off, leaving the word "twot", which had been gleefully reinforced by various students. With a surprising degree of appreciation for our adolescent humour she calmly corrected the spelling to "twat" and left it there. She would use any opportunity to teach and she absolutely accepted the terrain on which it had to occur.

#### IN JUST ONE SENTENCE DESCRIBE THE PURPOSE OF YOUR PRESENT POSITION?

I make digital media to support learning and teaching in the Business School. I also do communications for learning and teaching in the faculty.

#### WHAT DO YOU LOVE MOST ABOUT THE JOB?

I love that I'm supporting students' learning through the things that I do and the team I work with. Otherwise why are we here? I feel passionate about education. I'm happy that none of my days are the same, that I have a fair degree of freedom, that I have the chance to make things and send them out into the world.

#### DO YOU THINK WHAT YOU DO CHANGES PEOPLE'S LIVES?

Anyone who works in a university changes people's lives, directly or indirectly - because education changes people's lives. When you consider your own experience with teachers, you realise their impact is not just about the subject they teach but also about giving you an opportunity to discover more about yourself and your place in the world. It's about opening opportunities in your mind, giving you the chance to try out new ways of thinking.

#### IS THERE SOMETHING YOU'VE ACHIEVED THAT YOU FELT PARTICULARLY PROUD OF?

I'm proud of the first film I produced - *There Once Was an Island* - because it was such a huge undertaking. The logistics of shooting were very demanding because we were working on an isolated Pacific island (Takuu Atoll). There are very few people who understand what an achievement it was to get that film made. And I did it while working fulltime at the University. I'm also very proud of the latest film I worked on, *Crossing Rachmaninoff*, which was shown at the New Zealand International Film Festival last month. I didn't produce or direct it - those roles were ably filled by Rebecca Tansley, who invited me to assist. But it's a beautiful film and I'm proud to be involved with it.

#### WHAT DO YOU ENJOY DOING WHEN YOU ARE NOT WORKING?

Because I do films outside of my job, I work even when I'm not working. Though I'm also a very hands-on auntie - I have two nieces, two and four years old, that I visit three or four times a week. If I had more money I'd travel a lot more. On my ideal journey I'd be an old-school flaneur, roaming and observing in Paris or Las Vegas or anywhere, really.

# DID YOU KNOW

... that Special Collections in the General Library houses a key colonial archive on the Pacific region?

The Western Pacific Archives (WPA) contain the records of the British colonial administration in the Western Pacific from 1877-1978. This covers the Solomon Islands, Vanuatu, Tonga, Pitcairn, and Kiribati and Tuvalu, and was transferred from the UK in 2002.

Its historical and research significance was reflected in the UNESCO Memory of the World Regional Register for Asia/Pacific award which was presented to Special Collections in 2014.

“For us this was recognition of the great importance of the archive to the whole region, and justifies its return to the location where most research is likely to be undertaken,” says Special Collections Manager Stephen Innes.

Spanning more than 760 linear metres (about 2,800 archive boxes), the WPA was transferred to the University Library in 2002, following negotiations with the UK Foreign and Commonwealth Office, and with the consent of all interested governments in the region. It consists of the archives of the central administrative body, the Western Pacific High Commission (abbreviated as “WPHC”), alongside which are two collections of territorial records of the British Commissioner and Consul to Tonga (BCT) and the New Hebrides British Service (NHBS). Territorial records relating to the Solomon Islands and the Gilbert and Ellice Islands (now Kiribati and Tuvalu) were returned to their governments following independence in the 1970s, while the remainder of the records were sent to the UK Foreign and Commonwealth

Office in 1978. It would be nearly 25 years before they were returned to the Pacific.

Since the transfer in 2002, the WPA has attracted local and international researchers who have ranged across such diverse topics as the history of the Gilbert and Ellice Islands Colony, the interface between native medical practitioners and the colonial administration, German migrants in Tonga, the history of coastwatchers, children of servicemen in World War Two, and numerous family history projects.

“There is really no end to the ways in which researchers can explore this treasure trove,” says Stephen. This is evident in the range of theses, articles and books which keep being published. These reflect the depth and range of the records – anything from the development of health services, taxation, communications, land policy, and public works, not to mention the World Wars.”

Stephen will be presenting a paper on the WPA at the upcoming Archives and Records Association/PARBICA conference, which is to be held at the University in September. PARBICA is the Pacific Regional Branch of the International Council on Archives, and the conference will draw national archivists from around the region. Participants will also visit Special Collections to view the facilities and a display of some WPA material.

For more information on the Western Pacific Archives, see [Libraries and Learning Services](#)>[About us](#)>[Collections](#)>[Special collections](#)>[General Library Special Collections](#).



Preparation for a feast at Santa Anna. WPHC 10/XV/325/009. Western Pacific archives. 1875-1978. MSS & Archives 2003/1, Special Collections, University of Auckland Libraries and Learning Services.

## WHAT'S ON CAMPUS

### INAUGURAL ON STARPAT

10 SEPTEMBER, 6-7pm

Neon Foyer, Faculty of Engineering

Professor Cynthia (Cindi) Kiro will give her inaugural lecture on the Starpath Project, which has sought to improve the educational aspirations and achievements of secondary students from high-poverty communities in Auckland and Northland over the past ten years. The project has made a measureable difference in the educational achievements of many Māori and Pacific Island students and others from low decile secondary schools through an intensive whole school approach.

### WINTER LECTURES

8, 15, and 22 SEPTEMBER, 1-2pm

Maidment Theatre

Three of the series of six Winter Lectures are still to come. The fourth in the series, to be delivered by Professor Maartje Abbenhuis on 8 September, is on the topic of “Global war, global catastrophe: Why the First World War matters”. The next lecture, to be presented by Dr Deborah Montgomerie on 15 September is on “Memories of the fallen: Auckland University Role of Honour and twenty-first century commemorative projects”. The final in the series, by Dr Paul Taillon, is titled “The spirit of 1919: Labour, race and revolution”.

### SOUNDS CELESTIAL

30 September, 8-9.15pm

Auckland Town Hall (Free event)

This feast of music features Uwe Grodd, conductor; Natasha Wilson, soprano; Patricia Wright, soprano: the University of Auckland Chamber Choir; and the University of Auckland Symphony Orchestra. The programme includes Hamilton, *Dance-song to the Creator*; Villa-Lobos, *Bachianas Brasileiras No. 5*; and Mahler, *Symphony No.4*. Hosted by the School of Music it is presented with support from Auckland Philharmonia Orchestra and the Pettman National Junior Academy. All are welcome. Queries to [creative@auckland.ac.nz](mailto:creative@auckland.ac.nz)

# RESEARCH

## IN FOCUS

### MANGROVES MAY PROTECT AGAINST SEA LEVEL RISE

**New research shows mangrove forests could play a crucial role in protecting coastal areas from sea level rise caused by climate change.**

A joint study between Associate Professor Giovanni Coco from the University's School of Environment and colleagues at the Universities of Southampton (Dr Barend van Maanen) and Waikato (Dr Karin Bryan) used leading-

edge mathematical simulations to study how mangrove forests respond to elevated sea levels.

The new model incorporates biophysical interactions to study the formation of tidal channel networks, how these channels are modified by mangroves and how mangroves are in turn affected by channel evolution.

The researchers studied the evolution of the channels by using a hybrid model that connects biotic (mangroves) and abiotic (currents and transport of sediment) processes, to simulate

their interaction. In particular the research focused on how estuarine environments with and without mangroves responded to sea level rise.

The study also used longer timeframes than have ever before been incorporated into this type of modelling work, studying mangrove evolution for hundreds of years.

The research revealed that as a mangrove forest begins to develop, the creation of a network of channels is relatively fast. Over 160 years, tidal currents, sediment transport and mangroves significantly modify the estuarine environment, creating a dense channel network.

Within the mangrove forest, these channels become shallower through organic matter from the trees, reduced sediment resuspensions (caused by the mangroves) and sediment trapping (again caused by the mangroves) and the sea bed begins to rise, with bed elevation increasing a few millimetres per year until the area is no longer inundated by the tide.

In modelling of sea level rise in the study, the ability of mangrove forest to gradually create a buffer between sea and land occurs even when the area is subjected to potential sea level rises of up to 0.5mm per year.

Even after sea level rise, the mangroves showed an enhanced ability to maintain an elevation in the upper intertidal zone.



### TWEEZING LIGHT

**University of Auckland researchers have demonstrated "temporal tweezing of light" for the first time, a break-through that may play a crucial role in the way data are processed over the internet in the future.**

The Laser Physics Research Group, which includes Dr Stuart Murdoch, Associate Professor Stéphane Coen, Dr Miro Erkintalo and PhD student Jae Jang, is behind the research, which has been published in *Nature Communications*.

"We are pretty excited about these results and the huge range of possible applications the technique might have, especially in the context of next-generation optical communications," Miro Erkintalo says.

"Our ability to move pulses around in time means we can reconfigure an optical data signal without the need for power-hungry, electronic conversion, which is what happens now.

"And with the tremendous pace at which the amount of optical data is growing, faster and more energy-efficient data processing will be needed sooner rather than later."

The work was supported by funding from the Marsden Fund through the Royal Society of New Zealand. The funding was awarded in 2011.



Dr Rinki Murphy

### AUCKLANDERS NEEDED FOR DIABETES TRIAL

**Volunteers are needed to join eight others as some of the first patients to undergo a novel treatment for type2 diabetes.**

The COMPLEMENT trial is a first-in-human study of Metabolic Neuromodulation Therapy (MNT) and is being conducted exclusively in New Zealand.

Diabetes physician and University of Auckland senior lecturer, Dr Rinki Murphy, says MNT for type2 diabetes involves a single catheter-based procedure designed to change the nerve signals to the liver and other organs to improve blood sugars to more normal levels.

People aged 18-70 who have blood sugar (A1C) above 58 mmol/mol and are on an oral glucose lowering medicine called metformin are potential candidates for the trial. Interested people should contact one of the study coordinators at the centers listed below.

The COMPLEMENT Study is being led by expert endocrinologists and cardiologists: Dr Rinki Murphy and Professor Mark Webster at Auckland City Hospital, Dr Brandon Orr-Walker and Dr Wil Harrison at Middlemore Hospital, Professor Russell Scott and Dr James Blake at Christchurch Hospital, and Professor Patrick Manning and Professor Gerry Wilkins at Dunedin Hospital.

For more information contact study co-ordinator Jan Burd at Auckland City hospital on (09) 307 4949, extension 24365 or email JBurd@adhb.govt.nz.



## NZ ATTITUDES AND VALUES



**Are the values, personality and attitudes of New Zealanders changing over time? If they are, can we predict how our society, its attitudes and core values, might change in the coming years? For that matter, can we build models that predict why some people might be changing more than others?**

These goals are at the heart of the New Zealand Attitudes and Values Study (NZAVS), a large-scale national probability questionnaire study that has been following thousands of New Zealanders each year.

I began the study in 2009 and it is now entering its seventh year. The NZAVS currently has about 18,000 respondents, and is doing remarkably well at retaining people over time (with retention rates of over 80 percent from year-to-year). It measures a broad range of different aspects of people's psychology, including health attitudes and self-reported behaviours, beliefs about climate change and the environment, political attitudes, psychological health, economic values, narcissism, beliefs about gender roles, attitudes toward immigration and trade, experiences of cyberbullying, social media use—the list goes on. The study is a large collaborative effort between many researchers across different universities in New Zealand and around the world.

The NZAVS research team recently published their 75th paper, not bad going for a study that only started in 2009. So what is the team discovering?

Some of the most exciting work is from the graduate students who work on the project. To give just a few examples:

Nicole Satherley, a master's student, has been using NZAVS data to model changes in attitudes toward Asian peoples over time. The *NZ Herald* recently interviewed Nicole about her masters research, which indicates that warmth or positive feelings toward Asian peoples have been gradually and steadily increasing since 2009.

PhD student Lara Greaves recently led a

research project looking at recovery rates in psychological distress in the years following the Christchurch earthquakes. Her findings indicate that people who were living in the moderately damaged regions showed the slowest rate of recovery, relative to those who had been living in both the least and also the most damaged regions at the time of the earthquakes. She and co-author Associate Professor Mike Grimshaw from the University of Canterbury suggested that this might be due to a relative lack of closure or ongoing settlement processes experienced by people in the moderately damaged regions.

Petar Milojev, a PhD student working with the NZAVS, has recently published his findings assessing change and stability in personality over the lifespan. His work helps to answer some big questions in the field of personality research by mapping out how people change in traits like extraversion and openness to novelty over time. His research has helped to disentangle developmental change in personality from cohort effects, and shows that personality is fairly malleable among young adults, then stabilises and changes very little among in the 30s-50s, and then becomes more malleable again among older-aged persons.

I believe one of the best things about the study is just how many people from so many disciplines have got behind the project. It's a large collaborative project, and we have large-scale national probability data unlike anything else in New Zealand. The NZAVS is an important resource because it provides data on what is happening here, on the ground, in New Zealand. This is important because we are interested in testing theories and presenting research findings relevant to our own communities in this country. As the study continues, we become more able to answer really interesting questions about how New Zealanders are changing.

*Associate Professor Chris Sibley,  
Department of Psychology*

*UNINews* highlights some of the University research milestones that have hit the headlines in the past month.

### FOLLOWING THE SUN

Adjunct Professor Dr Arthur Grimes (Economics) received wide media coverage when he released results from a study showing that Tauranga and Whakatane are New Zealand's fastest-growing settlements over the past 80 years as a result of Kiwis following the sun to the country's sunniest places.

### HEARING LOSS

Dr Grant Searchfield (Audiology) and Dr Daniel Exeter (Epidemiology and Biostatistics) had good coverage from radio and television about their study that found the number of elderly New Zealanders with hearing loss is expected to double in the next 50 years.

### PROSTATE CANCER

Research Fellow Dr Karen Bishop has had immediate and ongoing media interest from her research news on the benefit of a Mediterranean style diet for men with prostate cancer. This was on NZ news website, Stuff online, and was followed up by the *NZ Herald*, Chinese news agencies, and Radio New Zealand (*Morning Report*).

### FOCUS ON BATS

The mating behaviour of the male lesser short-tailed bat continued to attract attention, the latest being coverage on CBC Radio, Canada, which featured the item on its *Quirks and Quarks* programme. The males sing, use the same tree cavities on a timeshare basis and cover themselves in urine to make themselves irresistible to the females of the species.

### MAKING A SPLASH

The Kiwi-built, human-powered submarine, *Taniwha*, created by researchers and staff from the Auckland Bioengineering Institute, featured in last month's *Uninews* when it made a splash at the 12th International Submarine Races in Maryland in the USA. The feat was profiled in the *NZ Herald*, which also posted video footage of the submarine in action.

### MEDIA QUERIES

Among enquiries received by the University's Media Liaison Team were questions related to road rage, youth justice, the future of Hoto Petera College, a visit by Zara Phillips in support of spinal cord research, Kauri log exports, the history of pies in New Zealand, the Magna Carta and Māori digital story-telling.

# FROM THE COLLECTION

## ART COLLECTION



ARTWORK: Jenny Doležel, b.1964. *And after that I decided not to go out anymore*. Oil stick and oil, on Lavis Fidelis paper

Jenny Doležel's tableaux are a busy cast of circus creatures and uncomfortable spaces. Her scenes are brightly coloured and captivating like illustrations in a children's picture book which hold our attention by the grotesquery of the characters and the ambiguity of their activities.

Two outstretched arms anchor the pitched horizon and dark cavernous space of Doležel's

1988 work *And after that I decided not to go out anymore*. Their brick surface pattern is medieval and sentinel-like and their anthropomorphic hands have puffy faces and mouths which smile knowingly yet absent, clumsily drawing open (or closed) ubiquitous blue curtains.

Overly large eyes feature heavily in Doležel's oeuvre and their gaze is often focused within

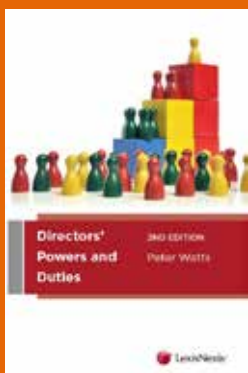
the painting rather than implicating the viewer as voyeur or target. The open eyes of these creatures are notably contrasted with the closed lids reflected in the mirror at the centre of the painting, as if that face has been caught in a private moment of repose. Another 1988 work by Doležel entitled "Protected Vision" recalls the French revolutionary Marat in the bathtub and draws us into a strange world, again via vision: where David painted Marat's political manifesto Doležel substitutes a hand-held mirror. Although we cannot see the eyes reflected in this tool of narcissism, we can surmise that the gaze shooting back and forth between Doležel's figures hems them in and protects them from a reality which they would rather not face. A recent paper published by the University of British Columbia examined why a viewer's gaze might be naturally drawn to the eyes when looking at images which included faces. Eyes in unnatural places, such as on hands or other body parts, still drew great attention from participants suggesting an intrinsic tendency to look for the eyes in any image. Doležel pushes our gaze around and about her paintings using eyes as visual stepping-stones, and imbues them with a threatening nature by using red in their depiction.

Who or what has contributed to a life of confinement remains unseen and undefined in "And after that I decided not to go out anymore". Certainly the foreground appears to be bright

## WHAT'S COMING OUT

### DIRECTORS' POWERS AND DUTIES

Law professor Peter Watts considers the law relating to directors' powers and duties in *Directors' Powers and Duties, 2nd Edition*. This is written for legal practitioners and aims to distil general principles, to illustrate their application, and to provide suggested solutions in areas which remain contentious or unsettled. The first edition was published in 2009 and



the law is stated as at February 2015. The book was published by LexisNexis NZ Ltd in May 2015 at 373 pages in paperback and e-book. The price is \$195.

### EARTH GOVERNANCE

The predicament of uncontrolled growth in a finite world puts the global commons – such as oceans, atmosphere, and biosphere – at risk. So far, states have not found the means to protect what, essentially, is outside their jurisdiction. However, the jurisprudence of international law has matured to a point that makes global governance beyond state-negotiated compromises both possible and desirable. This book, by Professor Klaus Bosselmann (Law) makes an ambitious, yet well-researched and convincing, case for trusteeship governance. *Earth Governance: Trusteeship of the Global Commons* (Edward Elgar, July 2015; 320 pages) shows how the United Nations, together with states, can draw from their own traditions to develop new, effective regimes of environmental trusteeship. Klaus argues that the integrity of the earth's ecological system depends on institutional reform, and that only an ethic of stewardship

and trusteeship will create the institutions, laws and policies powerful enough to reclaim and protect the global commons.

Orders can be placed on this website, which also contains links to selected chapters that can be downloaded.

<http://www.elgaronline.com/view/9781783477814.xml>

There is a discount of 35% for personal copies using the code "VIP35" on the website before you check out.



### STRATEGIES FOR SUSTAINABILITY

In this e-book, *National Strategies for Sustainability: Options for New Zealand* (New Zealand Centre for Environmental Law Monograph Series, Vol. Four, 2015; 183 pages) Professor Klaus Bosselmann reviews national strategies for achieving sustainable

and safe in comparison to the scene beyond the curtain rail. Yet the phallus-shaped creature dangling precariously from an imagined ceiling bursts into the interior, perhaps domestic setting, where silhouetted figures have a front-row seat to the unfolding drama. Its pincers grab at nearby objects, the curtains, the arms, the mirror, while its face remains passive.

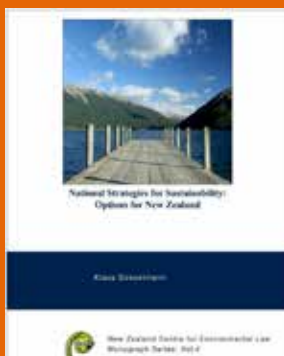
Despite the underlying current of moroseness, Doležel gives her work commonplace titles such as *At the end of the day*, *Charm School*, *The Interior* and *Night Shift*. She says many of her ideas stem from her own dreams and nightmares as well as the anthropomorphic fables her mother told her as a child. She says "I wanted to find a visual equivalent of the inner landscape I was dealing with" and thus the pictorial language is wholly familiar to her and yet incongruous to the outside world. This duality of illusion and reality renders her paintings playful and at times obscure, requiring the viewer to piece together individual elements as if putting together a jigsaw puzzle.

• Alice Tyler

development in the European Union, the United Kingdom, Germany, Sweden, Finland, Canada, Australia and New Zealand.

Taking a comparative perspective, it identifies the main features of advanced national strategies (e.g. goals, comprehensiveness, effectiveness) and contrasts them with efforts in New Zealand (lagging behind most OECD countries). The book provides state-of-the-art guidance for developing a national strategy for sustainability in New Zealand.

This publication may be downloaded at Amazon: <http://www.amazon.com/dp/B00T256JN6>



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**BIRKENHEAD,** Three-bedroom + study house for rent, available 15 Dec 2015-15 July 2016. Quiet home amidst native trees, bordering nature reserve. Furnished, cars negotiable. Suitable for visiting academic/family. Easy access to schools, beaches, bus lines, ferry to CBD. \$700 pw utilities included. Contact [l.samuels@auckland.ac.nz](mailto:l.samuels@auckland.ac.nz)

**SMALL SELF-CONTAINED STUDIO,** suit single person. 27 October-30 January. Two minutes to University of Auckland City Campus, situated off Symonds Street. Fully self-contained with security. Quiet non-smoker preferred. \$250 pw (incl). Text (022) 090 1513 or email [aberenso021@hotmail.co.nz](mailto:aberenso021@hotmail.co.nz)

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**A FINNISH FAMILY WITH TWO CHILDREN** (9 and 11 years) is looking for a furnished home with 2-3 bedrooms in or near Parnell during a research visit to the university of Auckland in December, January and February. Contact [katja.a.p.makinen@juu.fi](mailto:katja.a.p.makinen@juu.fi)

**EXPERIENCED HOUSE SITTER AVAILABLE.** Very tidy and mindful of the space I am looking after. Good with pets and garden. I have my own transport and am a full time employee at the University of Auckland. Contact Justin Marshall on 021 549 939 or [Justin.marshall@auckland.ac.nz](mailto:Justin.marshall@auckland.ac.nz)

**HOUSEMINDING.** Responsible, quiet, tidy university woman student seeking houseminding position. References. Contact [adbrown0021@hotmail.co.nz](mailto:adbrown0021@hotmail.co.nz)

**MATURE WOMAN SEEKS NEW HOME:** I am looking for a new home - house-sitting, a rental or sharing. I'm 57, a freelance writer with ongoing assignments across the University and Auckland Council, working mostly from home. You can find me on Linked In and at [www.26letters.co.nz](http://www.26letters.co.nz) Contact me at [prue@26letters.co.nz](mailto:prue@26letters.co.nz) or on (027) 488 7078.

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## PROFOUND IMPLICATIONS

### “What’s happening in the social services world?”

These are rapidly changing times in how we deliver, fund, manage and control services for individuals, families and communities.

While much of the focus has been on services for children and families, the changes affect all social service clients: mental health services, disability services, alcohol and drug services, youth offending, to name but some of the groups. As always the story is long and complex but at the core are fundamental changes built around:

- (1) funding based on outcomes (what is achieved by the services which government purchases);
- (2) an “investment” approach, in which funding and services are prioritised and targeted on the basis that they “invest” in some way reflecting government priorities;
- (3) services might be provided by community groups or through private for-profit organisations, with limited scope for direct government provision.

What does all this mean for those who need and use social services, for organisations and community groups (many of them with long and well established networks in local communities) and for social workers and others who work in the organisations?

Given that funding is linked to government-determined targets and outcomes, there will be significant changes in both the priorities for funding and in the services which are funded.

Some organisations will either disappear or become significantly reduced (this has begun already) and they will be competing for a smaller pool of funds from philanthropic groups. Because services will largely reflect government-determined priorities, some community groups will find themselves becoming effectively mini government agencies, with their work, priorities and approach largely determined by the government contracts. This has significant implications for the community functions and democratic contribution of those groups, contributions that have historically been at the centre of the purposes of those groups. Groups become what has been described as “little fingers of the state”, not servants of the community. Rather than being a central and integral part of the social services network, government agencies will be reduced to the minimum.

Over the years, services have been developed based around a framework for assessing and evaluating need. The changing arrangements mean that funding, not need, will significantly determine services. Funding arrangements such as social bonds (one of the ideas currently being proposed) are likely to result in services for some (favoured) groups being developed because the outcomes are easier to achieve and measure, while others with more substantial and ongoing needs receive secondary and poorer services. Health services are sometimes said to be provided on an inverse law of care – those who need the services most receive the least

services. The proposed changes lend themselves to creating the social services equivalent.

For social workers and social service practitioners, the implications are profound. Aside from the uncertainties of the funding environment (which in itself creates considerable pressures), the changes create an environment which is the antithesis of effective practice. Good practice can only occur:

- (1) when services are well embedded in a sustained commitment to the local community, contributing in multiple ways to that community;
- (2) when competent, skilled practitioners are able to build and sustain effective relationships with individuals, families and communities over time.

The directions of change are the antithesis of these fundamental requirements because they (the changes) emphasise short-term, measureable outcomes and constantly-changing contractual arrangements around providing, delivering and prioritising services.

Outcomes and change, shaped by effective working relationships between clients (individuals, families, communities) and practitioners are fundamental in the provision of quality social services. Effective use of resources is equally fundamental. The major risk in the current reshaping is that we will be moving away from these critical goals, not moving towards them.

• Associate Professor Michael O'Brien  
Counselling, Human Services and Social Work  
Faculty of Education and Social Work