

CHEMICAL SCIENCES LOOKS BACK

ROCK ART

IT DIRECTOR ON HER
QUEENSLAND CHILDHOOD

DOING MĀORI BUSINESS

NEW VISUAL IDENTITY

The University has refreshed its visual identity. The update, created in conjunction with our advertising agency JWT, incorporates subtle changes to our logo and photography style, and introduces a new font. A timeline has been established to roll out the new elements over the coming months, with presentations to staff and workshops for graphic designers across campus. A new University Style Guide to assist staff to implement the changes is also currently being developed and will be available on the intranet.



BLACKBIRD

Visit the exhibition *Black Bird* by artist Lonnie Hutchinson at Gus Fisher from 7 March. The show is part of the Auckland Arts Festival and features sculpture, video and virtual reality experiences. Lonnie Hutchinson is an Auckland-based artist of Sāmoan and Māori descent, whose practice subtly addresses issues of female experience from indigenous and feminist perspectives. The survey exhibition *Black Bird* brings together performance, installation and animation works from the last 17 years of Lonnie's practice, shown together for the very first time. Opening preview is on Friday 6 March, 5.30pm.



MINISTER LAUNCHES MOBILE APP

The Hon Steven Joyce, Minister for Tertiary Education, Skills and Employment, launched the 2015 Occupation Outlook report and mobile App on campus in January. The App allows students and their families to easily compare the job prospects and incomes of 50 different careers. Mr Joyce said the report and App gives all the information students need at their fingertips so they can compare and contrast occupations such as engineering and manufacturing. The information displayed on the App is provided by TEC, tertiary institutes, industry and companies.



FALSE RIVER

New staff member Paula Morris, who is teaching on the English Department's Master of Creative Writing course, is in the running for the 2015 *Sunday Times* EFG Short Story Award, the world's richest prize for a single short story, worth £30,000. Paula's story, "False River", was announced as one of the 19 short stories on this year's long list and the only from the Southern Hemisphere. "It is set in Louisiana, where I used to live," she says. "It features a number of places very dear to my heart, where I spent time ten years ago, evacuating New Orleans to escape Hurricane Katrina."



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COVER PHOTO: Circa 1969, Sir Neil Waters, Professor of Chemistry and assistant Vice-Chancellor (Research) at Auckland and former Vice-Chancellor of Massey University (left); and Professor of Organic Chemistry, Con (Richard Conrad) Cambie who was appointed to the chair in circa 1969. For a time he also served as assistant Vice-Chancellor (Student Services) and retired in 1996 with Professor Margaret Brimble, who holds the chair today, replacing him.

Photo from Vivat Academia, 1960s University Photographer: Anton Estie

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OUR DAA'S

Six distinguished alumni will be acknowledged at a black-tie dinner on the 13 March.

They include America's Cup skipper and yacht designer Sir Russell Coutts (Engineering); Mainfreight Executive Chairman and passionate supporter of education and conservation Bruce Plested (Education); distinguished former All Black and NZRU President Bryan Williams (Law); world authority on the biological chemistry of free radicals Professor Christine Winterbourn (Science); and outstanding business leader and mentor Joan Withers (Business).

Our Young Alumnus of the Year, Fady Mishriki (Business and Engineering), is a shining example of a successful young leader who has been nurtured through the Business School's entrepreneurial ecosystem.



Sir Russell Coutts



Bryan Williams



Joan Withers



Bruce Plested



Professor Christine Winterbourn



Fady Mishriki

NEW COURSE ADVANCES WAIKATO NURSES

Four new nursing honours graduands in the Waikato are the first globally to qualify in an innovative programme that combines postgraduate study with a leadership programme.

The four students, (Michelle Cameron, Kimberley McAuley, Sara Hablous and Victoria Prendergast) have achieved the Nursing Honours degree based within Waikato District Health Board, and will graduate with first class honours in May.

One of these students, Victoria Prendergast, is continuing her studies this year with a Doctorate in Health Sciences investigating infectious disease outbreak in New Zealand, specifically modelling ebola spread.

In 2013, an initiative to increase the number of nursing leaders in the Waikato was developed by the University of Auckland and the Waikato District Health Board.

The initiative combined an existing academic programme for top achieving nursing graduates from across the country with a pragmatic leadership mentoring programme delivered jointly by the School of Nursing at the University of Auckland and Waikato DHB.

Nurses on the two year programme worked on research directly relevant to Waikato, alongside senior managers across the DHB while continuing to study towards expanded nursing roles.

This initiative is the first of its kind internationally and promises significant rewards to these nurses as well as the Waikato DHB. The programme funding for the DHB was supported by Health Workforce NZ.

VISIONARY LEADER AT ASPIRE



"Making a difference through exceptional customer engagement" is the focus of the plenary panel at the 2015 ASPIRE Professional Staff Conference, with University of Auckland Council member, Sir Ralph Norris, a featured speaker.

A passionate commitment to customer service, along with strong leadership and a people-centred approach, has been the hallmark of Sir Ralph's varied and successful career at the ASB Bank, Air New Zealand and the Commonwealth Bank of Australia.

"If I look back over my career it has been characterised by change," he says. "Change is something that has been going on in perpetuity.

But I think it is important that we realise that change has probably accelerated in the last 10 years and as a result of that it is important that companies have processes and structures that facilitate agility and nimbleness within the organisation."

Sir Ralph has been widely recognised for his contribution and achievements, and was made a Knight Companion of the New Zealand Order of Merit in 2009 and a Distinguished Companion of the New Zealand Order of Merit for services to business in 2006.

Sir Ralph works on several boards and was recently appointed to the board of Fletcher Building. He also mentors and undertakes pro bono work in the charitable sector for the Juvenile Diabetes Research Foundation Advisory Board and The Parenting Place.

The plenary panel also includes Jade Leung, recent University of Auckland environmental engineering graduate and foundation CEO of the P3 Foundation (a youth-led organisation aiming to end poverty), and Vice-Chancellor Professional Stuart McCutcheon. The panel will cover multiple views of customer engagement to inspire reflection about our customers and how we engage with them to make a difference.

The conference programme workshops are aligned to the University's Leadership Framework and linked to how individuals can make a difference to yourself, your team, the University, your whanau, and your community.

ENGINEERING HERITAGE BOOKS RECOGNISED

In November last year the Dean of Engineering, Professor Nic Smith (pictured left), presented Geoffrey Thornton with a certificate recognising his enormous contribution to the recording of New Zealand's engineering history.

Geoffrey, a longstanding member of IPENZ's engineering heritage groups, is now aged 92. He joined the Public Works Department as an architectural cadet in 1940 before serving during World War Two with the New Zealand Army Engineers. After the war he studied architecture and then his professional career as a Ministry of Works (MoW) architect began.

With a deep interest in heritage, Geoffrey was the MoW representative on the New Zealand Historic Places Trust Board for 19 years from 1971 and Chairman of the Trust's Classification Committee for 14 years. During this time he tirelessly promoted the merits and recognition of New Zealand's industrial and engineering heritage.

When he retired from the position of Assistant Government Architect in 1980 Geoffrey pursued this further, writing many important books including: *New Zealand's Industrial Heritage* (1982); *Cast in*



Concrete: Concrete construction in New Zealand 1850–1939 (1996); *Bridging the Gap: Early bridges in New Zealand 1830–1939* (2001); and *Worship in the Wilderness: Early country churches of New Zealand* (2003).

As well as a host of honours for his services to architecture, Geoffrey was made an IPENZ Honorary Fellow in 2000 for his contribution to engineering heritage. The University of Auckland certificate is a tribute to the impact of Geoffrey's meticulously researched books and their detailed exploration of New Zealand's architectural and engineering legacy.

NGĀ PAE O TE MĀRAMATANGA ADVANCES IN CORE FUNDING

The Tertiary Education Commission (TEC) announced in January that Ngā Pae o te Māramatanga (NPM) New Zealand's Māori Centre of Research Excellence (CoRE) has been selected as the only applicant to go forward to the next stage of the Māori CoRE funding round for 2016 – 2020.

The announcement by the commission means Ngā Pae can now submit a full funding proposal to the commission's selection panel, marking the final stage of a three-stage application process which was initiated last year.

The University of Auckland hosts the Auckland-based centre, and Deputy Vice-Chancellor (Research) Jane Harding says the University is delighted that Ngā Pae will have the opportunity to develop a full proposal.

"Ngā Pae o te Māramatanga has an expansive research network that spans all New Zealand universities, several wānanga, a CRI and museums as well as community-based research units across the country," she says.

"The University welcomes the opportunity to work further with these organisations to ensure

that researchers involved with the competing bids are incorporated into the next phase of Ngā Pae's detailed proposal."

Ngā Pae o te Māramatanga's director, Associate Professor Tracey McIntosh (Tūhoe) says: "We are pleased to have the opportunity to refine our proposal and in doing so demonstrate the significant further advances we can make based on our strong history of success."

Many researchers across the country assisted with Ngā Pae's funding bid and Tracey thanked them for their support.

"Their vision for the next phase in Māori research demonstrates the depth and breadth of Māori research leadership."

She says a new research leadership model with a collaborative governance structure and greater community involvement is planned in Ngā Pae's proposal.

The TEC Board of Commissioners is expected to make the final funding decision by June 2015.

TB DRUG DEVELOPMENT

University of Auckland researchers were crucial in the development of a potential tuberculosis drug that is the first to advance to a Phase one clinical trial in six years. In New York last month, the TB Alliance announced the start of the first human trial of the new tuberculosis (TB) drug candidate, designated TBA-354. "Our chemistry team has worked on this since 2006 when the TB Alliance approached us to help with the project," says Professor Bill Denny, director of the Auckland Cancer Society Research Centre and a Principal Investigator of the Maurice Wilkins Centre at the University of Auckland. "We made several hundred compounds, from which TBA-354 was selected for clinical development in 2011." A group of five researchers from the University of Auckland has worked on the project, with the chemistry led by Associate Professor Brian Palmer.

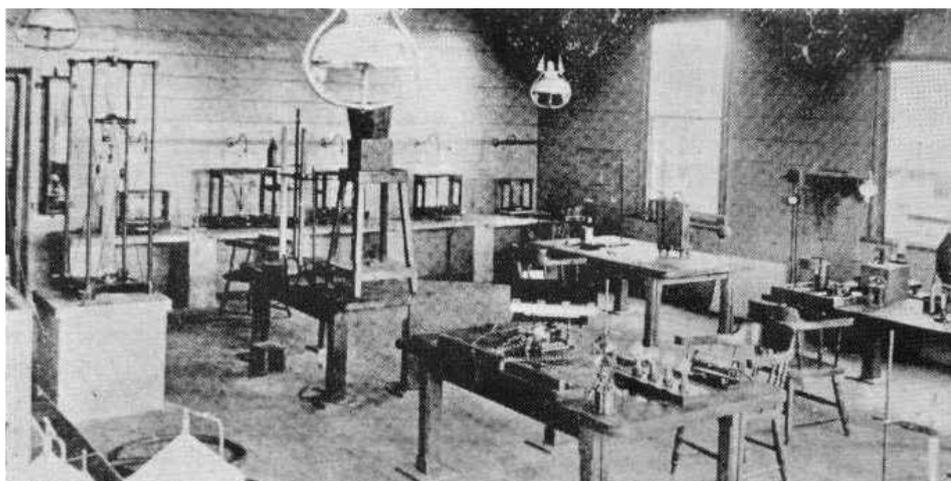
RYMAN PRIZE

The Ryman prize – a privately-funded US\$150,000 (NZ\$202,000) award for the best advance that enhances quality of life for older people was launched by the Prime Minister, the Right Honorable John Key, at the University on 26 February. The award's aim is to spark new research in the health of older people, as well as to reward the best and brightest in the world for work done in this field. Applications open on February 26 2015 and closed on April 17 2015. The winner will be presented with their medal by Nobel Laureate Professor Erwin Neher at a ceremony in August 2015. The winner of the Ryman Prize is selected by consensus by an international jury.

WHITE NIGHT

Navigate through the central city's streets and laneways wooed by Bodyphonics Pied Pipers and Pop Music buskers; all performed by students and graduates from the School of Music and the Dance Studies Programme. Past and present students from Elam School of Fine Arts will also be presenting a diverse range of art experiences at the Auckland City Library, George Fraser Gallery and Projectspace Gallery. Saturday 14 March, 6pm-midnight.

100 YEARS OF CHEMISTRY



Laboratories, Auckland University College, circa 1900

Discuss the changes which can take place when carbon dioxide is brought into contact with a) quicklime, b) slaked lime c) lime water.

If you can answer this correctly then you would probably be in good company with the seven students from Auckland University College who passed second-year chemistry in 1915.

Although physics and chemistry had been taught at the College since its inception in 1883, it was only when the founding Professor of Experimental Physics and Chemistry, Frederick Brown retired in 1914 that chemistry was separated out and a chair established in its own right. Now to honour that beginning the School of Chemical Sciences is holding a 100th anniversary celebration. Two full days of events (13–14 March) are planned for members of the public, colleagues, current students and alumni; a special gala dinner will cap off the festivities.

New Head of School Professor Kevin Smith sees the centenary celebration as a chance to “pat ourselves on the back after a spectacular year of achievement,” which includes securing over \$20 million in Ministry of Business, Innovation and Employment grants, adding to the success of academic staff who are winning “a great deal of international recognition”.

The centenary also underlines just how far the Chemical Sciences Department has come. Today it has 1,469 undergraduates and 150 postgraduates working in six locations - City, Tāmaki, Grafton, Newmarket, Waiheke Island and Mt Albert - all using state-of-the-art equipment and in many cases housed in new designer laboratories.

Compare this with how Professor Frederick Palliser Worley, the first Chair in Chemistry and a former student at Auckland University College, described his teaching premises in 1914. “The lecture room was still poorly lit by a group of hissing gas burners suspended from the ceiling,” he wrote. “The chemistry laboratory was dimly lit by carbon filament light bulbs supplied by power from a generator and battery in the basement...

The old furnace room still had its assay and muffle furnaces ...”

In 1914 there were only a handful of chemistry students, in part because of the war and perhaps in part too because control of the syllabus and exams was set by the Senate of the University of New Zealand. For the record, in the College exams in 1915, six students passed first-year chemistry, seven in second-year and only one at third-year.

Yet for all this Professor Worley was enthusiastic about his subject and the possibilities emerging from a new era that had dawned [in chemistry and physics] at the end of the 19th century. “There was Becquerel’s discovery of x-rays, Rayleigh and Ramsay’s discovery of argon, Crooke’s identification of helium, Ramsay’s discovery of other inert gases of the atmosphere.... radium by Madam Curie ... and the earlier discoveries of radioactivity by Rutherford.”

These discoveries, Worley predicted, would “open up fields for exciting investigations for years to come”. So it would probably come as no surprise to him that today the University’s School of Chemical Sciences offers a comprehensive range of courses in pure and applied chemistry with programmes in Medicinal



Professor F.P. Worley (circa 1936)

Chemistry, Forensic Science, Wine Science, and Food Science and Nutrition.

MOTHER EARTH AND HER MURDERERS

Interestingly, although Professor Worley contributed 24 papers to scientific journals mainly in physical chemistry, a former student reports that he was also strongly interested “in what is now known as ecology, and used to give public lectures under such titles as ‘Mother Earth and her Murderers’, drawing attention to the destruction of the soil through bad agricultural practices.

He propounded a theory, long before the discovery of the positron, that there should be a series of anti-matter elements. He wrote one spectacularly successful publication in those years; a letter to *Nature* entitled ‘On loaded dice’, which drew an enormous number of reprint requests from the U.S.A.”

This history was put together from *A Century of Chemistry At The University of Auckland 1883 -1983* by R.C. Cambie and B.R. Davis

RESEARCH SHOWCASE

As part of the centenary celebrations, the 7th annual Chemical Sciences Research Showcase is being held at Auckland War Memorial Museum on 13 March. The entire School of Chemical Sciences, chemistry alumni, partners in industry, the general public (including school teachers) and other academics from related University departments/faculties and other universities will attend. This year, sponsorship from industry heavyweights such as Thermo Fisher Scientific, Fonterra, Fisher & Paykel Healthcare, and ECP Laboratory & Research Chemicals are on board for the day.

Alongside the student presentations there is a keynote address by Nobel laureate Professor Robert Grubbs, who is travelling from the California Institute of Technology on a Hood Fellowship for the event. A second address will be given by Professor Russell Egdell from the University of Oxford, who will talk about the life and work of Henry Moseley, the father of the modern periodic table; he was a student of Rutherford and was killed 100 years ago at Gallipoli.

The centenary’s Saturday programme is suitable for a general audience and features a series of talks from eminent chemists, including second lectures from Professors Grubbs and Egdell.

www.chemistry.auckland.ac.nz/en/about/our-school/centenary-celebration.html

MY STORY

STAFF QUESTIONS AND ANSWERS



LIZ COULTER

Liz Coulter has been the director of the University's IT services since August 2011, overseeing a staff of around 230. Prior to that she was with the University of Queensland for 11 years as the Associate Director of IT Strategy, Planning and Client Relations.

Liz has a degree from the University of Queensland majoring in computer science and mathematics and an MBA, also from the University of Queensland. She has worked across the spectrum of IT services from software development to business analysis: project management, strategy, looking after servers and storage as well as budgets, finances and procurement.

WHAT DID YOU LOVE DOING AS A CHILD?

As a child I grew up in Brisbane in a house in Clayfield where my father still lives (he's 82). It was an old Queensland house, about 120 years old with big verandas. We played in trees and played softball or netball in the front yard. Dad drew up a mini-tennis court and basketball court. I had two older brothers and a younger sister.

I read a lot too. Nancy Drew was my favourite. I was a big reader. My sister and I of course sang Abba through the house. I didn't like the beach. I didn't like getting sunburnt. I now live at the beach and really enjoy walking the dog.

WHAT DID YOU ENJOY LEARNING ABOUT IN YOUR EARLY LIFE?

My father was the Director IT at the University of Queensland so we had some of the earliest computers in the house. A chunky early Mac. We played computer games on it with clunky graphics but we thought they were very cool at the time. I used to compete with my neighbour.

TELL US ABOUT YOUR FIRST JOB EVER?

I worked at Coles in the city, the equivalent to New World here. I worked in the bread kitchen selling hot bread and cakes. I worked Friday nights and Saturday morning to get extra funds while at University. I was living at home so my pay was so I could pay for petrol and go out.

WHO WAS YOUR BEST TEACHER AND WHY?

My music teacher Miss Howard. She encouraged me to be more confident as well as encouraging me to study music, play the tenor horn and learn to conduct the school band.

One of my memorable teachers, and not in a good way, was a male chemistry teacher, who once told me that women shouldn't do chemistry. Of course neither myself, or my parents were impressed, especially as I was at an all-girls school that promoted girls in Science. Although, this may have helped send me on a path to being a woman in science and to the work I am doing to help promote women in IT at the University.

HOW AND WHEN DID YOU DECIDE WHAT YOUR FUTURE CAREER WOULD BE?

Dad always said when we were born that my brother would be a doctor, my second brother would be an engineer, I would be in computer science and my sister would be a lawyer....my sister didn't become a lawyer but the rest of us obviously listened to our father. Dad was one of the first programmers in Australia and was a Director of IT at the University of Queensland. This had a strong influence on me.

I started in IT when I graduated from high-school. I also wanted to be a choreographer (my mother was a ballerina) but I decided IT was the way to go. Girls doing IT were very rare. At my high school we had an old mark card computer. We learnt to programme on that in Grade 11 and 12. At Uni we had computers using a keyboard entry. I think PCs were introduced after I left uni. There were only 13 girls out of 300 doing IT at Uni when I started.

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

I would like ITS to be seen as a valued partner to the staff at the University, adding value to research, teaching and learning and administrative activities.

WHAT DO YOU LOVE MOST ABOUT THE JOB?

I like being part of the University context. I like knowing that IT can help move education forward and help researchers do what they need to do. I like working in a higher education university and I like making a difference.

DO YOU BELIEVE THAT WHAT YOU DO CHANGES PEOPLES LIVES?

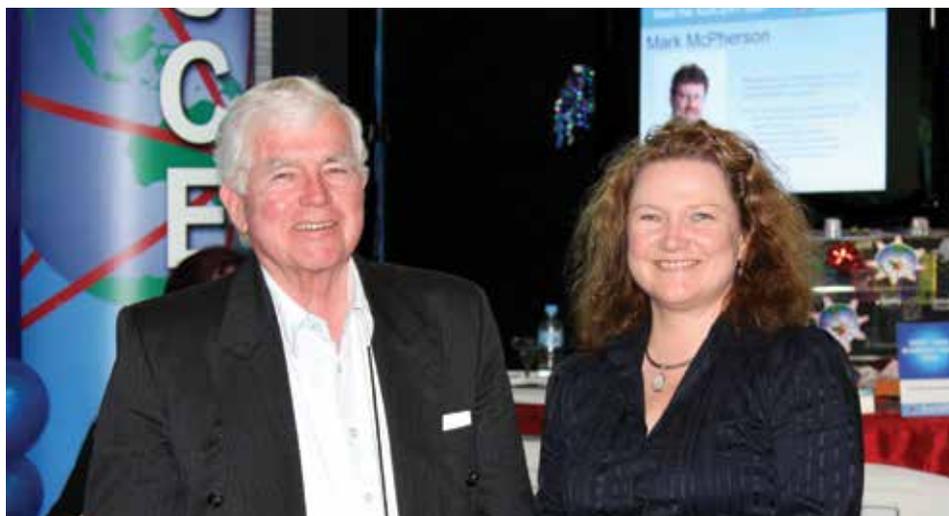
Yes I do. I think by providing better IT and technologies we can help make people more productive in the workplace, help how they teach and do their research.

WHAT HAVE YOU ACHIEVED THAT YOU ARE VERY PLEASED ABOUT?

I am pleased with a lot of what has been achieved in IT Services across all the teams. The move to the new web content management system from Jahia to Adobe went very well. The expectation was that it wouldn't. I was proud of how the team did during the migrations. A lot of work has also gone into the resilience of systems over the last year and I am proud of the successes we have had in this area. I am also pleased with how the IT teams across the University are working together to form an Integrated IT.

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

I walk my dog – a border collie kelpie cross called LB – with my partner, Jason. LB was originally called LBD because every girl needs her LBD - "little black dress"/"little black dog", but being Australian we shorten everything and now we just call him LB. I enjoy reading when I get time and going home to Brisbane to see my family and my father and catch up with friends.



A younger Liz with her father Alan.

DID YOU KNOW

THE UNIVERSITY OF AUCKLAND CALENDAR IS NOW A DIGITAL ARCHIVE

In 1958 Auckland University College was permitted for the first time to call itself the University of Auckland on the cover of its *Calendar*, although it remained a constituent college of the University of New Zealand until it gained full autonomy in 1962.

In 1958 the University of Auckland offered Radio Physics as a subject and, on a less academic note, the Student Association ran the cafeteria for the purpose of providing “for the student’s inner man”. This would have been a problem if you were a woman but at least you could study Radio Physics. Information like this can now be found in the *University of Auckland Calendar* digital archive.

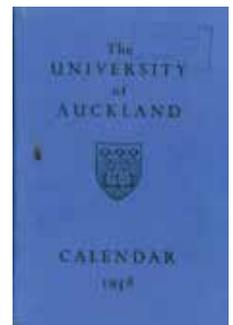
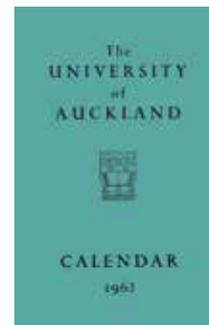
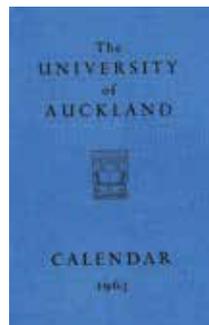
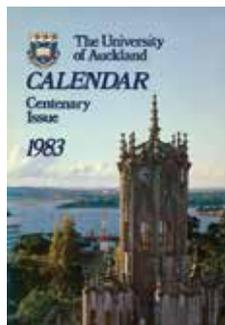
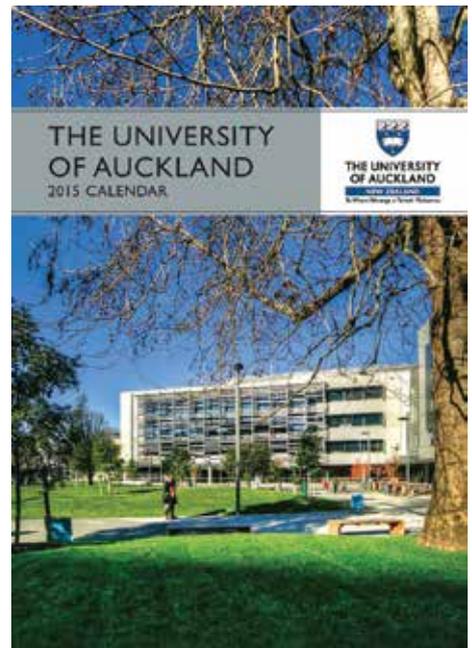
In 2014 the Calendar team within the Academic Programmes Office in Academic Services completed a project in which University of Auckland Calendars from 1958 onwards were scanned and made available online on the online *Calendar* website at www.calendar.auckland.ac.nz/archive.

The *Calendar* archive provides an opportunity for people to see how the University has developed over the years. The growth in size of the *Calendar*, for example, is a natural reflection of the growth of the University itself. In 1958 the student roll was approximately 4000 students and the *Calendar* was 364 pages long. In 2013 the student roll numbered over 40,000 and the 2013 *Calendar* was 843 pages long. This is a far cry from 1883 when Auckland University College first opened and published an 8-page booklet of regulations.

The Centenary Issue of the *Calendar* published in 1983 had a photograph on the cover for the first time. It featured the iconic ClockTower, a building which has become even more iconic by featuring on almost one-third of the covers since that date. The images featured on the cover also provide a pictorial history of developments at the University, such as the opening of new buildings.

The digital archive of the *Calendar* will be a useful resource for anyone who wants or needs to access historical information about the University’s courses and programmes. University of Auckland Calendars published prior to 1958 can be found in the Special Collections section of the University Library.

If you have any feedback please send it to : calendar@auckland.ac.nz



Photos credit Special Collections, University of Auckland Libraries and Learning Services c/ 1958 cover

WHAT'S ON CAMPUS

APRU WOMEN IN LEADERSHIP 9-11 MARCH, various venues at the University. By invitation only.

Launched in June 2013, the APRU Asia-Pacific Women in Leadership Program (APWiL) is a programme focusing on various leadership challenges across APRU and enhancing the institutional competitiveness of APRU universities by promoting diversity in leadership and advancing the participation of women in academic leadership. It aims to establish a platform for the sharing of best practices in enhancing the institutional competitiveness of APRU universities; fostering diversity in leadership across APRU universities; and contributing to policy development in bridging the higher education gender gap.

BRIGHT LIGHTS: AN AUDIENCE WITH DISTINGUISHED ALUMNI 12 MARCH, 6.30-8PM MAIDMENT THEATRE TICKETS \$15

Bright Lights (formerly Auckland Live!) is a “chat show style” event featuring the University’s 2015 Distinguished Alumni Award winners, interviewed by media personality and alumnus Finlay Macdonald. The Distinguished Alumni Award recipients for 2015 are: Sir Russell Coutts (Engineering); Bruce Plested (Education); Bryan Williams (Law); Professor Christine Winterbourn (Science); Joan Withers (Business). Fady Mishriki (Business and Engineering). (See page 3)

REFUGEE JOURNEYS

16 MARCH, 2-3 PM
Great Hall (Room 101) ClockTower.
Rsvp 9 March to: equity@auckland.ac.nz

In 2015, eligible students from refugee backgrounds will be admitted to the University for the first time via the Undergraduate Targeted Admission Schemes (UTAS). Staff are invited to a briefing session on refugee journeys and experiences presented by the Equity Office and the Auckland Refugee Community Coalition. The ARCC briefing aims to provide staff with background information to help ensure students from refugee backgrounds are welcomed and feel supported to succeed at our University.

MENTORING FOR EARLY CAREER ACADEMICS



From left: Rick Henry, Filicia Wicaksana, Rashinda Hoda, Justin Fernandez and Quincy Ma.

“Everybody in the group found a sense of balance – about everything. And we really got to think about why we are pursuing our particular career choice. It’s not something you often think about because you are too busy just doing it. There was space for each of us within the group and it was great to know others are facing similar issues and are on similar journeys.”

These words come from Dr Rashinda Hoda, a senior lecturer in the Engineering Faculty’s Department of Electrical Engineering. She was one of 14 early career academics in her faculty who took part in a pilot mentoring programme last year.

Funded and supported by the Vice-Chancellor’s Strategic Development Fund, the Early Career Academics Mentoring programme, also trialled in NICAI last year, aims to support the individual aspirations and strategic career development of early career academics. It was designed by consultant Dr Jen de Vries in collaboration with HR’s People and Organisational Development Unit, and used a bifocal approach to mentoring, where the emphasis is not just on the development of the mentee but also on the mentor in order to bring about organisational change.

It draws on and combines two mentoring models,” explains Melanie Moorcroft, Associate

Director of Organisational Development. “The first is the traditional style of mentoring, where a partner (mentor) is attached with a junior colleague (mentee). However, it also draws on the evidence-based model of peer mentoring, where colleagues at similar career stages mentor each other. Combining these provides the best of both models, giving each group of colleagues (usually around four) the opportunity to meet as a group, both with and without their senior mentor.”

Rashinda’s group, which included Filicia Wicaksana (Chemical and Materials), Quincy Ma (Civil Engineering), Justin Fernandez (Engineering Science) and Rick Henry (Civil), met monthly throughout the year and Rashinda says “everyone felt the benefit of it”.

“This group totally engaged with the process,” adds Bryony James, Associate Dean (Research), who has oversight of the programme in the Engineering Faculty. “They took it on board and drove it for themselves. So we know the process works.”

Bryony sees the programme in particular helping academics to form networks across the faculty and disciplines and to create a community of practice around teaching and research. She is now keen to take lessons learnt from last year into this year’s programme.

The mentoring programme will continue in 2015 and be offered to other faculties which have expressed an interest in taking part.

RETRACING CENSORSHIP



Censorship is often regarded as a new concept used by modern leaders to suppress ideas and thought. But a new book edited by Dr Geoff Kemp from the School of Social Sciences outlines how censorship has been part of human life for 2500 years.

In *Censorship Moments: Reading Texts in the History of Censorship and Freedom of Expression* an international team of experts explores the nature of debates over censorship from Socrates and Cato to the later twentieth century. “The book is pointing out that the whole idea of censorship is bound up with history. The story of censorship is in part the story of democracy,” says Geoff.

Chapter topics range from ancient Roman censorship to the Papal Index of Prohibited Books, the American founders and the censorship of public opinion, and Lenin and George Orwell on censorship. Contributors are drawn from the US, UK, Germany, Italy, Ireland and New Zealand, and include leading historians of political thought such as Professor Bryan Garsten of Yale University and Professor Melissa Lane of Princeton. (Professor Lane will visit Auckland as a Hood Fellow in semester two this year.)

Geoff, a senior lecturer in Politics and International Relations, has also written a chapter, “*Areopagitica’s Adversary: Henry Parker and the Humble Remonstrance*”.

Areopagitica is the most celebrated denunciation of pre-publication press censorship in the English language. It was written by John Milton, poet and a civil servant for the Commonwealth (Republic) of England under Oliver Cromwell, and published 23 November 1644, at the height of the English Civil War.

The *Humble Remonstrance of the Company of Stationers* had been written in April 1643 by political writer Henry Parker to support press regulation. The chapter asks how Milton and Parker, both associated with ideas of republican liberty, could differ on so fundamental an issue as free expression.

University of Auckland colleague Dr Katherine Smits’ chapter “The Silencing of Women’s Voices: Catharine MacKinnon’s *Only Words*” discusses how the book identifies pornography as a key source of the continuing “censorship” of women, although it is, ironically, defended on anti-censorship grounds.

DATING MĀORI ROCK ART SITES



Gerard O'Regan (Ngai Tahu) is a PhD student working with Professor Simon Holdaway in Anthropology.

The first questions people usually ask about a cave painting or rock carving are who made it and what does it mean? Our answers depend on how old we think it is.

Unfortunately Māori rock art has been difficult to date, so since the 1970s archaeologists have relied on indirect measures. One approach took variation between layers of South Island pictures as indicating change over time. The resulting 'stylistic chronology' started with rock art coming to NZ in the Polynesian cultural *kete*, and subsequently changing along with other art practices through to when Māori drew sailing ships and wrote in missionary taught script after European colonisation. An alternative approach suggested that drawing began when Māori camped at inland shelters while fowling for moa and forest birds, but then ceased when the birds became extinct and deforestation rendered the places inhospitable. However, neither of these approaches provided reliable dates for rock art sites. This is what we've started to address.

The ability to radiocarbon date tiny samples has modernised rock art dating – as long as you know what it is that you're dating! For instance, to trained eyes drawings in a rock shelter at Opihi River, South Canterbury, looked old. Yet after fragments of this art eroding from the shelter wall were collected, radiocarbon dating indicated that the figures had been overdrawn in the 1950's with modern crayon. A reliable date directly from Māori rock art therefore remained elusive.

More useful insights have come from archaeological material around rock art. At Opihi an *umu* (earth oven) just in front of red paintings has charcoal dating from after 1650AD. Nearby a large *umu* next to the famous Taniwha Cave was used sometime earlier, between 1460 – 1630AD. These *umu* show that Māori continued visiting southern shelters long after the deforestation and moa extinction, so there is no longer reason to think rock drawing had stopped with those events by the early 1400's.

Archaeological evidence shows several rock art sites close to Lake Taupo were used after the mid-1600's. Radiocarbon dating confirms a ball of *muka* (flax fibre) saturated with red ochre is no older than 1650AD. It was found with a hair comb under some red marks on the rock wall. Other testing may determine if the *muka* ball was in fact a paint brush.

The evidence suggests that within the last 350 years Māori were aware of the paintings and carvings, undertaking various activities around them and occasionally burying artefacts with them. With *iwi* from Aoraki and Taupo regions, and colleagues from UoA, ANU, and Waikato University, we've started revisiting the dating of Māori rock art sites. Already we're moving beyond historic impressions, recognising the pitfalls and basing our views on new evidence.



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

CHILDREN IN CITIES

Professor Robin Kearns (Environment) writes in the *NZ Herald* that, far from making parents walk their children to school, our cities should be designed with children in mind. His comments come after three unaccompanied schoolchildren were hit by a car while crossing a busy Auckland road. Police at the scene said parents should be walking children to school.

FERNANDO DE NOROHA

Senior Lecturer James Russell (Biological Sciences) writes in *National Geographic* about his research trip to Fernando de Noronha, an archipelago of 21 islets off the coast of Brazil. The biological history of this former penal colony is closely intertwined with the introduced plants and animals that live here along with a small human population. Fernando de Noronha has UNESCO world heritage status.

FIGHTING KAURI DIEBACK

Lecturer Dr Cate Macinnes-Ng (Biological Sciences) on TV3's Firstline programme talks about the recent Kauri Dieback Symposium being held in Northland, where scientists are looking for new tools in the fight against a disease that threatens New Zealand's iconic Kauri trees. Watch interview: "Phosphite just a 'band-aid' for kauri dieback, not a cure."

E-CIGARETTES

Professor Chris Bullen (Population Health) attracted media attention with his statement that tightened Ministry of Health restrictions on the sale of e-cigarettes in New Zealand are causing people to import nicotine-based e-cigarettes from overseas. *Radio NZ* (Nine to Noon), *The Dominion*.

OBESITY

Professor Boyd Swinburn (Epidemiology & Biostatistics) spoke to the Minister of Health Jonathan Coleman about the obesity epidemic and the substantial public health support for a child obesity target, which would reduce this from a third of all children in NZ to a quarter. *NZ Herald*, *RadioLive*; *Oamaru Mail*.

EASTER ISLAND

Professor Thegn Ladefoged (Anthropology) received extensive media coverage for his research of Easter Island and how the population's demise was not in response to an environmental disaster, but the result of environmental constraints on the small 163-square kilometre isolated island.

FROM THE COLLECTION

ART COLLECTION

Billy Apple has used the divine proportion to make art works as divergent as packets of coffee containing a particular mix of roasted and blended beans to a stairway between Onslow Road and George Street in Monkey Hill Reserve in Kingsland where the treads and risers are precisely measured.

Despite the reference to the sacred in the name of this proportional relationship, God is not usually involved in Apple's works, although Mammon plays a cameo role. Apple began a series called 'AC/DC' [Artist's Cut/Dealer's Cut] in 1986. Those works carried on the theme of transactions, and were based on the dimensions of the golden rectangle, with a dotted cut line at the 61.8/38.2 mark: 38.2 percent was the dealer's commission.

This year, to honour his 80th birthday, Auckland Art Gallery will present a retrospective of Billy Apple's prodigious production entitled π . The idea of the existence of a divine proportion is more ancient than even this iconic New Zealand artist. Harmonic proportional ratio originated in the circle of Pythagoras in about the 6th century BCE. It was explained by both Euclid and Vitruvius in their writings as existing when a straight line or rectangle is divided into two unequal parts in such a way that the ratio of the

smaller to the greater is the same as that of the greater to the whole. This special ratio cannot be expressed as a finite number but an approximation is 8:13 or 0.616:1. With the invention of algebra, the American mathematician Mark Barr proposed in 1909 that the ratio should be expressed as ϕ or phi. This was in homage to the great Greek sculptor Phidias who lived around 450 BCE and reputedly achieved aesthetic perfection in his depiction of the human form using the discipline of this proportional rule.

Throughout the history of art, the belief that divine proportion has great inherent aesthetic value has endured. During the Renaissance, it was much studied as The Golden Section (hence the yellow colour used by Billy Apple here), especially by the mathematician Luca Pacioli, a close friend of Leonardo da Vinci and Piero della Francesca. In Pacioli's book *Divina Proportione* of 1509, which is illustrated with drawings by Leonardo, the Golden Section is described as this "divine proportion" and Pacioli endeavours, in true Renaissance fashion, to combine the knowledge of antiquity with the Christian faith by claiming that the ratio of the Golden Section is beyond definition and in this respect is like God. Twentieth-century artists and architects including

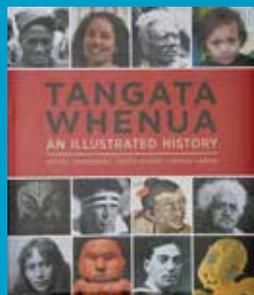
Le Corbusier and Dali proportioned their works to approximate the golden ratio, especially using the form of the golden rectangle, where the ratio of the longer side to the shorter is the golden ratio, believing this proportion to be aesthetically pleasing to the human eye.

In this work, Apple has yoked divine proportion to the idea of the logarithmic spiral. First described by Descartes, this formation was named "the miraculous spiral" by the seventeenth-century Swiss mathematician Jacob Bernoulli. He was compelled by the spiral's unique mathematical properties: as the size of the spiral increases with each successive curve, its shape remains unaltered, a property known as self-similarity. *Spira mirabilis* is often found in nature, appearing in nautilus shells and unfurling fern fronds. These latter formations are depicted as koru or pitau in Māori art and feature in the work of many New Zealand artists, including the modernist Gordon Walters, whose work was at the centre of a maelstrom of debate about cultural appropriation in the early 1990s in New Zealand.

■ Linda Tyler

WHAT'S COMING OUT

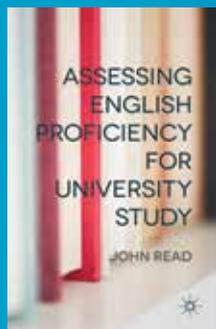
A BOOK FOR ALL NEW ZEALANDERS



Tangata Whenua: An Illustrated History, published by Bridget Williams Books, is New Zealand's first comprehensive, one-volume history of Māori. This large, ambitious and beautifully illustrated book follows the footsteps of Māori from Asia and the Pacific to the present day in Aotearoa. Its widely respected authors, Athol Anderson (Ngai Tahu), emeritus professor at the Australian National University, Dr Aroha Harris (Te Rarawa, Ngāpuhi) senior lecturer in History at the University of Auckland, and the late Judith Binney (former Emeritus Professor of History), set out to create a book for all New Zealanders and to address a gap they saw in our written history. Working with a team of historians and researchers they

have drawn from a wide range of stories and perspectives to tell the story of Tangata Whenua through history, archaeology, traditional narratives and oral histories, and through artefacts, sketches and photography.

ASSESSING ENGLISH PROFICIENCY

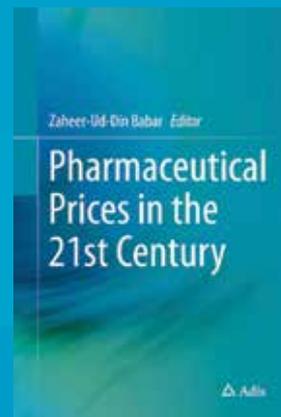


The University's Diagnostic English Language Needs Assessment (DELNA) programme is the focus of a new book by Associate Professor John Read, *Assessing English Proficiency for University Study*, published by Palgrave Macmillan. John is Academic Coordinator of DELNA in addition to his academic appointment in Applied Language Studies and Linguistics. The book discusses DELNA as a prime example of what is called in Australia post-entry language assessment (PELA), which seeks to identify incoming students who need to enhance their academic language skills in order to perform adequately in their degree studies. Auckland was an early adopter of this approach and, as the most comprehensive PELA programme in Australasia, DELNA has attracted considerable international attention.

Beyond our region the book covers PELA initiatives in English-medium universities around the world. It examines the theoretical foundations for the design of such assessments and the numerous practical considerations involved in implementing PELA effectively.

PHARMACEUTICAL PRICES IN THE 21ST CENTURY

This book, by Dr Zaheer-Ud-Din Babar, Head of Pharmacy Practice at the School of Pharmacy, is an essential, comprehensive text on global drug pricing and covers a range of pharmaceutical pricing issues. It has 22 chapters in total of which 19 are case studies on an array of high, middle, and low income countries. The final three chapters discuss value-based pricing, innovation, prices and the pharmaceutical industry, and the link between pharmaceutical policy and pricing. Dr Babar is the Editor in Chief of the Journal of Pharmaceutical Policy and Practice, www.jopp.org





ARTWORK: Billy Apple, *The Divine Proportion* 1996, laser print, 420 x 295mm

AD 1363

Jake Mahaffy, Senior Lecturer in Media, Film and Television and Coordinator of the Screen Production programme in the Faculty of Arts, has had his short film *A.D. 1363, The End of Chivalry* selected for this year's Sundance Film Festival in Utah. *A.D. 1363* was selected as one of 60 short films from over 8,000 international entries and is one of only three New Zealand films or co-productions to premiere at Sundance in 2015. It is about a little-known historical catastrophe that leads to the definitive end of the heroic era of chivalry. It was originally shot on 16mm film in Massachusetts with a local blacksmith who had fashioned his own suit of working plate armour in his forge. As an associate professor at Wheaton College Jake involved students in the project and made two short films with this knight.



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MANGAWHAI B&B:

The University's former Alumni Relations Manager, Amanda Lyne, is launching a boutique B&B in Mangawhai, Northland, in March 2015. It is on half an acre with country/orchard views and luxury spa pool and Amanda welcomes staff to book now at www.willowcreekmangawhai.co.nz

The B&B called Willow Creek is also available to hire as a holiday rental luxury cottage for some weeks throughout the year. Visit www.bookabach.co.nz or email amandajlyne@gmail.com

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MISCELLANEOUS

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LEADING FOR THE FUTURE

The conventional approach to business and to developing leaders is not sufficient for building the kinds of organisations we need.

By adopting a distinctively Māori approach, the needs can be addressed.

From a Māori perspective, the conventional offerings of leadership development – through tertiary institutions or via consultants and trainers – are often missing much of what Māori hold dear and know to be based on true wisdom.

Those who believe that “the only business of business is business” are thinking far too narrowly. The world faces crises such as the destruction of the environment by pollution, and poverty that is killing 22,000 children every day. It is imperative that current and future leaders act in the interests of communities and address social and environmental challenges as part of their business activity.

At a time when a staggering 80 percent of chief investment officers from top asset management firms indicate that their investment horizon is less than one year, it’s natural to be concerned that the enormous problems facing the world will not attract the massive business investment that is needed.

Investment is not happening at anywhere near the required level because business leaders face relentless pressure from conventional investors who are increasingly making demands for shorter and shorter profit maximisation. We need investors and companies to take a longer-term view and take greater account of future generations in today’s decision making.

To help bring about these changes, leadership development needs to include solid “inner work” in which leaders take a deep dive into looking at themselves and their relationships. This can be seen in those rare organisations that are committed to developing their people by weaving personal growth

into daily work, recognising that organisational results and the personal growth of all employees are inter-dependent.

Māori businesses, grounded in a Māori world view, consider what I call the “Five Wellbeings”, which encompass spiritual, cultural, social, environmental and economic dimensions. This distinctively Māori approach is in contrast to much of the “business as usual” approach that focuses on generating short term profit – often at the cost of a lot of wellbeing.

Many (though certainly not all) Māori organisations – including businesses, trusts, not for profits and service organisations – are illuminating a transformational pathway that is wise, sustainable and delivers across the Five Wellbeings. However there is a dark arm of unhealthy “corporatisation” often reaching into Māori enterprise, with a consequent watering down of other than economic wellbeings, and with traditional Māori values being compromised. The extremes of corporatisation often also end up reducing economic wellbeing.

“If we want to be transformational and create true wealth and wellbeing, as well as respond to a very fast changing environment, we need a dynamic strategic approach grounded in Te Ao Māori.”

For example, an over-reliance on rational planning through numbers can stifle the creative and intuitive dimensions required for cultivating a masterful mode of strategic thinking. When strategy gives rise to policies and procedures that prescribe meticulously what to do in particular circumstances, organisations can become weighed down by control and stagnation.

Many leaders believe if they manage more tightly, administer more closely, contract more thoroughly, and systematise more comprehensively, then the organisation will function better. However taking these to extremes, as so many organisations do, means that that we simply become slaves to the policy and the processes, journeying with blind obedience to strategy maps and plans and getting caught up in a “control” approach to change.

If we want to be transformational and create true wealth and wellbeing, as well as respond to a very fast changing environment, we need a dynamic strategic approach grounded in Te Ao Māori.

This openness allows as many forms of knowledge as possible to guide decision-making. Wayfinding, a mode of leadership that draws on a Polynesian traditional navigation approach, offers valuable lessons. It embraces multiple ways of knowing that include the entire body of senses, perception, imagination, emotion, symbols, and spirit, as well as concepts, logic, and rationality. Orienting to core values is essential for the wayfinding leader and includes *Hūmārietanga* – humility; *kaitiakitanga* – stewardship and guardianship of the environment; *whanaungatanga* – growth and nurturing of communities; *wairuatanga* – acknowledgement and nourishment of the spiritual dimensions of life, and *manaakitanga* – uplifting and caring for others.

When the people in an organisation are sufficiently aligned to reading signals from all of its communities and have a clear vision of where they are heading, the organisation will truly live its purpose and consciously create multidimensional wellbeing.

■ Dr Chellie Spiller, Senior Lecturer,
Associate Dean Māori and Pacific,
University of Auckland Business School