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+ FROM THE CHANCELLOR

Welcome to this special Centenary edition of *Graduate Contact*.

An Act of State Parliament established The University of Queensland in December 1909, and this year we are celebrating the diverse achievements of alumni like yourselves, who will continue to shape UQ's future well beyond 2010.

I experienced my first graduation ceremonies as Chancellor in July, and repeating these duties in December brought home the extraordinary achievements of UQ students across many different fields. Particularly pleasing has been presenting awards to a growing number of research higher degree graduates, people whose original work paves the way for others to follow.

Fittingly for a Centenary edition, this issue abounds with stories of UQ people doing great things, with the presentation of the annual *Alumnus of the Year* awards to three high achieving women being just one example. 2009 was a productive year on many fronts, whether that be measured in attendance figures at the UQ Art Museum, the funding secured for major projects such as the Translational Research Institute Queensland (see page 12), or new advances in animal and plant sciences realised at our evolving Gatton campus.

At the centre of the magazine you'll find an eight-page feature which includes a snapshot of UQ history, and flags the major Centenary events taking place this year. This edition also introduces you to UQ's first Pro Vice-Chancellor (Advancement), Clare Pullar, who is a leading advocate for Australian universities. Clare and I joined Vice-Chancellor Professor Paul Greenfield to thank UQ donors at a special event in October. These people – many of them alumni – prove that getting behind an institution like UQ does lead to positive outcomes.

Speaking of engagement, the previous edition of *Graduate Contact* saw the launch of the magazine's website, which has been a successful venture. I'm told readers from 95 different countries have logged on since June; proof that we are living in a globalised world which extends well beyond South-east Queensland.

It is certainly a great time to be part of the UQ community, and we hope many of you can make the Alumni Reunion Weekend at St Lucia from July 2-4, or attend the affiliate functions planned for interstate and overseas locations.

Happy reading.



John Story
Chancellor

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QUEENSLAND HISTORY MAPPED

Learn about the rich history of Queensland on a new UQ website

www.uq.edu.au/graduatecontact

COVER: Geoffrey Rush performs his Tony-winning role on Broadway. Image Joan Marcus. Courtesy Boneau/Bryan-Brown

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SECOND CENTURY CONFIDENCE

by Vice-Chancellor Professor Paul Greenfield AO

It is my privilege to be Vice-Chancellor and President of UQ at the start of our new century. We all owe a great deal to the people before us who created a strong platform for the future, particularly by attracting fantastic students, recruiting and holding on to exemplary staff, and establishing stunning infrastructure.

The Centenary is an opportunity to picture the University some years from now; for the sake of argument, in 2025.

Of one thing I am very confident: the global appetite for high quality tertiary education will not wane. The nations that are now labelled “developing” will clamour for well-informed professionals, and Australia will need an educated populace to face up to aggressive rivalry for markets and allies.

The bulk of UQ’s undergraduate students will be Generation Z, whose original traits will spur the institution in unforeseen directions.

At the same time, school-leavers will not dominate the undergraduate community to the same extent as today, because more people who already have careers will seek additional education.

Global learning and mobility will be non-negotiable by 2025. Ideally, at least half of our students will complete part of their programs overseas, either studying or working as interns – or both. We will have more inbound exchange students, and a larger proportion of PhD candidates from overseas.

The socio-economic and cultural backgrounds of UQ students will be more diverse than is the case in 2010, due largely to scholarships and long-term strategies such as the new Wotif Young Achievers program (see opposite).

More students will volunteer for programs comparable to Engineers Without Borders and Emergency Architects Australia. Greater numbers will drive initiatives similar to Manali Medical Aid, post-tsunami hospital care in Samoa, and

“THE ACHIEVEMENTS OF OUR FOUNDATION CENTURY DID NOT SPRING FROM LUCK. THEY WERE BORN OUT OF INTELLIGENCE, HARD GRAFT, AND RELATIONSHIPS WITH EXCEPTIONAL ORGANISATIONS AND INDIVIDUALS – MANY OF WHOM WERE UQ ALUMNI”

the Pro Bono Centre for law students – all of which are current UQ projects.

Among staff, I envisage more conjoint industry and government appointments, and more full-time researchers. Both schemes will be needed to maximise the results of greater investment in collaborative projects.

Partnerships with industry and government invariably lead to questions about the role of a university. For UQ, the fundamentals will not alter: academic integrity, independence and quality will remain sacrosanct.

Where will the UQ people of 2025 study and work? A year ago Herston was made our fourth official campus. It is already expanding, with the \$104 million Oral Health Centre in the advanced stages of planning.

I envision one or two new campuses in the foreseeable future. The developments at and around the Princess Alexandra Hospital are so substantial that this may well rate as a campus by 2025. It would be a collegial campus involving partner institutions and businesses, and would potentially take in the Translational Research Institute Queensland

(adjoining the hospital), the Pharmacy Australia Centre of Excellence (soon to include a general practice “super clinic”), and the Boggo Road Ecosciences Precinct (presently a collaboration of the Queensland Government and CSIRO).

UQ’s 280 hectares at Pinjarra Hills, in south western Brisbane, may become another campus, perhaps a research/industry/village campus on the proviso that the site is sensitively planned to respect community and environmental values.

UQ Gatton is destined for a tremendous future. It is well on the way to being the best place in the subtropics for learning, discovery and development related to animals, and the ambition is for a similar concentration of excellence in the study of plants, agriculture and food.

UQ Ipswich will have multiple strengths. Health sciences will be its teaching and research speciality, and students, staff and the regional community will benefit from an on-site general practice super clinic. The campus will have a unique relationship with the neighbouring Bremer State High School, and will host UQ’s first university college, offering associate degrees.

St Lucia will continue as a stronghold for learning, research and commercialisation, and will be an efficient entry point for corporations, charitable groups and governments seeking high-level expertise.

The standard of campuses that the University is able to build and maintain will circle back to the quality of its people. The achievements of our foundation century did not spring from luck. They were born out of intelligence, hard graft, and relationships with exceptional organisations and individuals – many of whom were UQ alumni.

This is a formula for success that the University will carry into its second century.



STEWART GOULD

Nurturing achievement

Benefactors Andrew and Jennifer Brice believe that a university education should be a realistic dream for all children in Queensland.

This sense of community responsibility is what motivated Mr Brice, co-founder of online accommodation website Wotif.com, to approach UQ with an idea of a scholarship program that would make higher education more accessible for disadvantaged students.

The focus of the program is to build the tertiary aspirations of secondary school students who are disadvantaged through financial hardship, rural isolation, and those identifying as Indigenous or the first in their family to attend university.

"I'm not worried about the wealthy kids or the exceptionally intelligent kids, I know they will be fine. I want to offer an opportunity to children who, due to some form of disadvantage, may not have considered a tertiary education as a legitimate option," Mr Brice said.

Director of UQ's Office of Prospective Students and Scholarships Margaret Fairman said this year the scheme would help an inaugural cohort of 85 students from 20 schools in the Moreton, Darling Downs and South West Queensland regions to complete Years 11 and 12.

"The overall focus of the program will be to nurture and develop these young people and

provide them with opportunities for personal growth and social and academic enrichment," she said.

The Young Achievers will receive significant scholarship support in Years 11 and 12, student and industry mentoring, have opportunities to participate in aspiration-building experiences and be guaranteed a place at UQ upon completion of high school. Students taking up their place at UQ will receive a scholarship valued at \$6000 a year for up to four years.

Aligning with the motivations of the benefactors, developing a sense of civic responsibility among participants is also an important goal of the program. On transitioning to UQ, the Young Achievers will be encouraged to assist others by serving as mentors for future students in their regions.

"If I can see just one child take this opportunity and reach their potential, then it will all have been worth it," Mr Brice said.

"It's a chance to inspire and motivate young Australians to take every chance they get in life to be their best."

// www.uq.edu.au/wotifachievers

Young Achiever and Forest Lake State High School student Trent Bosgra with his mother Gwen Blom



LYLE RADFORD

Campus experience for young scholars

Current students are an integral part of the new UQ Young Scholars Program which is attracting high-achieving Year 11 students to the University.

Office of Prospective Students and Scholarships Director Margaret Fairman said the program was designed to nurture and support exceptional students while they were still at school, without compromising their ability to focus on their senior studies.

The initiative is subsidised by UQ to minimise costs to families, with support available to students experiencing financial hardship.

The program was launched at the St Lucia campus in November, with a welcome event for parents and students preceding a four-day residential camp.

The on-campus, live-in experience provided a great opportunity for students to meet their peers from throughout Queensland, gain valuable insights into university life, and be exposed to subject areas they had not previously encountered at school.

Twenty-two mentors volunteered to supervise the students and guided their UQ experience. Activities included touring

science laboratories, sampling economics, music and astrophysics, handling ancient animal bones, learning about climate change and reporting the news.

The UQ Young Scholars also have access to an online community to exchange ideas and receive information from the University.

"Feedback from participants, their parents and the UQ student mentors has confirmed that this was a very valuable experience for students, providing them with an opportunity to become familiar with university life and study options, before they make their final decisions in Year 12," Ms Fairman said.

An island odyssey

Learning from the past is a passion for Professor Ian Lilley, who is leading a major archaeological dig in the middle of the Pacific Ocean.

By Eliza Plant

Living in primitive surrounds with no proper shower or bed for a month would have many people on the first flight back to Australia, but for UQ's Professor Ian Lilley, the search for a breakthrough find is too overpowering to ignore.

For days on end, the archaeologist can be found confined to a small pit in some of the world's most remote and undeveloped destinations.

"You're living in very close and usually very public quarters with people and it can be extremely basic, no shower for a month, no toilet for a month, no proper bed for a month," Professor Lilley said.

"My kids wonder why we don't camp for leisure – you've got to be kidding!"

Most of the time, a single dirt airstrip is his only escape back to civilisation – a reassurance as his travels can sometimes take him through regional conflicts.

A graduate of UQ's School of Social Sciences, Professor Lilley has worked in archaeology and cultural heritage management in Australia and the surrounding region for nearly 30 years, and is currently based in the Aboriginal and Torres Strait Islander Studies Unit (ATSIS).

A recent project saw him pack up his tool kit and set flight for Tiga Island, a rugged speck of raised coral in the South Pacific – commonly referred to as the "lopsided wedding cake".

2009 marked the fifth year he had visited Tiga, first on a pilot study jointly funded by the French and Australian Governments, and since 2007 on an ARC Discovery project he directs.

One aspect of the work has been the discovery of a unique ancient water harvesting system, found deep within the island's many caves.

"When whites first went there, there were probably 200 to 300 people living on this tiny island with no water," Professor Lilley said.

"There is no surface water on Tiga Island...though you can occasionally find water leaking out of the bottom of the coral cliffs at low tide."

Professor Lilley was captivated by the intelligence of the harvesting system, which in some caves included structures that resembled modern-day bathroom basins.

Along with the water systems, the team also discovered Lapita and other pottery, human remains and ash mounds from fire torches used by the caves' previous occupants.

"Lapita pottery is highly distinctive and was used by the first humans to colonise the remote Pacific beyond the end of the main Solomon Islands. It is found from New Britain near New Guinea out to Samoa and Tonga," Professor Lilley said.

"The earliest Lapita dates from 3300 years ago in New Britain to around 2900 years ago in Tonga, tracking the west-east movement of the colonisers.

"The human remains are being studied by specialists with the permission of the Tiga community. This work will reveal a great deal about diet, disease, social relationships and migration patterns."

"LAPITA POTTERY IS HIGHLY DISTINCTIVE AND WAS USED BY THE FIRST HUMANS TO COLONISE THE REMOTE PACIFIC BEYOND THE END OF THE MAIN SOLOMON ISLANDS"



Left, Professor Lilley (centre) with Jacques Bole and UQ student Silas Piotrowski on Tiga Island. Above, Professor Lilley works with research assistant Michelle Langley sieving sediment in a cave. Main image, the east coast of Tiga Island

IMAGES COURTESY IAN LILLEY

The thrill of helping piece together the history of ancient civilisations is the “elixir” that keeps the World Heritage Assessor searching.

“There’s always some little quirk...there’s always the unexpected, it usually always comes on the last day of the trip,” he said.

“The work I did in New Britain in the early 80s with the Australian Museum...it was the whole *Indiana Jones* trip, it was 20 people carrying big boxes on their heads walking through the jungle for days.

“We were taken off to a cave deep in the mountains...just as we were finishing up we found this very thin little layer and it turned out to be from the end of the last Ice Age.

“It was the first time anyone had found evidence that old beyond mainland New Guinea. There are lots of sites in the islands much older than that now, but at the time it was very impressive, especially to a 22-year-old.

“Not long afterwards I was part of a big international *National Geographic* project on Pacific colonisation. We hired a sailing boat from Dick Smith and went cruising through the islands.

“I was by far the most junior person involved as a team leader. I took time out of my PhD...it was all pretty thrilling.”

Professor Lilley has recently reached several career milestones, including being elected a Fellow of the Society of Antiquaries of London, the UK’s second most ancient Royal scientific society, and becoming Secretary General of the ICOMOS International Committee on Archaeological Heritage Management.

ICOMOS is the statutory advisory body to UNESCO on cultural heritage.

“I remember two of my very senior colleagues being elected as Fellows of the Society of Antiquaries when I was doing my PhD. It was really quite a big deal and it’s been in the back of my mind since then as something that you aspire to,” he said.

In late 2007, Professor Lilley was chosen by ICOMOS to assess Papua New Guinea’s first World Heritage nomination, at Kuk in the highlands near Mt Hagen.

“Kuk is a site of immense importance because it demonstrates that people in New Guinea independently invented agriculture at the same time as people in the Middle East,” he said.

“Although I worked in PNG for many years, I was last in Mt Hagen when I was about nine-years-old, so it was a fascinating trip!”

Professor Lilley is currently working with his New Caledonian and French colleagues on two bilingual publications about Tiga, one in French and English, and the other in French and Maré, the language of Tiga.

He is also co-authoring a new book on Australian archaeology for Cambridge University Press.

// www.uq.edu.au/atsis



ADVANCEMENT OFFICE LOOKS TO THE FUTURE

The University of Queensland has entered a new era in community and corporate engagement by welcoming Clare Pullar as its first Pro Vice-Chancellor (Advancement). **By Cameron Pegg**

Ms Pullar joined the University in September after Vice-Chancellor Professor Paul Greenfield created the position to build UQ's long-term philanthropic vision.

She brings to UQ 20 years of experience in the higher education sector including leadership roles at Melbourne Business School and the University of Melbourne's Trinity College.

"Clare's advocacy across two decades has seen educational institutions and their communities directly benefit in numerous ways, and we want to generate the same sense of possibility and achievement at UQ," Professor Greenfield said.

"THERE'S MANY WAYS OUR ALUMNI AND COMMUNITY PARTNERS CAN BECOME INVOLVED WITH THE FUTURE OF THE UNIVERSITY AND IT'S IMPORTANT THAT WE START INVITING PEOPLE TO MAKE THIS HAPPEN"

During her time at Trinity, Ms Pullar successfully led a major capital raising campaign which included new scholarships to admit the college's first Indigenous students.

She said such projects illustrated the transformative nature of giving, with the college able to see its past, present and future through the prism of helping others.

In recognition of her achievements, Ms Pullar has received both the Trevor Wigney Award and the Peter Crook Award for outstanding service in Advancement in Australasian education.

Born in Scotland, Ms Pullar attended school in Victoria before studying at La Trobe University.

After completing a Bachelor of Arts majoring in philosophy and history and a Diploma of Education she commenced what would be her first fundraising challenge – helping a school in Goulburn out of debt to build new classrooms and facilities.

The ten-year project involved working closely with the local farming community to secure support during tough financial times.

Ms Pullar said she had been attracted to UQ by the Vice-Chancellor's vision and the commitment of the senior executive to make Advancement a priority in the long term.

"We're at a stage in UQ's history where we're launching into a second century which is going to be very different from the first," she said.

"This century is about being a university for a globalised world and tackling some of the very big issues requiring some very big ideas."

New UQ projects such as the Global Change Institute provided exciting opportunities to confront these challenges via collaboration, she said.

Ms Pullar said the University had benefited from major acts of philanthropy during its history, including a £55,000 donation by the Mayne family to establish the St Lucia campus in 1926.

More recently, groups such as Atlantic Philanthropies had set the agenda for fundraising by matching personal contributions with those from government and university sources.

Ms Pullar said it was now time for others to use their skills, networks and resources to help build UQ for future generations.

She said Australian universities could learn much from their Canadian counterparts, which have restructured their business models in

the past 15 years to include philanthropy as a viable funding source.

"We've seen them transform their higher education sector and the way that's happened is that they have turned their institutions into asking institutions. You've got to be bold and ask for help and ask for partnerships," she said.

Ms Pullar said building relationships was not a "one-way street" however, and UQ needed to better inform graduates about the opportunities on offer.

"I think the biggest opportunity for outreach to our alumni is the Centenary. During 2010 there are going to be many ways that we will engage with our community and invite their participation and involvement," she said.

"There will be opportunities for people to not just connect with part of the University that they're most familiar with, but to engage with some of the cutting edge thinking that has emerged since they were students here."

// www.uq.edu.au/centenary



ONLINE success

Graduate Contact is reaching a growing global audience after the successful launch of the magazine's own website.

The website, which includes all content from the hard copy version plus online extras such as podcasts and videos, went live in June to coincide with the Winter 2009 edition.

Since then, more than 14,000 page views have been recorded from readers in 95 different countries and territories. Among these are Iran, Palestine and Suriname – the smallest country in South America.

Australian users are recording the majority of hits, with those from the USA, UK, Singapore and Malaysia rounding out the top five.

Graduate Contact editor Cameron Pegg said he was pleased to see the diversity of UQ's alumni community reflected in the uptake of the website.

"We hoped this resource would appeal to graduates and readers around the world and this is proving to be the case," Mr Pegg said.

"Creating a custom-built website has been the biggest change in the magazine's 20-year history, and we are glad to see alumni getting behind the online version and making the most of its features."

Graduate Contact online stories are categorised with "tags" for easy searching, and are also open to comments. Readers can email articles of interest to others with the click of a button, and share them via social networking sites such as Facebook.

"We are very proud of the magazine, and the website means we can engage with a larger and more diverse audience," Mr Pegg said.

"We want the website to evolve with our readership, so I encourage alumni to log on and let us know their thoughts via the survey linked on the homepage."

All graduates with known e-mail addresses also receive an e-newsletter version of the magazine at the time of printing.

Following this special Centenary edition, the Summer 2010 *Graduate Contact* will be published in November as usual.

ONLINE // To receive the *Graduate Contact* e-newsletter, update your profile at www.alumni.uq.edu.au or www.uq.edu.au/graduatecontact



LEONARD CHAN

"CREATING A CUSTOM-BUILT WEBSITE HAS BEEN THE BIGGEST CHANGE IN THE MAGAZINE'S 20-YEAR HISTORY, AND WE ARE GLAD TO SEE ALUMNI GETTING BEHIND THE ONLINE VERSION AND MAKING THE MOST OF ITS FEATURES"

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CAMELS GET THE HUMP ON RIVALS

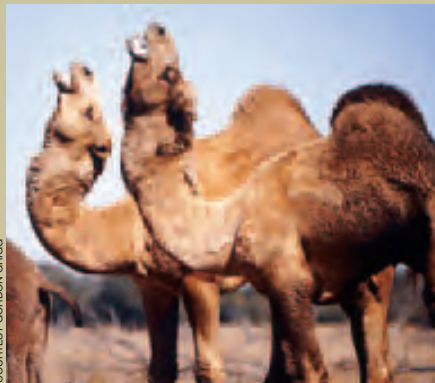
UQ research has found when it comes to camels, staying cool may be the key to reproductive success.

Emeritus Professor Gordon Grigg, from UQ's School of Biological Sciences, and a team of colleagues working in Central Australia, have found male camels have an ability to drop their body temperature which may help them last longer in rutting displays.

"Rutting involves very energetic daily display 'fighting' during which bulls contest ownership of a herd of females," Professor Grigg said.

"By starting each day cooler, a bull can postpone heat stress, compete for longer, win more contests and potentially sire more offspring."

He said the ability of camels to drop body temperature in the mornings, invoking hypothermia, was once thought to be only a mechanism for conserving water in very hot and dry conditions.



COURTESY GORDON GRIGG

"But what we saw cannot be for saving water as we saw it only in winter, only in bulls during rut and they had water freely available and used it routinely," he said.

"So we speculate that by lowering their minimum temperature each morning during rut, bulls increase their chance of winning a harem.

"By starting the day cool, a bull will enhance his capacity to store heat generated by the strenuous activity, thus prolonging the onset of heat stress.

"A bull that can sustain a contest for longer is more likely to win it and, so, control a herd of females and get more matings.

"That is, the daily hypothermias we observed could have a direct bearing on reproductive success."

Professor Grigg said the rutting habits of male camels were fascinating as competing bulls performed elaborate, ritualised and intense competitive behaviour including posing and strutting side-by-side, inflating and exposing the *dulaa* (a sac-like extension of the palate), jostling, exhibiting *flehmen* (curling the upper lip), running together and fighting.

Professor Grigg was joined by Jürgen Heuke and Birgit Döriges from the University of Braunschweig, veterinarian Jocelyn Coventry, cattleman Alex Coppock and School of Biological Science colleagues Lyn Beard and Simon Blomberg for the project. Their findings have been published online in scientific journal *Biology Letters*.

A national survey conducted by UQ researchers has found that the majority of same-sex attracted Australians reported marriage to be their personal preference for relationship recognition.

The findings dispel the myth that most same-sex couples do not wish to marry or are content with *de facto* status, and form part of the larger *Not So Private Lives* survey.



STOCKXCHNG

The study is the first national survey to investigate the relationship recognition preferences of same-sex attracted Australians since the introduction of *de facto* status for same-sex couples at a Federal level.

Findings showed that the majority (54.1 percent) of same-sex attracted participants selected marriage as their personal choice and close to 80 percent felt marriage should be an option for same-sex couples in Australia.

Researcher Sharon Dane, from UQ's School of Psychology, said marriage was still the personal choice of the majority, irrespective of the current legal status of participants' same-sex relationships.

"Importantly, the majority showing a personal preference for marriage was even more substantial among those currently in a state or municipal civil partnership or an overseas civil union," Ms Dane said.

"This suggests that alternatives to marriage, such as civil unions, can be important for those who do not wish to marry but are clearly not a substitute for the many who do."

// www.notsoprivatelives.com

BOTANICAL COLOGNE A BOTTLER

Ever wanted to bottle the fresh "green" aroma of a forest? UQ researcher Dr Nick Lavidis has done just that, launching a new "eau de grass" spray.

Serenascent, which smells like cut grass and claims to make the wearer happier and less stressed, was launched by the State Treasurer and Minister for Employment and Economic Development, Andrew Fraser.

Mr Fraser congratulated Dr Lavidis and retired pharmacologist Associate Professor Rosemarie Einstein for their seven-year research project.

Dr Lavidis said he first had the idea for Serenascent on a trip to Yosemite National Park in America more than 20 years ago.

"Three days in the park felt like a three-month holiday," he said.

"I didn't realise at the time that it was the actual combination of feel-good chemicals released by the pine trees, the lush vegetation and the cut grass that made me feel so relaxed.

"Years later my neighbour commented on the wonderful smell of cut grass after I had mowed the lawn and it all clicked into place."

Dr Lavidis said the aroma of Serenascent worked directly on the brain, in particular the emotional and memory parts known as the amygdala and the hippocampus.

"These two areas form the limbic system that controls the sympathetic nervous system," he said.

"They are responsible for the 'flight or fight' response and the endocrine system. The new spray appears to regulate these areas."

Serenascent can be purchased online.

// www.serenascent.com

STEWART GOULD



JEREMY PATTEN

DINO SORES

University of Queensland research is opening up a new insight into the lives of the mightiest of all dinosaurs, and it isn't pretty.

UQ palaeontologist Dr Steve Salisbury, together with American colleagues, has found *Tyrannosaurus rex* and its close relatives suffered from a deadly infectious disease similar to one that occurs in birds today.

Dr Salisbury said the evidence came from unnatural holes in the back of their lower jaws. The research has been published in scientific journal *PLoS ONE*.

"Some of the world's most famous *T. rex* specimens have these holes in their jaws, including 'Sue' at the Field Museum in Chicago," he said.

Dr Salisbury said tyrannosaurs were known to have marks on their heads from biting each other, presumably during territorial disputes or mating, but the holes he and his colleagues were interested in were at the back of the jaws, too far back to be bite marks.

"These holes don't show any of the normal characteristics of bite marks," he said.

"It's as if someone took to the jaws with a hot poker. Some specimens look like Swiss cheese.

"We now believe that these holes are caused by an infectious disease called trichomonosis."

He said trichomonosis was a modern avian disease caused by a parasite and is most prevalent in pigeons, which are generally immune.

"Birds of prey are particularly susceptible to trichomonosis if they eat infected pigeons," he said.

Dr Salisbury and fellow researchers Ewan Wolff, from the University of Wisconsin-Madison and Jack Horner and David Varricchio from Montana State University, examined many *T. rex* fossils as part of their study including 'Sue', the most famous and complete specimen of all.



CHRIS GLEN

Dr Salisbury said the link in disease was not surprising given the evolutionary relationship of dinosaurs to birds, but the discovery represented a major step forward in understanding of disease history in birds and their dinosaurian precursors.

Dr Salisbury said the disease appeared to be quite common in tyrannosaurs and would have been deadly to those that were infected.

"Fighting and specifically head-biting would have been an ideal mechanism for spreading the disease among tyrannosaurs. We can see similarities with what has been happening to Tasmanian devils recently, where a malignant and debilitating oral cancer is being spread by animals fighting and biting each other's faces," he said.

GREEN BOOST

UQ PhD candidate and nutritionist Christine Houghton is investigating whether broccoli could help in the fight against diabetes.

Ms Houghton's research focuses on sulforaphane – a substance produced when broccoli sprouts are cut or chewed that has been found to protect against heart disease, some types of cancers and act as an anti-ageing agent.

"Sulforaphane essentially talks to the DNA within your cells and can help to optimise several of your body's natural defence systems," Ms Houghton said.

"Studies have found that sulforaphane influences about 200 genes of the cell's defence system.

"Regular consumption of broccoli or broccoli sprouts is a simple way to activate your body's own protective mechanisms which naturally decline as we age or are unwell."

Ms Houghton is currently trying to find out exactly how much sulforaphane is produced in 500mg of encapsulated broccoli sprout powder.

Using this product, she hopes to start a clinical trial this year for patients with impaired glucose tolerance.

"Evidence in in vitro and animal studies indicates that sulforaphane can reduce the complications of diabetes, with improved biochemical markers evident," Ms Houghton said.

Ms Houghton is completing her PhD through the School of Human Movement Studies, and discussed the potential health benefits of sulforaphane at the 2009 Australasian Academy of Anti-Ageing Medicine Conference in Melbourne.



STOCKXCHNG

ISLAND RESIDENCY INSPIRES EXHIBITION

A new form of scientific collaboration was unveiled at UQ when Indigenous artist Judy Watson exhibited her latest works in October.

Ms Watson was artist-in-residence at the Heron Island Research Station in February 2009, her visit coinciding with the official reopening of the facility, which was destroyed by fire in 2007.

Staged at the UQ Art Museum, *Judy Watson: Heron Island* explored findings made by scientists the artist met during the residency and featured graphs about ocean acidification, changes to sea-surface temperature, El Niño weather patterns and global warming.

"Watson turned her attention to what scientists are saying is happening in the marine environment, with works ranging from an extraordinary 'freshwater lens' – a large blue-green brass sculpture suspended in the gallery space – to a series of brilliantly coloured

etchings, paintings, works on paper, video and a sound work," museum Director Nick Mitzewich said.

The exhibition built on previous projects, particularly the Indigenous use of native plants, but also the idea of a subterranean water source.

"I was fascinated by the idea of a lens-shaped body of fresh water that lies beneath the coral cay above the salt water, the fresh water helping to sustain the plant life and the island ecology," Ms Watson said.

"The freshwater lens is an amazing resource, whose purity is threatened by rising sea levels and storm surges, so even though it's something you can't actually see, I decided it would be the perfect floating sculptural form."

ONLINE // To view a behind the scenes video of the exhibition, visit www.uq.edu.au/graduatecontact



Images courtesy UQ Art Museum

Natural beauty (clockwise from above): manta, Heron Island number 13 and freshwater lens maquette



Singled out for success

UQ has received two prestigious new national fellowships, targeting research into coral reef management and an alternative to antibiotics.

UQ's Australian Laureate Fellowships are among only 15 selected from a nationwide field of 148, and are the only fellowships awarded to a Queensland university.

One of the University's fellows, Professor Peter Mumby of the United Kingdom, is the sole expert to be attracted to Australia under the "foreign nationals" category of the scheme.

Professor Mumby and Professor Jenny Martin, of UQ's Institute for Molecular Bioscience, will each receive a major package of grant support, with average funding exceeding \$2.7 million over five years for each successful fellow.

Professor Martin (pictured), will aim to develop a new class of antibacterial drugs that may avoid the problems of antibiotic resistance.

"Bacteria develop resistance because antibiotics work by killing most bacteria, leaving only the resistant bacteria alive," Professor Martin said.

"My research will address this by developing compounds that won't kill bacteria, but rather will inactivate a specific bacterial machinery responsible for causing disease."

She said bacteria caused disease by producing molecules called virulence factors, which required a type of chemical bond known as disulfide bonds to function.

Professor Martin will develop drugs targeting the bacterial machinery that triggers the insertion of disulfide bonds into virulence factors.

"Infectious bacteria with mutations in their disulfide bond machinery are incapable of causing disease, highlighting the importance of this machinery in bacterial virulence, and the potential to develop an entirely new class of antibacterials that may avoid bacterial resistance mechanisms," she said.

Professor Mumby's research, which sits at the interface of remote sensing and ecology, has wide-ranging applications to the conservation of natural resources.



CHRIS STRACEY



STEWART GOULD

Funding for the future: (from left) Helga Feeney, Charles Feeney, Queensland Premier Anna Bligh and UQ Vice-Chancellor Professor Paul Greenfield at the funding announcement

Historic funding secured

Australia will have a stronger role in global efforts to address major diseases such as cancer and diabetes following a \$50 million gift, the biggest donation of its kind in the nation's history.

The gift is a Founding Chairman's grant from The Atlantic Philanthropies to the \$354 million Translational Research Institute Queensland in Brisbane.

TRI Queensland will enhance and accelerate the translation of medical research breakthroughs into better patient care.

It is the largest ever gift from a non-government source to a single Australian medical research/higher education institute.

Atlantic's founder, Mr Charles F. Feeney, was instrumental in encouraging a co-ordinated approach to the project, which also has funds from the Queensland and Australian Governments, UQ and the Queensland University of Technology (QUT).

Mr Feeney, who shuns the limelight and never seeks thanks for his generosity, made a rare public appearance in Brisbane when Queensland Premier Anna Bligh and Federal Treasurer Wayne Swan announced Atlantic's gift in July.

Paying tribute to his late friend Ken Fletcher, a tennis star who introduced him to Queensland and Australia in the 1990s, Mr Feeney said: "I can't think of any place in the world where I have made such good, honest friends."

TRI Queensland Chairman, Dr David Watson, praised Atlantic's unprecedented gift, which crowned more than three

years of fundraising efforts. "This is a great day for Queensland and a great day for Australia," he said.

TRI Queensland will be built at the Princess Alexandra Hospital (PAH, a UQ teaching hospital) by a joint venture comprising UQ, QUT, PAH, the Mater Medical Research Institute and the Queensland Government.

Eventually housing more than 700 researchers, it will be an Australian first, and one of only a few places in the world where new biopharmaceuticals and treatments can be discovered, produced, clinically tested, and manufactured in one location.

Atlantic's contribution is part of a \$102 million parcel for Brisbane-based research, unveiled together. The other gifts are \$27.5 million for the Queensland Institute of Medical Research's Smart State Medical Research Centre, and \$25 million towards QUT's Hub for Sustainable and Secure Infrastructure.

Total value of the three projects exceeds \$700 million.

"I CAN'T THINK OF ANY PLACE IN THE WORLD WHERE I HAVE MADE SUCH GOOD, HONEST FRIENDS"



NSCAPE PHOTOGRAPHY

Professor Helen Chenery and Professor Alan Rix mark 10 successful years of UQ Ipswich

IPSWICH anniversary

UQ Ipswich celebrated its 10th anniversary in 2009 with a special event which also launched the teaching of medicine at the campus.

Guests at the July event included Her Excellency Dr Penelope Wensley AO, Governor of Queensland.

Pro-Vice-Chancellor Professor Alan Rix said the opening of the UQ Ipswich campus in 1999 signalled a new era in higher education in Queensland.

"The campus was born out of the University's support for long-term growth in South-east Queensland's western corridor," he said.

"It blends the best elements of the old and the new, with 19th century heritage buildings sensitively rehabilitated to accommodate 21st century technology, new courses and student-centred learning."

Professor Rix said today's UQ Ipswich students were able to study in arts, business, human services and increasingly health, all with choices of specialisation.

"A cohort of first-year Bachelor of

Medicine/Bachelor of Surgery students are now based at the campus, along with students in nursing, midwifery, health sciences and dietetics who are using the campus's growing range of teaching facilities and clinics in health," he said.

Professor Rix said that while UQ celebrated its past, it was always looking towards the future.

"Plans for two new lecture theatres are being finalised. Specialised health teaching facilities will also be further developed on campus, including the new GP Super Clinic recently announced by the Federal Government," he said.

"A University college is proposed in 2011 to offer associate degree courses. The college will use the facilities of UQ Ipswich while teaching independent courses."

Professor Rix said UQ Ipswich would work closely with Bremer State High School and Education Queensland following the announcement that the State Government had decided to relocate the school next to UQ Ipswich.

// www.uq.edu.au/ipswich

EXCITING TIMES for UQ medicine

Student places at the new UQ Ipswich medical school are expected to be in demand due to the boutique nature of the educational experience, Head of the School of Medicine, Professor David Wilkinson said.

The Ipswich medical school was launched by Her Excellency Dr Penelope Wensley AO, in conjunction with the celebration of the 10th anniversary of the UQ Ipswich campus. The first student cohort commenced their studies in 2009.

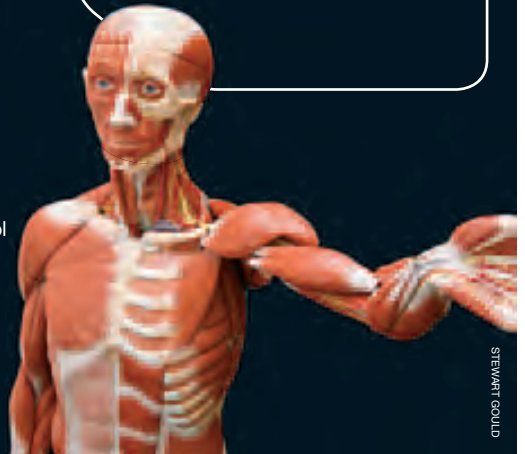
Professor Wilkinson said positive feedback being received about the four-year degree was an indication the new study option would be in demand.

"What has been created and will be maintained is a boutique medical education experience," he said.

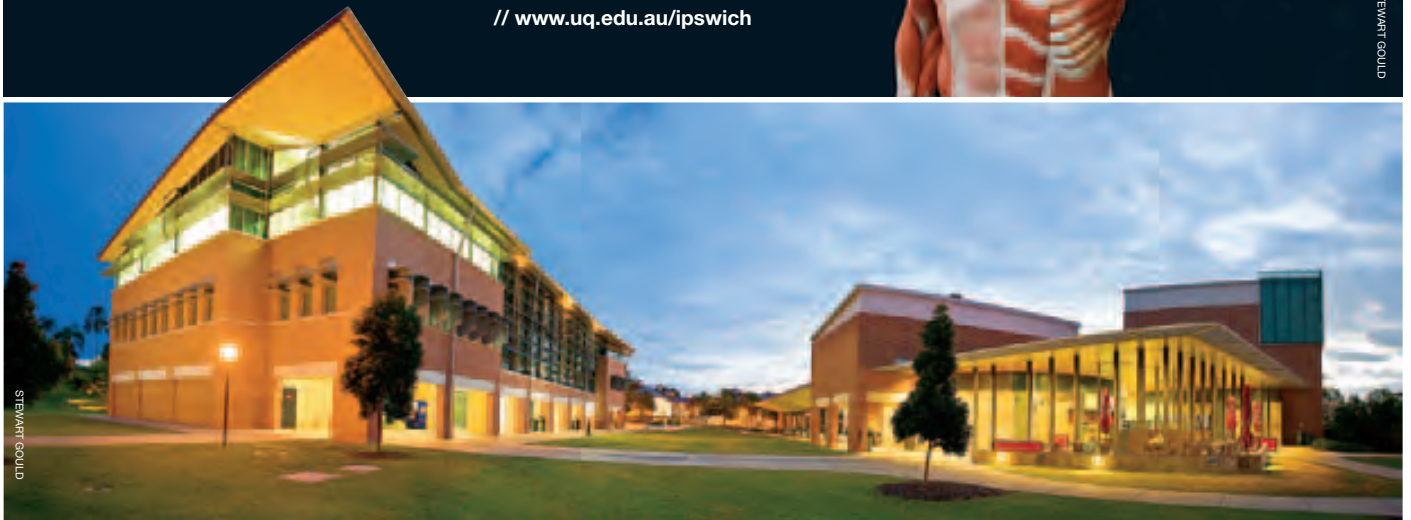
Research had shown that medical students who experienced clinical practice in a rural or regional setting were more likely to remain working in those areas after graduation, so the new teaching node would also help alleviate the national doctor shortage.

"Students will also benefit from the establishment of a GP Super Clinic on campus, which will offer increased opportunities for clinical experience," Professor Wilkinson said.

// www.som.uq.edu.au



STEWART GOULD



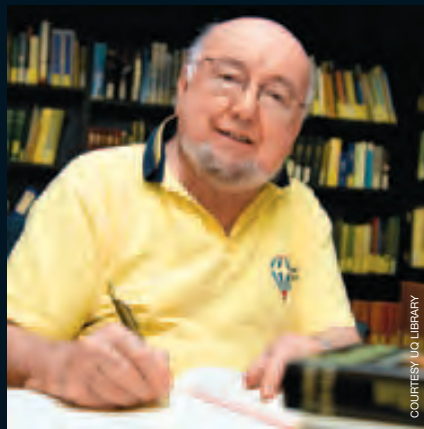
STEWART GOULD

SCHINDLER'S ARK AUTHOR VISITS ST LUCIA

More than 200 people attended a free public lecture by Australian literary legend and UQ honorary doctorate recipient Thomas Keneally as part of a page-turning program at the 2009 Brisbane Writers Festival.

The University was again a major sponsor of the festival, and presented multiple sessions exploring issues ranging from the global financial meltdown, to saving the world's rainforests and reviving dying languages. UQ's Fryer Library contains a significant body of Mr Keneally's work including several of his early manuscripts.

Canadian author Andrew Westoll joined UQ ecologists Professor Hugh Possingham and Dr James Watson at the State Library for "Tropical forests on the brink: can we save them?".



COURTESY UQ LIBRARY

Mr Westoll's travel memoir *The Riverbones* was published by UQP (see page 38), and documents the shrinking forests of Suriname in South America.

Other events included "The Urban Revolution" at GoMA chaired by UQ Vice-Chancellor Professor Paul Greenfield and "Reporting Islam: Representation and Reality", hosted by the School of Journalism and Communication.



JEREMY PATTER

Professor Emeritus Brian Wilson at the front of the UQ Art Museum

UNIQUEST'S SILVER CELEBRATION

Former UQ Vice-Chancellor, Professor Brian Wilson AO, recently returned to Brisbane to discover an investment he made in the mid-80s has well and truly paid off.

Professor Wilson, who served as UQ's Vice-Chancellor from 1979–1995, visited South-east Queensland to celebrate the silver anniversary of UniQuest Pty Limited, UQ's main commercialisation company.

Professor Wilson was instrumental in the development of UniQuest, as it was his vision during the 1980s that helped the company become one of Australia's largest and most successful university commercialisation groups. Sales of products based in UQ technology and licensed by UniQuest are now running at \$5.24 billion per year.

"The overall results, after these 25 years of collaboration are remarkable, reflecting the application of professional and academic staff and the dedication of board members and University administrators," Professor Wilson said.

At the time of his retirement in 1995, then Chancellor Sir Llew Edwards said Professor Wilson provided outstanding leadership

which was central to the development of the University.

"During the Wilson years, the University has strengthened its position as Queensland's premier institution and also earned its place among the national leaders," Sir Llew said.

After retiring, Professor Wilson has been living in the South of France with his wife, distinguished immunologist and former UQ staff member Dr Joan Opdebeeck, and twin sons Cormac and Fergus who were just 15-months-old when he retired.

His eldest son, Conor, has since commenced tertiary studies at Cambridge University.

Since retirement, Professor Wilson proudly claims that he has enjoyed being a father.

As UQ celebrates its Centenary year, Professor Wilson joins the many dedicated people who have contributed to not only the success of UQ, but to local, national and global communities.

Professor Wilson's special 100-year birthday message to UQ alumni, staff and students can be viewed at the Centenary webpage.

// www.uq.edu.au/centenary

STEWART GOULD



EARTH CREATIONS BRINGS CHRISTIAN ART TO LIFE

While not an avid churchgoer himself, 81-year-old artist Leonard French has drawn upon Christian symbolism to inspire a new painting for St John's residential college at UQ.

Commissioned by the St John's College Council, *Earth Creations* (pictured), is a commemorative piece marking the jubilee celebration of the college's relocation from its original site at Kangaroo point to the St Lucia campus in 1956.

"I think the Christian imagery – the fish,

the birds – for an artist, it's fantastic. You've got a ready made story," Mr French said.

The work, which has been installed in the St John's chapel, is comprised of three sections – the base features three turtles coming out of the earth, the middle panel depicts salmon swimming up and downstream, and the top portrays three doves.

Earth Creations was hung in the St John's chapel by the UQ Art Museum installation team.



UQ'S OLDEST LIVING BLUE TO ATTEND DINNER

In 1836, students from Cambridge and Oxford universities competed in a boat race that inspired the varsity tradition and the awarding of exceptional athletes with a "Blue".

It is these grand achievements that UQ celebrates every year at the UQ Annual Blues and Sports Awards Dinner, with the 2010 event also recognising the achievements of Graeme Wilson, the University's oldest living Blue.

An outstanding hurdler and all-round sportsman, Mr Wilson entered University in 1936, a time where sandstone walls were a thing of the future and no sporting facilities existed.

Despite having no formal athletics training, he was awarded a Blue in 1936 and captained an elite Australian universities team to New Zealand in 1939.

Seventy years on, UQ is still producing athletes of the highest calibre. Chosen to carry the Australian flag at the 2009 World University Games in Serbia, water polo player Robert Maitland proudly led the 184 Australians who competed at the international sporting meet, as Mr Wilson did in 1939.

On March 19, UQ will celebrate past and present sporting talent at the Blues awards dinner at Hillstone, St Lucia. The University extends an invitation to all who have played a part in UQ's sporting history to be part of the occasion.

Keeping this tradition alive, UQ Sport is committed to maintaining contact with past and present athletes. Those wishing to attend the dinner or update their sporting records can contact Danielle Stein on (07) 3365 8205 or email blues@uqs.com.au

// www.uqsport.edu.au



COURTESY SJC

Journalism student Jillian Poulsen in one of the new radio studios

JAC RADIO GIVES STUDENTS VOICE

The UQ community is enjoying tuning in to its own digital radio station after a successful launch by the School of Journalism and Communication (SJC) last year.

JACradio is run entirely by students and based at St Lucia, broadcasting 24 hours a day, seven days a week.

Participating students have been trained in broadcasting by UQ Industry Consultant Anthony Frangi and a team of SJC academic and industry staff.

Mr Frangi has managed and programmed radio stations for the ABC in Queensland, Victoria, Western Australia and Tasmania, and currently shares the role of Program Director at 612 ABC Brisbane.

He said students had "shaped and built JACradio from the ground up".

"JACradio allows our journalism students to sharpen their skills in news writing, interviewing and presentation before entering the workforce," Mr Frangi said.

"It is distinctly non-commercial, providing university students with a special brand of programming targeting the 18-24 age group, but also embraces others who share similar tastes."

SJC Head Professor Michael Bromley said the station was broadcast from the school's new home in the Joyce Ackroyd Building, which includes state-of-the-art production facilities and the latest audio digital editing software.

"Our school believes in the future and wants to equip our students for the uncertain but exciting times ahead," Professor Bromley said.

// www.jacradio.com.au

INSTITUTE STRENGTHENS TIES WITH CHINA

The University of Queensland has established the nation's first Confucius Institute focusing on China's contributions to the advancement of science, engineering and technology.

UQ formalised the partnership with Tianjin University on October 2 – one day after the 60th anniversary of the People's Republic of China.

UQ Vice-Chancellor Professor Paul Greenfield and Chairman of the Tianjin University Administrative Council Professor Liu Jianping (pictured), signed the agreement on behalf of their respective universities at UQ's St Lucia campus.

Inaugural Director, Professor Ping Chen, said the UQ Confucius Institute would strengthen education and research cooperation between Australia and China, particularly in the fields of language, culture, science, engineering and technology.

"It will be a gateway to Chinese language and culture, and a gateway to China for UQ students and staff, and for the broader community," Professor Chen said.

The UQ Confucius Institute will aim to generate increased interest in Chinese studies by Australian students, and strengthen science, engineering and technology linkages.

Activities will include promoting exchange between UQ staff and students



JEREMY PATTEN

with Chinese universities, hosting visiting researchers and scholars, and arranging high-level delegations and connections with Chinese universities, research institutions, governments and corporations.

The institute will be situated within the Faculty of Arts at St Lucia, and will also involve the Faculties of Science and Engineering, Architecture and Information Technology.

Jellyfish JOYRIDE

OVER-FISHING AND POLLUTION ARE FUELLING EXPLODING JELLYFISH POPULATIONS, WHICH COULD HAVE DEVASTATING CONSEQUENCES FOR THE WORLD'S OCEANS.

Early action could be crucial to addressing the problem of major increases in jellyfish numbers, which appears to be the result of human activities.

New research led by UQ and CSIRO scientist Dr Anthony Richardson presents convincing evidence that this population boom is associated with over-fishing and excess nutrients from fertilisers and sewage.

"Dense jellyfish aggregations can be a natural feature of healthy ocean ecosystems, but a clear picture is now emerging of more severe and frequent jellyfish outbreaks worldwide," Dr Richardson, of UQ's School of Mathematics and Physics, said.

"In recent years, jellyfish blooms have been recorded in the Mediterranean, the Gulf of Mexico, the Black and Caspian Seas, the Northeast US coast, and particularly in Far East coastal waters.

"The most dramatic have been the outbreaks in the Sea of Japan involving the gargantuan Nomura jellyfish which can

grow up to two metres in diameter and weigh 200 kilograms."

The new research, by Dr Richardson and colleagues at the University of Miami, Swansea University and the University of the Western Cape, was published in the international journal *Trends in Ecology and Evolution* in time for World Oceans Day in June.

"Fish normally keep jellyfish in check through competition and predation but overfishing can destroy that balance," Dr Richardson said.

"Mounting evidence suggests that open ocean ecosystems can flip from being dominated by fish, to being dominated by jellyfish.

"This would have lasting ecological, economic and social consequences.

"We need to start managing the marine environment in a holistic and precautionary way to prevent more examples of what could be termed a 'jellyfish joyride'."

// www.cell.com/cellpress/trends



J. COLLINS

Clean living

Coral reef cleaner fish that live off parasites use the power of colour to protect themselves and attract potential clients.

Even parasite-eating fish recognise the benefits of good advertising, UQ research has found.

Dr Karen Cheney and Professor Justin Marshall, along with colleagues from the School of Biological Sciences, found cleaner fish – which are in the business of removing parasites from larger reef fish – used colour to catch the attention of potential clients.

Published online in scientific journal *Current Biology*, their study showed how cleaner fish had evolved a specific advertising signal involving a blue and yellow colouration, combined with conspicuous stripes.

"A combination of colour and pattern is an important component of cleaner signals and helps attract client species to cleaning stations," Professor Marshall said.

Cleaner fish operate out of cleaning

stations, usually found among the rocks and seagrass of the reef. By using visual models, the researchers were able to "look through the eyes of potential clients".

"We were actually able to see what message the cleaner fish is sending from the perspective of the client," Professor Marshall said.

"We measured the visual response of three coral reef fish: the barracuda, the UV-sensitive planktivorous damselfish and the herbivorous surgeonfish.

"For all three visual systems, blue categories were the most contrasting colours against an average coral background, and yellow is the most contrasting colour against a blue water background.



COURTESY JUSTIN MARSHALL

"Therefore, blue and yellow appears to be the most conspicuous colours when signaling to potential clients."

Using behavioural trials, the researchers also showed reef fish were more likely to visit cleaners whose bodies contained blue patterns.

"We tested the response of wild client fish to seven fish models made from resin and painted with a range of colours and patterns," Professor Marshall said.

Reef fish – which ordinarily would eat the smaller cleaner fish – swim up and pose in a way which indicates they are ready for cleaning.

"The reef fish needs to be cleaned and the cleaner fish needs to eat the parasites in order to survive, so there's a mutually beneficial relationship that exists between the cleaner and the host," Professor Marshall said.

"What we think the cleaner fish are saying – with colour – is that they have a service to offer. What we've managed to do is decode the language of the club."

Professor Marshall and Dr Cheney are

also co-authors of a paper featured on the cover of the *Journal of Experimental Biology*. The study found *Elacatinus gobies*, a species of cleaner fish found in the Caribbean, had developed blue and yellow stripes so they stood out to passing reef fish.

"Yellow and blue are the two colours which transmit best in the ocean," Professor Marshall said.



Dugong dash

UQ AND SEA WORLD SCIENTISTS TOOK TO MORETON BAY LAST YEAR FOR A UNIQUE PROJECT TO DISCOVER MORE ABOUT A MARINE MAMMAL'S SECRETS.

By Andrew Dunne

Biologists from UQ have teamed up with Sea World and Sydney Aquarium to assess the health and reproductive status of wild dugongs in Moreton Bay.

Leader of the UQ Dugong Research Team Dr Janet Lanyon (pictured top right), said determining reproductive status of individuals was one of the most important factors for population modelling and effective management of a vulnerable species.

"Once we understand seasonality and timing of reproductive patterns, we will be able to develop useful models of population dynamics for vulnerable dugongs," Dr Lanyon said.

"Assessing the health of these animals is a valuable tool in determining the fitness of wildlife populations, and marine mammals such as dugongs may be used as sentinels for emerging threats to coastal seagrass ecosystems."

The team of researchers completed field research in Moreton Bay last May, sampling a

selection of dugongs that was representative of both sexes and from adult, sub-adult and juvenile size classes. Over seven days the group took approximately 30–40 minutes to sample each animal.

Researchers collect blood to look at haematology, blood biochemistry, immune factors as well as screen for disease. Urine and faecal samples are also collected to be cultured for microbes and screened for parasites and disease.

Dr Lanyon said blood and urine sampled from this study were important because it had been shown to represent active circulating hormone levels in other species.

As well as collecting samples, comprehensive medical examinations by biologists and vets were carried out to assess the body condition of the animals, including girth and weight measurements.

"The hormone data will be used along with gender, body size and social

association data gathered during mark-recapture studies, to determine the reproductive status of individual dugongs," Dr Lanyon said.

Sea World Director of Marine Sciences Trevor Long said the sampling involved lifting wild dugongs out of the water using a specially designed stretcher to hoist the animals from the water on to the deck of research vessel Sea World One.

"This is a very exciting study, and allows us to capture data that will help to establish reference blood parameters for the species," Mr Long said.

"Along with Sydney Aquarium, a partnership with dugong experts such as Dr Lanyon and The University of Queensland is an ongoing priority for Sea World."

ONLINE // To view a video of the UQ Dugong Research Team at work, visit www.uq.edu.au/graduatecontact

"MARINE MAMMALS SUCH AS DUGONGS MAY BE USED AS SENTINELS FOR EMERGING THREATS TO COASTAL SEAGRASS ECOSYSTEMS"



Rush se theatre's

Acting royalty: Geoffrey Rush as King Berenger in the original Australian production of *Exit the King*, and opposite, at the renaming of the UQ Cement Box Theatre foyer in his honour in 2005

Last year Geoffrey Rush joined an elite group when he added a Tony award to his previous Oscar and Emmy wins. In this special feature, award-winning arts critic Allison Croggan details Rush's evolution from a drama student at The University of Queensland to his position today as one of the world's most versatile actors.

cures triple crown

When Geoffrey Rush won a Tony award for his Broadway performance in Eugene Ionesco's *Exit the King* in June, he was anointed as acting royalty. He is one of only 16 actors – and the first Australian – to win the so-called triple crown: an Oscar, an Emmy and a Tony.

The triple crown means mastery in three media: film, television and stage. In 1953, Thomas Mitchell, best known for his role as Scarlett O'Hara's father in *Gone with the Wind*, was the first actor to put all three trophies on his mantelpiece, and since then triple crowners have included Paul Scofield, Vanessa Redgrave, Ingrid Bergman, Maggie Smith and Al Pacino. This puts Rush in some distinguished company.

It is the culmination of a career that, after its achievements, is striking in its modesty. For all his fame and multiple honours, Rush has always been an actor first.

Unlike Russell Crowe or Nicole Kidman, Rush has never embraced the celebrity circus of Hollywood. He lives in Melbourne with his wife, actress Jane Menelaus and their two children. Of our internationally celebrated home boys and girls, Rush is perhaps most like Cate Blanchett. Perhaps this isn't surprising; Rush picked Blanchett to co-star with him in David Mamet's *Oleanna*, her first big stage role, recognising her luminous talent when she had barely graduated. They are actors who have never forgotten their theatrical roots and who, perhaps for this reason, display a virtuosic versatility in their work, with movie performances ranging from serious roles to outrageous popcorn villains.

Rush's over-the-top swashbuckling as Captain Barbossa in the box-office smash *Pirates of the Caribbean* guaranteed his hero status to a generation of 10-year-old boys.

But what made his international reputation were his portrayals of sensitive, disturbed men on the brink of sanity: his Peter Sellers in *The Life and Death of Peter Sellers*, the marquis de Sade in *Quills* (which garnered him an Oscar nomination) and his Oscar-winning role as pianist David Helfgott in *Shine*.

These roles demonstrate Rush's meticulous attention to detail, a clue to his versatility and the kinds of depth he can bring even to a part such as Barbossa, surely one of the most charismatic villains on the contemporary screen. For the role of Helfgott, for example, he befriended the pianist and closely studied his speech and mannerisms for years.

Rush brings to these roles a lot more than virtuosic skill, although he has plenty of that. He suffered a breakdown in 1992 from overwork and anxieties over his career, and there's little doubt this experience feeds into the emotional complexities of the characters he creates. International fame came late.

Until he won the 1996 best actor Oscar for his role in *Shine*, prompting an avalanche of praised film roles, Rush was simply one of the best stage actors in Australia.

It is this background that generates the richness of his screen roles. He was born in 1951 in Toowoomba, Queensland, and took an arts degree at The University of Queensland. He was talent-spotted in a university revue by the Queensland Theatre Company, where he began his theatre career. He made his debut in 1971 in a QTC production of *Wrong Side of the Moon*. He worked with the company for four years, appearing in roles ranging across classical plays to pantomime, from *Juno and the Paycock* to *Hamlet on Ice*.

After that he followed a trail trod by many Australian actors and travelled to Paris, where he studied with famed acting teacher Jacques Le Coq for two years, developing his clowning and mime skills. When Rush returned to Australia he began his theatre career in earnest, becoming one of the leading figures in Australian theatre on and off the stage.

In the following years he starred in a variety of plays, most famously with Mel Gibson in *Waiting for Godot*.

“UNTIL HE WON THE 1996 BEST ACTOR OSCAR FOR HIS ROLE IN *SHINE*, PROMPTING AN AVALANCHE OF PRAISED FILM ROLES, RUSH WAS SIMPLY ONE OF THE BEST STAGE ACTORS IN AUSTRALIA”

In 1981 he joined Jim Sharman's Lighthouse troupe, an ensemble of outstanding actors that premiered radical interpretations of classics and new works by Patrick White, Louis Nowra and Stephen Sewell.

When the Lighthouse foundered, he was one of the syndicate members who bought the Belvoir St Theatre, then fallen on hard times with the folding of the Nimrod, and was, with Neil Armfield, one of the founding members of Company B. In the mid-80s he also directed Adelaide's Magpie Theatre for Young People, where he directed and starred in the hit play *The Small Poppies*.



KATHLEEN BIGGS

Rush played a brilliant John Worthing in Simon Phillips's celebrated 1988 production of *The Importance of Being Earnest*, in which he co-starred with his new wife, Menelaus. The play was effectively their honeymoon and, as he famously said, he got to propose to his wife each night and was paid for it.

Rush's collaboration with Armfield, which culminated in his award-winning performance as King Berenger in *Exit the King*, has produced some of his most lauded stage roles. Memorable among many remarkable performances are his roles in productions of works by Russian writer Nikolai Gogol. In Armfield's 1989 production of Gogol's *Diary of a Madman*, Rush played the downtrodden and comically deluded clerk Poprishchin.

Rush's entrance on stage in an improbably high red wig was one of the great moments in Australian theatre. Armfield and Rush followed up with a carnivalesque production of Gogol's *The Government Inspector*.

It's easy to see how this collaboration, which demonstrated that Rush is one of the greatest theatre clowns working today, led to his Tony-award winning performance as King Berenger in Armfield's production of *Exit the King*. A co-production between Company B and Malthouse Theatre, the show began life in the workshops of the Malthouse in Melbourne, with a new translation nipped out by Armfield and Rush. It received rave reviews in its Melbourne and Sydney seasons, but Ionesco's existential comedy seems an unlikely Broadway hit. The central theme is, after all, death.

However, Rush's role as the egocentric 400-year-old king who refuses to die exploits his considerable capacities as a clown and, just as crucially, his ability to explore the darker regions of the human psyche.

The final 10 minutes of *Exit the King*, in which Berenger's world gradually vanishes around him as he enters the final kingdom of death, is some of the most powerful theatre I've seen. It's the kind that makes you hold your breath with a joy that's like anguish.

Anyone who has seen Rush on stage will know he is first of all an animal of the theatre, at his best at play in his natural habitat. And the Tony, the final jewel in Rush's crown, is perhaps the award that most justly reflects his talent.

Article reproduced courtesy *The Australian*

UQ CELEBRATES ITS CENTENARY

www.uq.edu.au/centenary



Looking forward: Vice-Chancellor Professor Paul Greenfield with UQ students Cameron Turner and Rebecca Martens outside the iconic Great Court

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YEARS AHEAD

Centenary Messages

The poet John Mansfield wrote: "There are few earthly things more beautiful than a university." Whenever I think of The University of Queensland, it is with a very special affection and respect, deep in my heart.

UQ has been a part of my life since I was 17. I still remember how I felt as I stood in my white dress, black gown and mortar board on the day I matriculated – the only one from my small year 12 to be there. I had a sense then of what noble portals I was entering, and it never left me in those halcyon student days.

In 1960, my first year, everybody knew everybody, and we made what would become lifelong friendships. We were a generation who went to university on Commonwealth Scholarships, truly fortunate to have the time to read and think, to sit in the refec talking about Plato or Keats or Kennedy. We had the luxury of learning, and consequently we have a great responsibility to give back. On graduating in law, I set off, as we all did in those days, for Europe.

When I returned in 1968, I was given an opportunity to teach in the Law School that had taught me so much. At first I was the only woman on the staff. I loved every minute of my teaching, my students so eager and engaging, my wonderful colleagues, many of them active in legal and social reform.

I always lived close to St Lucia. The magnificent sandstone buildings and the



CHRIS STACEY

QUENTIN BRYCE GOVERNOR-GENERAL

yearly bloom of vivid jacarandas were the backdrop of my young family's life. Picnics by the lakes, going to Campus Kindy, were essential experiences in their growing up.

These days, when I walk through the quad, memories flood back even as I take in the University's remarkable evolution. The art gallery, the world-class research institutes, the partnerships with business and industry make me feel very proud of my *alma mater*.

The ethos I fell in love with in 1960 is still there: an unswerving value for learning, scholarship, reflection and human wisdom. UQ remains a place for elevated thinking, where students discover themselves and their world, where teachers inspire them to engage with society in thoughtful, articulate and ethical ways.

I am so thankful for everything UQ has given me across half of its life, and five decades of mine. With all its alumni, I acknowledge its Centenary year in 2010 with pride, gratitude and love.

Australia's first female Governor-General, Her Excellency Ms Quentin Bryce AC, graduated from UQ with a Bachelor of Arts in 1962 and a Bachelor of Laws in 1965. Ms Bryce has made many contributions to human rights and equality, the rights of women and children, and the welfare of the family throughout her distinguished career.

It was the end of February in 1959 when I arrived in Brisbane from Hong Kong. I visited the St Lucia campus with a few of my friends one Sunday afternoon after we had been accepted into our first year of medicine at UQ.

The architecture both impressed and delighted us; the modern and yet ancient style, the many sandstone columns with grotesques, motifs and the crests of universities and colleges from around the world. It was most unexpected, given we were in Queensland, Australia, and at the time the University had not even turned 50.

Most of my first year was spent at St Lucia, constantly moving amongst the blend of modern and ancient architecture, from one lecture hall to another, learning about various subjects. By the end of each day I was exhausted.

Adding to the physical and mental exhaustion was the complexity of the Australian idiom. The language barrier was quite an obstacle, and I must confess, I spent a great deal of time merely copying my English-speaking friends' notes with little comprehension of what I was writing.

But after six years of studying at UQ and working in hospitals as part of my medicine program, I was able to meet many locals, and great friendships were formed. Although,

to this day there are still some Australian sayings that I just do not understand.

It wasn't all study, and the University and the Brisbane community gave me the opportunity to continue my lifelong passion for both kung fu and the Arts – this to some is an interesting combination. I was also the founding President of the Hong Kong Overseas Students Association of The University of Queensland, and we organised many social functions, and fundraising activities for various charities.

My relationship with the University has continued well after my graduation. I still have many friends from my study days, and I am now the Patron of the Hong Kong UQ Alumni Association.

I am proud to say I am a graduate of UQ, and congratulate the University on its 100-year milestone. I wish the staff and students all the very best for the next 100 years.

Dr Natalis Yuen graduated in medicine from UQ in 1965 and was awarded a UQ Honorary Doctor of Medicine in 1995. He is an Honorary Fellow of the Royal Australian College of General Practitioners, a great grandmaster of kung fu and an accomplished calligrapher. In 1994, the Nat Yuen Collection of Chinese antiquities was kindly gifted to The University of Queensland.



CHRIS STACEY

DR NAT YUEN UQ ALUMNUS AND BENEFACTOR

UQ THROUGH THE YEARS



On December 10, 1909, The University of Queensland was established by an Act of State Parliament to commemorate the 50th anniversary of Queensland's separation from the colony of New South Wales.

Since this day, UQ has gone on to play a pivotal role in the education of many.

As we enter our second century of learning and discovery, our Centenary year is a time to reflect on how far we have come and to look forward to the many more achievements yet to come.



“There is this difference between the youngest University in the Empire and the oldest: Oxford was established by a King; The University of Queensland is established by the people”

Queensland Premier William Kidston, 1909

HISTORICAL HIGHLIGHTS



1909

The University of Queensland is established by an Act of State Parliament to commemorate the 50th anniversary of Queensland's separation from the colony of New South Wales. Government House in George Street is dedicated to University purposes.

1910

The University is founded officially when the Queensland Government Gazette publishes a notice listing the 20 members of the first UQ Senate.

1911

Eighty-three students, including 23 women, attend the first classes in the Faculties of Arts, Science and Engineering.



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- 1 The Forgan Smith Building was completed in 1939, and remains one of the University's iconic buildings. Source: UQ Archives
- 2 In 1909, the State Government gave the people of Queensland a university in celebration of the state's Golden Jubilee. An inauguration ceremony took place on December 10, 1909 at what is now Old Government House in George Street, Brisbane City. Source: State of Library of Queensland
- 3 The first four UQ Professors with their wives outside Government House in 1911; (back left to right: Professor J L Michie, Professor B D Steele, Professor H J Priestley, Professor A J Gibson; front left to right: Mrs Priestley, Mrs Steele, Mrs Gibson). Source: Fryer Library
- 4 An aerial view of the St Lucia campus, taken in 1946, seven years after the Forgan Smith Building was completed. Source: UQ Archives
- 5 The UQ Medical School, as seen here circa 1959, is now known as the Mayne Medical School and is located at the University's Herston campus. Source: UQ Archives
- 6 The University of Queensland consolidated with Queensland Agricultural College (QAC) in 1990. This photo of the dormitories and dining hall was taken at QAC circa 1898. Source: UQ Archives
- 7 Some things never change: students hang out in the Student Union complex in the 1970s, just as they do today. Source: UQ Archives
- 8 The award-winning Ipswich campus library opened in 2003, and blends nature with technology while accommodating spaces for multiple learning styles. Source: OMC
- 9 The next generation: students of today enjoy modern study facilities, such as those in the First Year Engineering Learning Centre. Source: OMC
- 10 The Queensland Brain Institute is one of UQ's seven research institutes which continue to deliver ground-breaking outcomes for our local, national and global communities. Source: OMC



THE UNIVERSITY OF QUEENSLAND AUSTRALIA

In celebration of our Centenary, University of Queensland Press is publishing a pictorial book which will be available in 2010.

// To view photo galleries and additional details of UQ's history, visit www.uq.edu.au/centenary



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1926
Dr James O'Neil Mayne and his sister, Miss Mary Emelia Mayne, provide £55,000 to the Brisbane City Council to resume 210 acres of riverside land at St Lucia to provide a new site for the University.

1948
The move from George Street to St Lucia begins and is completed in 1972.

1990
The University of Queensland consolidates with Queensland Agricultural College (now UQ Gatton, a 1068ha campus 80km west of Brisbane).

1999
UQ Ipswich opens as one of Australia's first totally web-enabled campuses and about 500 students commence studies.

A PROUD FAMILY TRADITION

TEACHING A PRINCESS IN NEPAL AND PURSUING AN INVESTIGATION INTO VITAMIN B ARE JUST SOME OF THE ACHIEVEMENTS OF A FAMILY OF UQ GRADUATES SPANNING FOUR SUCCESSIVE GENERATIONS.

Members of the White family have attended UQ since 1923, when Montgomery White commenced his studies in a Bachelor of Science on an Open Scholarship.

In 1930, Monty was the recipient of the 1851 Exhibition Scholarship, and travelled to London to pursue a chemical investigation into vitamin B2.

"My grandmother, Jessie, who was also a UQ student and staff member, told me that Monty had the choice

of taking the Rhodes Scholarship or the 1851 Exhibition scholarship," recalls granddaughter and UQ graduate Jenny White.

"The Rhodes Scholarship would allow only him to go, but on the Exhibition scholarship he could take his wife. But they weren't married, so he went running up to her at the University and said, 'Let's get married now, and let's go to London'".

They returned to Brisbane in 1933, and Monty was appointed a Government

employee representative to the University Senate.

Sadly, Monty passed away in 1955 after battling a long illness.

Jessie, who was then left with five dependent children, commenced her UQ Diploma of Education at the age of 53.

At the time of Monty's death, their eldest son David had already commenced studying medicine; one of three from this generation of White children to attend UQ.

David's daughter Jenny said it was clear from an early age that her father had inherited his parent's passion for education and study.

"Dad tells a story when his high school maths teacher asked the class to reveal their test results," Jenny says.

"One classmate said 99 percent, and the teacher erupted with congratulations and commented at how marvellous he was. Dad was asked next, and when he told the class 100 percent the teacher said, 'You'll make no friends showing off, White'. I use that saying now, when he gets too cocky during our weekly crosswords."

After graduating from UQ in 1982 with a Bachelor of Speech Therapy, Jenny went trekking through Nepal.

Having felt a connection with the country, she returned a second time and fell in love with a Nepalese police officer. Eighteen months later they married, and soon after welcomed their daughter Shalini.

During her time in Nepal, Jenny was given the opportunity to teach English to the royal family in Kathmandu.

"I taught the Princess for six months. The army would come and pick me up every day, and escort me into the palace," she said.

Jenny and her husband, together with their daughter Shalini, left the escalating conflict in Nepal and moved to Bundaberg, where David had his general practice.

When Shalini announced she wanted to study psychology at UQ, her mother and grandfather couldn't have been more proud.

"I know they were very happy that I continued the tradition, as so many of Grandad's family came to UQ, but it was probably my Dad who really inspired me to go here," Shalini says.

"Dad can't believe how beautiful the St Lucia campus is. And education is so important to him."

And Jenny couldn't be happier with her daughter's academic achievements.

"Shalini is far more studious than I ever was, which makes me very happy as a mother," she said.

"You can definitely see her father in her, and her father's attitude that education is a valuable tool, and can never be taken from you once you have it."

// To share your UQ story, visit www.uq.edu.au/centenary or email centenary@uq.edu.au



Shalini Ale represents the youngest of four generations of UQ graduates. Pictured top right and centre are Montgomery White. Below: Mr White with son David and wife Jessie, and Mrs White at her graduation

STEWART GOULD



UQ ART MUSEUM CELEBRATES CENTENARY WITH AURUKUN ART AND GEMS FROM ITS COLLECTION

Crest of the hill 1898 by W. Frank (William Frank) Calderon 1865–1943, oil on canvas. Gift of the Veterinary Students Society, 1979. Collection of The University of Queensland.

100 YEARS ON DISPLAY

The juxtaposition of old and new is celebrated in two Centenary exhibitions showing at the UQ Art Museum in 2010.

The first, *100 Years: 100 Artworks*, will run from April 16–July 4, and represents works the University has acquired by gift, bequest and purchase.

Among the pieces on display will be the first artwork gifted to the University in 1929 – Mary Christison's *Self portrait*.

Works will range from William Frank Calderon's great Victorian picture *Crest of the hill* (1898) to Rosalie Gascoigne's *Dolly boxes* (1976) and Lockhart River artist Rosella Namok's *Para way not our way* (2001).

"The exhibition will showcase the University's remarkable collection. It will feature our old favourites and little-known gems alongside very contemporary pieces that reflect life today," UQ Art Museum Director Nick Mitzevich said.

The museum will also present *Before time*

today: Art from Aurukun, a major exhibition and one of the key events to mark the University's Centenary year, from September 10 to November 28.

The show focuses on the art from Cape York's Aurukun community, involving Wik, Kugu and associated peoples.



Waram (Dugong) 2008 by Horace Wikmunea 1963 – natural ochres with synthetic polymer binder on milkwood. Collection of The University of Queensland, purchased 2008. Photo: Mick Richards

"This exhibition allows us to gain better insight in the life and culture surrounding Aurukun's outstanding carving tradition, and how this inspired a flourishing new chapter of art production across a range of media in today's community," Mr Mitzevich said.

Initiated in response to collections of Aurukun art held in the UQ Anthropology Museum and UQ Art Museum, the exhibition brings together historical pieces and examples of contemporary Aurukun art from public art and cultural institutions.

Other UQ Art Museum exhibitions throughout 2010 include

Contemporary Queensland photography (January 29 –11 April) and

the first major survey of Queensland-based

Indigenous artist Fiona Foley (19 February–2 May).

Highlights also include the Australian War Memorial's *Sidney Nolan: The Gallipoli Series* (September 17–November 14) and *Australian portraits 1880–1960* from the Australian National Gallery (November 19–February 11).

// Visit www.artmuseum.uq.edu.au for further details

UQ merchandise now available at The Co-op Bookshop.



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Ipswich campus

Building 12, Room 108, Salisbury Road, Ipswich QLD 4305
Ph: (07) 3381 1240, Email: uqipswich@coop-bookshop.com.au

St Lucia campus

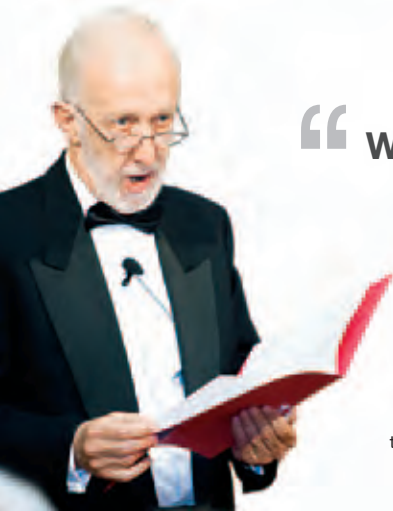
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University Co-operative Bookshop Ltd

UQ SENATE MEETING USHERS IN NEW CENTURY



“ We cannot reckon the life of a University in years, nor in decades, but in centuries ”

Executive Dean of the Faculty of Arts Professor Richard Fotheringham re-enacts extracts from the debate of The University of Queensland Bill



Queensland Premier Anna Bligh with Vice-Chancellor Professor Paul Greenfield at the final UQ Senate meeting of 2009

Members of UQ's 31st Senate and special guests reflected on the original intentions of the University's forefathers and anticipated the next 100 years at the final 2009 UQ Senate meeting on December 10.

To mark the start of UQ's Centenary, the meeting was held in The Red Chamber at Parliament House, Brisbane, and included congratulatory speeches from Queensland Premier Anna Bligh and Queensland Governor Dr Penelope Wensley AO.

Other guests included Queensland University of Technology Vice-Chancellor Professor Peter Coaldrake, Central Queensland University Chancellor Mr Rennie Fritschy, and former UQ Vice-Chancellors Professor Brian Wilson and Professor John Hay.

UQ's Chancellor Mr John Story opened the meeting and quoted William Kidston, the Queensland Premier in 1909, about the aspirations of UQ:

"I would have the Senate always remember that it was the desire of our people that inspired the crowning of our educational system by the establishment of a University, that in very truth the Queensland University is 'of the people'."

The Senate and guests then enjoyed a re-enactment of extracts from the debate of The University of Queensland Bill, taken from the transcripts of parliamentary proceedings, Hansard.

The Red Chamber was the site of these debates, 100 years ago, when it was home to the Legislative Council.

After the meeting, members of the UQ Senate and invited guests convened in the Parliamentary Annexe Speakers' Hall for a celebratory dinner.

At the event, Vice-Chancellor Professor Paul Greenfield anticipated UQ would continue to have a great impact on global communities across a number of disciplines.

"Kidston held that whilst not everyone could have the privilege of attending or directly sharing the advantages of a university, the whole community should benefit from it," he said.

"The 'whole community' no longer means the people of Queensland – it is Australians and people the world over."

// To view photos from the evening and watch the official proceedings, including the re-enactment, visit www.uq.edu.au/centenary



Former UQ Vice-Chancellors Professor Emeritus Brian Wilson (left) and Professor Emeritus John Hay (right) with Professor Greenfield



UQ Chancellor John Story with his predecessor Sir Lew Edwards



Thank you to all UQ alumni

The success and achievements of the University throughout the past 100 years simply would not have been possible without our dedicated and highly talented alumni. Since the first cohort of students arrived at George Street in the Brisbane CBD in 1911, UQ is proud to have played a pivotal role in the education of many. As we enter our second century of outstanding teaching and discovery, we would like to acknowledge those who have made UQ what it is today, and invite all alumni to help us celebrate in 2010.

CENTENARY EVENT HIGHLIGHTS

16 APRIL: 50+ LUNCHEON

The 50+ Luncheon will be held on the date which marks 100 years since The University of Queensland was gazetted. All graduates who completed their degree 50 years or more ago will be invited to attend this reunion luncheon.

18 APRIL: CENTENARY CELEBRATION DAY

The UQ Centenary Celebration Day is our way of saying thank you to the community for supporting us over the past 100 years. There will be activities and entertainment for all ages and interests, including live bands, market stalls, food stalls, kids' games, and information sessions and workshops on health and wellbeing, global change, innovation and the Arts.

2-4 JULY: CENTENARY ALUMNI REUNION WEEKEND

The Centenary Alumni Reunion Weekend will be held at UQ's St Lucia campus and will provide alumni with the opportunity to catch up with old friends.

Included in the program is a welcome reception, the Courting the Greats dinner, and a thank you brunch. There will also be individual school and college reunions happening over the weekend. Check the Centenary website for details.

INTERSTATE CELEBRATIONS

Our interstate alumni are invited to the following Centenary events:

- May 19: Sydney
- May 20: Canberra
- September 28: Melbourne

INTERNATIONAL CELEBRATIONS

UQ is pleased to announce there will be several international events throughout our Centenary year.

- March 21: Bangkok
- March 24: Kuala Lumpur
- March 27: Singapore
- May: Vietnam
- May: Los Angeles
- October: China
- October: Hong Kong

For a full list of Centenary events and activities, visit www.uq.edu.au/centenary

*Dates and venues were correct at time of printing. For the latest information, please visit www.uq.edu.au/centenary, email uqalumni@uq.edu.au or call +61 7 3346 3166

Share your UQ story

"Our first 100 years are underpinned by the stories of our alumni, and their achievements and memories deserve to be shared with each other and the greater community" – UQ Pro-Vice Chancellor (Advancement) Clare Pullar.

As part of the Centenary celebrations, the University is inviting alumni to share their UQ stories online.

If you have a story to share, or would like to tell us your fondest UQ memory, visit www.uq.edu.au/centenary or email centenary@uq.edu.au



Running for cancer research

What started as a challenging way to raise awareness and funds for two charities looks set to become an annual run from Brisbane to Longreach for an inspirational UQ student.

Monty Summers finished a 1200km run alongside 14 friends last July, with only a few aches and pains. Supporting him every step of the way was his twin brother and fellow UQ alumnus Tighe.

The 20-year-old human movement and psychology student raised more than \$50,000 and spoke to school groups and community gatherings in towns during the trek. The feat was to raise awareness and funds for the Leukaemia Foundation and AEIOU: Children with Autism.

Mr Summers said it was good to complete the run, but was not prepared to close the door on further efforts down the track.

"The name and our stories are out there. We could base everything on that. We could raise more money next time we do it. We could improve on things," he said.

Mr Summers was motivated to complete the ambitious task as part of his rehabilitation from a battle with lymphoblastic leukaemia while still at high school.

A devoted athlete who ran 13 times a week, he was diagnosed with the disease after collapsing at an athletics carnival in Tasmania.

The reality of the treatment soon sank in as Mr Summers underwent chemotherapy at the Mater Hospital and a bone marrow transplant at the Royal Brisbane Hospital.

Despite the treatment, going from being a hyperactive 17-year-old to being made to lie in a bed all day was a transition that did not sit well with Mr Summers.

"The moment I could find a treadmill, I jumped on it," he said.

"I also strapped my arm with its tubes up in Glad Wrap and went for a surf."

The group ran between 50km and 127km each day, with Mr Summers praising local residents for their strong support.



"It was great to be out there meeting all those people," he said.

"The communities along the way were fantastic."

ONLINE // To listen to a podcast of Mr Summers discussing his journey, visit www.uq.edu.au/graduatecontact



IMAGES STEWART GOULD

Above: Monty Summers during training and left, with twin brother Tighe

ADVANCE YOUR CAREER

Master of Social Work Studies

With an increasing demand for qualified social workers and continued growth in the Health and Community Services industry, there has never been a better time to enrol in UQ's Master of Social Work Studies.

Extend your current qualifications and expand your career opportunities by becoming a professional social worker in two years of full-time study or less*.

* *Dependent on previous studies*

Accredited by the Australian Association of Social Workers (AASW) and with a focus on mental health, our program is particularly suited to: recent graduates looking for a clearly defined career path; mid-life career changers; and human service workers looking to upgrade their skills.

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School of Social Work and Human Services



MEDIA EVENT TO UNITE NATIONS

UQ HAS SECURED A FIRST FOR THE PACIFIC REGION TO HOST A GLOBAL MEDIA FREEDOM FORUM IN MAY.

In a first for Australia and the Pacific, UQ has won the right to host UNESCO's global World Press Freedom Day conference and Guillermo Cano World Press Freedom Prize-giving ceremony in 2010.

Announcing UNESCO's decision last year to stage the headline event in Brisbane, Director-General Koichiro Matsuura said his organisation was "proud to hold this ceremony in your wonderful country, and for the first time in the Pacific region".

The UNESCO/Guillermo Cano World Press Freedom Prize honours a person, organisation or institution that has made an outstanding and courageous contribution to the defence and promotion of press freedom anywhere in the world.

To be held on May 3, the theme of World Press Freedom Day is "Freedom of Information: The Right to Know", and UQ's conference will focus particularly on freedom of expression issues in the Asia-Pacific region.

Vice-Chancellor Professor Paul Greenfield said UQ was proud to support UNESCO's efforts to uphold and engender public accountability and media freedom.

"UNESCO is the only UN agency with a mandate to defend media freedom, and too often it has cause to condemn the deliberate killing of a journalist or journalists," Professor Greenfield said.

"One of this conference's purposes will be to honour reporters who were assassinated or harmed because they exposed or threatened to expose the truth.

"ONE OF
THIS CONFERENCE'S
PURPOSES WILL BE TO
HONOUR REPORTERS WHO
WERE ASSASSINATED OR
HARMED BECAUSE THEY
EXPOSED OR THREATENED
TO EXPOSE THE TRUTH"

"UQ educates journalism students who may one day work in places where their profession makes them targets, and we regard this conference as important for their safety as well as for the global flow of accurate information."

As the University celebrates its Centenary in 2010, UQ's journalism school also holds its own place in history as Australia's oldest.

Head of the School of Journalism and Communication Professor Michael Bromley said he hoped the conference would also encourage a wider "fringe" program of activities in Brisbane to promote the importance of media freedom to the general public.

"Our school had been actively pursuing the World Press Freedom Day project for about 18 months. This is a high-level, global UN Day, and it will attract large numbers of delegates from all around the world," Professor Bromley said.

Those wanting to keep up to date with World Press Freedom Day can visit the event website and subscribe to an e-newsletter.

// www.uq.edu.au/wpfd2010

– ELIZA PLANT

Women in central Afghanistan participate in a UNESCO literacy program



MARTIN HADLOW

Curtain raised on

STORMY PRODUCTION

The sound of thunder or a sharp crack of lightning would have most people running for cover, but a group of UQ researchers can't help but revel in stormy weather. **Eliza Plant** followed the University's own storm chasers for a day to see what makes them tick.

"TIME CONTINUES AND MORE DATA IS COLLECTED. THE SKY IS BEGINNING TO BLACKEN AS THE CLOUDS BECOME THICKER. BEFORE WE KNOW IT, THE CONDITIONS HAVE DRASTICALLY CHANGED AND A STORM IS ON THE HORIZON"

There is no denying South-east Queensland and storms are a match made in heaven and on a field trip to Kooralbyn, near Beaudesert, in October, it was startling to see just how quickly this destructive relationship could unfold.

During the 2009 summer storm season, a team of UQ researchers set up a site at the country setting to collect real-time data for better storm warnings in the region.

The project, headed by Associate Professor Hamish McGowan and Bachelor of Science Honours student Joshua Soderholm, marked the first time the researchers – from the School of Geography, Planning and Environmental Management – placed themselves in the field before, during and after a storm hit.

The project aims to provide a greater understanding of the relationship between the pre-storm atmosphere and a storm's evolution, direct impact areas and the weather it produces.

"We collected a very wide set across as many storm days as possible, thereby allowing us to develop a climatology of thunderstorm events. We were then able to better understand the relationship between pre-storm conditions and the ensuing thunderstorm weather," Mr Soderholm said.

As I travelled to Kooralbyn, the temperature was already about 26 degrees and the wind was howling through the dry terrain.

If you view a storm like a theatre production, the opening number had been forecast for late afternoon.

"It's a bit of a waiting game," Dr McGowan says as we arrived on site.

"I'm still reasonably hopeful and optimistic. It's a shame that the wind wasn't more round in the north east rather than the north west to bring that moisture in."

From about 8am, the team had been busy releasing radiosondes – small instruments encased in foam which are attached to large biodegradable balloons – every two hours.

The technology aims to provide information on the ambient

atmosphere in terms of temperature, humidity and wind speed and direction.

"If nothing is kicking off by 3.30pm then we can call it quits," Dr McGowan says as he surveys the sky.

At about noon, the latest in a series of radiosondes is released – a big red balloon fading into the distance.

While the balloon becomes less visible, the monitor on the ground beeps to alert the team to new information on the developing weather conditions.

Every 20 seconds the optical telescope makes a measurement of the balloon's position and the information is scanned into a computer for download.

Looking at the data on the screen, Mr Soderholm is excited by the balloon's quick ascent into the atmosphere.

"It's blowing up to 40 knots at 500 metres now," he says.

"It's gone over 1000 metres now."

A quick scan of the surrounding environment and it appears the clouds are starting to thicken.

"Fingers crossed, it's only 1.15pm, hopefully by 3pm things will be a bit more organised and we'll see some deeper convection," Dr McGowan says.

"We should be getting pretty impressive storms under typical conditions but at present things are still relatively dry.

"That's what you look for on thunderstorm days, conditionally unstable atmospheres that remain stable as long as it's dry but as soon as it becomes moist it becomes unstable and remains so."

Time passes and more data is collected. The sky is beginning to blacken as the clouds become thicker. Before we know it, the conditions have drastically changed and it is obvious that a storm is on the horizon.

Droplets of water begin to bucket down as the sound of rolling thunder echoes in the distance.

While we take cover, Dr McGowan and Mr Soderholm are busy releasing another radiosonde into the atmosphere. The red balloon is immediately whisked up into the turbulence.

Mr Soderholm interrupts the conversation excitedly to report that the radiosonde is caught in the storm's updraft and is hovering at 8400 metres – “we've never tracked it this high before,” he says.

As the storm passes, a quick glimpse at the radar shows a series of severe cells rolling in from the west towards Brisbane, the bayside and the Sunshine Coast.

My ears remain pricked as talk of another storm passing through the Beaudesert area gains momentum.

“We're measuring the structure of the lower atmosphere from the surface to about 6000 metres,” Dr McGowan adds, peering into a theodolite (a kind of telescope).

The research will hopefully allow the team to better identify what conditions are needed to predict the type of developing storms.

“For example, whether or not you are going to have a big super-cell thunderstorm or whether you are going to have a squall come through, a line of storms, that often passes through South-east Queensland in the spring.

The more and more people that decide to reside in South-east Queensland, the greater the potential for severe impact on those urban environments in those communities.”

It's about 4pm and the build-up for another storm begins to gain momentum just north of the research location.

It's amazing to see how selective the storm path can be. Even though we can see the storm, it appears on the radar to be just shy of our location.

The storm's ferocity is evident by the cloud dimensions and its increasing speed. Soon the panorama of black clouds is but a distant sight, closing the curtain on our storm-chasing adventure. At least until next time...

ONLINE // To watch a video of the storm chasers in action, visit www.uq.edu.au/graduatecontact



Weather watchers: Associate Professor Hamish McGowan and Joshua Soderholm ready a radiosonde (left), and opposite page, Mr Soderholm gathers data with a theodolite



IMAGE LYLE RADFORD

50+ MEET AND GREET

In June last year, more than 100 alumni who were graduates of the year 1959 or earlier attended the annual 50+ Luncheon at Customs House.

Hosted by Vice-Chancellor Professor Paul Greenfield, the reunion event was an opportunity for alumni to rekindle friendships and to hear about new developments at the University.

Guest speakers included Professor Frank Monsour RFD AM and Dr Noel Stephenson AM – both graduates from 1959. 50+ Luncheon event manager Kylie McIntyre said the day was a special occasion for all alumni involved, many of whom had not met since their campus days.

This year's 50+ Luncheon will be held on April 16 in support of UQ's official Centenary birthday.

Mind Ventures

Maintain & extend intellectual interests in the company of like-minded others...

Mind Ventures is a not-for-profit organisation which coordinates educational programs for mature age people

- one-day courses
- short breaks (3-5 days)
- wide range of subjects (history, literature, science, social issues, politics...)
- different locations (Brisbane, Longreach, Byron Bay, Cooktown, Lorne, Heron Island...)
- small groups
- expert and entertaining presenters

More information

Dr Bill Richmond – ph: 07 3878 4077; 0412 354 722
email: mindventures@uqconnect.net

www.mindventures.com.au



Donor thank you

The sandstone buildings of the Great Court provided a fitting backdrop for the 1910 Society and Chancellor's Society thank you event held in the Alumni Court on October 20.

The evening was an opportunity to thank donors for their generous support to UQ and to demonstrate how their gifts have directly assisted students and researchers alike.

Donors who have given \$100,000 or more are recognised with lifetime membership of The 1910 Society. The Chancellor's Society recognises donors who make an annual gift of \$1,000 or more.

Pro Vice-Chancellor (Advancement) Ms Clare Pullar welcomed guests to the occasion which she said "marked the celebration of philanthropy to The University of Queensland".

Chancellor Mr John Story asked guests not to be modest when talking about giving to the University and to share their experiences to encourage generosity in others.

Vice-Chancellor Professor Paul Greenfield told attendees philanthropy was a pillar of UQ's first century and that such contributions would play an important part of its future.

Bringing this message into focus was UQ-Link Scholarship recipient Zahra Ghaznawi, who spoke about the difficulties of growing up in Afghanistan, living as a refugee and then completing the final year of secondary school in Australia.



IMAGES LYLE RADFORD

Top: Juliet O'Brien, Lisbeth Hopkins, Violet Kuskie, Betty Crouchley and Rae Bridge. Middle: Pamela Videroni, Dr Rosamond Siemon and Chancellor John Story. Above: Trish Ashe, Brian Pendrigh and Maggie Hsiesh

For Miss Ghaznawi, the scholarship represented "the very latest in a long chain of miracles".

"Education has given me back my life, my future and my hope," she said.

Guests were also able to meet with other scholarship recipients to see firsthand the impact of their contributions to the University.

// www.advancement.uq.edu.au

STRESS-FREE STUDENTS

Students were encouraged to stress less on the eve of their exams during an inaugural event hosted by the UQ Alumni team in October.

The "Stress Relief" event took place at the St Lucia campus and incorporated displays from the UQ Union, UQ Sport, Student Services and the Faculty of Health Sciences.

The three-hour program kicked off with live music, lucky draw prizes and giveaways. Students then took part in a range of activities ranging from relaxing in a stress-free lounge to attending stress-relief workshops.

Other options included health assessments and pilates and stretching demonstrations.

Business management and arts student Anja Thomas said the event allowed her to pinpoint stress symptoms and know how to alleviate them in the future.

"I enjoyed sitting in the stress-free lounge, exchanging thoughts with other students and listening to the lovely live music," she said.



STEWART GOULD

Ms Thomas said she looked forward to attending similar events in the future.

The Stress Relief project was an initiative of the UQ Student Alumni Program, which also launched the Backpack to Briefcase Career Breakfast Series in 2009.

// www.alumni.uq.edu.au

Alumni OF THE YEAR

Powerlink Chair and the first woman to graduate from electrical engineering at UQ, Else Shepherd AM, is the University's Alumnus of the Year for 2009.

By Shirley Glaister

Ms Shepherd is part of the first trio of women to win UQ alumni of the year awards in the same year – the others being sanitation expert Thi Ngoc Diep Nguyen (International Alumnus of the Year), and animal welfare advocate Dr Catherine Schuetze (Young Alumnus of the Year).

UQ Vice-Chancellor Professor Paul Greenfield and Alumni Friends of The University of Queensland Inc. Senior Vice-President Patricia Jones hosted the 2009 Courting the Greats lunch to recognise the winners at Customs House on November 26.

Professor Greenfield said UQ was honoured by a wealth of exceptional graduates, who reflected positively on the University and inspired the students who followed them.

Ms Shepherd was motivated to pursue a career in engineering by the 1957 launch of the Russian satellite Sputnik. After attending Brisbane Girls Grammar School, she began studying electrical engineering at UQ from 1962, graduating in 1965.

She married and went to live in Mackay for the next 18 years, working at the Sugar Research Institute as an operation research engineer for 10 years and raising two children.

By the end of 1983, she moved back to Brisbane and in 1986 formed Mosaic Information Technology, a company specialising in the design and manufacture of telecommunications products, particularly custom-designed modems. In 2002, she co-developed a new company, Microwave & Materials Designs, specialising in microwave filters for mobile phones.

In 1994, Ms Shepherd was appointed to her current position as Chair of Powerlink – a new company set up by the Queensland Government to oversee the state's electricity transmission system following the break-up of the Queensland Electricity Commission (QEC).

Powerlink owns, develops, operates and maintains Queensland's \$3 billion, 1700km high-voltage electricity transmission network.

For her contributions to engineering, education and the electricity generating industry, Ms Shepherd was appointed a Member in the General Division of the 2003 Queen's Birthday Honours List.

Alumni Friends of The University of Queensland Inc. President Dalma Jacobs said the Alumni Friends were honoured Ms Shepherd had accepted the award of Alumnus of the Year for 2009.

The International Alumnus of the Year Award was introduced in 2002 to recognise the outstanding personal and professional achievements of the University's international alumni community. The criteria of the award considers contributions to the community and career achievements since graduating.

Ms Nguyen, who graduated with a Master of Social Planning and Development (Professional) from UQ in 2002 after completing her undergraduate studies

in Vietnam, previously worked as a consultant to the Belgian Technical Cooperation on a project contributing to better sanitation for people living in the Tan Hoa-Lo Gom Canal area in Ho Chi Minh City.

She studied at UQ under a full scholarship of The Atlantic Philanthropies Coursework Masters Scholarship Program funded by The Atlantic Foundation and administered by The University of Queensland and Vietnam National University.

Nominees for UQ's Young Alumnus of the Year must be under the age of 40 and are judged on their post-graduation career achievements and future plans, innovation and creativity, involvement within their communities and how their career achievements have benefited others.

Dr Schuetze, who graduated with a Bachelor of Veterinary Biology from UQ in 1993 and a Bachelor of Veterinary Science in 1995, has since devoted her life and career to the cause of animal welfare. She founded and is the current President of VetCharityOrg (now known as Vets Beyond Borders), and lives in India.

She spends her time developing strategic partnerships with governments, animal welfare organisations and NGOs and has helped establish several animal welfare programs in India with a focus on national dog health, population management and rabies control.

Dr Schuetze has worked with wildlife and domestic animals in veterinary practice in different parts of the world (Africa, United Kingdom, India, Australia) over the past 14 years, in both employed and voluntary capacities.

// To nominate a UQ graduate for the International or Young Alumnus of the Year awards, contact uqalumni@uq.edu.au Entries close March 28



2009 Alumnus of the Year Else Shepherd (left) with fellow award winners Thi Ngoc Diep Nguyen and Dr Catherine Schuetze

Shakespeare behind bars

Last year marked a milestone for Shakespeare's *Julius Caesar* when it was performed by inmates of the maximum-security Borallon Correctional Centre.

The performance to around 30 invited guests highlighted an innovative education program run by the Queensland Shakespeare Ensemble (QSE), led by artistic director and UQ lecturer Dr Rob Pensalfini (pictured).

The production was only the second time Australian prisoners had staged a Shakespearean play, the first being *The Tempest*, which capped off QSE's pilot program in 2006.

"In 2006, *The Tempest's* themes of incarceration, isolation and loss of privilege and freedom were recognised as important and relevant from the prisoners' perspectives," Dr Pensalfini said.

"With *Julius Caesar*, the discussion of the use and misuse of power, betrayal, loyalty and violence has proved pertinent.

"The heart of the program's philosophy is that violent behaviour often comes out of an inability to express negative thoughts and emotions in words, so it's been important to be able to discuss and dramatise violent situations in a safe environment, a task made easier by the passion and precision of Shakespeare's language."

Approximately 20 inmates worked with Dr Pensalfini and three of his QSE colleagues who conducted weekly theatre games and rehearsals over several months.

Called Arts in Community Enhancement (ACE), the project was made possible by support from Borallon staff and UQ, and also received financial assistance from the Queensland Government through Arts Queensland.

// www.qldshakespeare.org



STEWART GOULD



IMAGES: JEREMY PARTEN

Diversity discussed

What started as chatter between medical wards has grown into an international aid project that won the main prize at the 2009 UQ Vice-Chancellor's Equity and Diversity Awards.

Presented as a feature of the University's Diversity Week program, the awards celebrate staff, students and graduates who are pursuing inclusive initiatives.

Nearly 300 people attended the ceremony to congratulate a group of medical students who won the \$10,000 prize for creating the Manali Medical Aid Project (MMAP).

Guests were also treated to a lively panel discussion facilitated by the host of ABC Radio National's *Late Night Live*, Phillip Adams, titled "In Others' Shoes: Possible or Pipedream?"

Panelists included Professor Carmen Lawrence, Australia's first female State Premier and former Federal Health Minister, and Professor Kevin Clements, Director of the Centre for Peace and Conflict Studies at The University of Otago.

"Each year Diversity Week celebrations grow in magnitude and not only help strengthen the bond between staff and students, but the University's engagement with the wider community," Senior Deputy Vice-Chancellor Professor Michael Keniger said.

As the winning project, MMAP has raised more than \$30,000 for the Lady Willingdon Hospital and its clinics.

Co-founder James English said MMAP addressed the medical and community needs of the hospital by obtaining sponsorship and support from donors in Brisbane and abroad.

Initiatives funded by the projects ranged in cost from \$10 to \$9000 and included school vaccinations, health camps in Nepalese shantytowns, surgical interventions for at-risk subgroups and equipment for intensive care.

Second place (\$5000) went to student Alan Huynh, who was recognised for his involvement with refugees and people from culturally and linguistically diverse backgrounds, while a Highly Commended prize was awarded to the UQ-United Nations Millennium Development Goals Project.

Dr Deborah Setterlund, from UQ's School of Social Work and Human Services, was the UQ Equity and Diversity Alumni Award winner for her long-standing volunteer work in Nepal.

A former long-serving staff member, Dr Setterlund was featured in the Summer 2008 *Graduate Contact*, and works for the Nepal Australia Friendship Association – an organisation of around 150 volunteers.

// www.uq.edu.au/diversity-week

Professor Kevin Clements, Phillip Adams and Carmen Lawrence, and above, MMAP members Matthew Torbey, Ben Treffene, Juergen Landmann, James English and Arthur Cheung



Music in the streets



IMAGES: HANA ALHADAD AND SVEN CHLETZMAN

Ms Alhadad with children in Timbuktu, Mali, at a music and dance workshop, and below, the performers of *Capoeira Knights* in action in Salvador da Bahia, Brazil

Whether in India, Brazil, Cambodia or Mali, one UQ scholarship recipient is helping open up the arts to everyone.

By Eliza Plant

When Oscar-winning music composer A R Rahman, of *Slumdog Millionaire* fame, invited UQ PhD student Hana Alhadad to work alongside him in India's impoverished slums, she accepted instantly.

Ms Alhadad, who dons the hat of artist, mentor, writer and producer, and who was awarded a UQ Endowment Fund (UQef) scholarship, was last year chosen to work as a consultant in the A R Rahman Arts Foundation in Chennai; helping to kick start its music and dance educational program.

"It was a surreal experience working with a musical genius, especially watching him patiently mentor a group of children from the slums who have never before had any form of education in music or the arts," she said.

"The opportunity that he has opened up to the disadvantaged children of Chennai is immense and has certainly and quite literally brought smiles, song and dance to the streets."

Over the past eight years, Ms Alhadad has gathered many stamps on her passport, travelling the world promoting youth theatre and the use of performance in building peace.

Her artistic prowess and love for humanity has seen her work with youths in Thailand, Cambodia, Mali and Peru, as well as on the award-winning *Children of the Sea* and *Finding Marina* projects in Sri Lanka, which concentrated on the issues of the Boxing Day Tsunami and civil and ethnic conflict.

Ms Alhadad's interest in the arts also took her to Brazil to work on the UNESCO-supported *Capoeira Knights* – which was based on a Brazilian martial art and dealt with the issues of violence, drugs and gangs.

Capoeira Knights received critical acclaim at the 2008 Edinburgh Festival while *Children of the Sea* received the Spirit of the Fringe first prize at the 2005 event.

Finding Marina – a production that tackles the civil conflict in Sri Lanka – won the Amnesty International Award for theatre that changes people's lives in 2006.

"Traditionally, education in arts and performance has ironically been a closed group available to those who can afford it," Ms Alhadad said.

"Since 2004, I have endeavoured to open this group, take performance training to the streets and provide free education in refugee camps.

As Ms Alhadad embarks on a PhD in UQ's School of Social Work and Human Services and the Australian Centre for Peace and Conflict Studies, her interests move closer to home.

With the help of a UQef scholarship, Ms Alhadad aims to examine the process of performance in the transformation of conflict.

One of Ms Alhadad's research goals is to build a creative art for peace project where professionals train youths in the performing arts, culminating in a multicultural Indigenous-themed theatrical production.

Founded in 2007, UQef is a means for donors to support academic initiatives in areas of social need.

// www.uqef.com.au



Honorary doctorates

High Court Justice Susan Kiefel and acclaimed poet Professor Emeritus Thomas Shapcott AO received honorary doctorates at UQ's December graduations.

Justice Kiefel, Queensland's first female Queen's Counsel and a graduate of Cambridge University, received a Doctorate of Laws *honoris causa* at a Business, Economics and Law graduation.

Professor Emeritus Shapcott (pictured) received a Doctorate of Letters *honoris causa* at an Arts and Social and Behavioural

Sciences ceremony at UQ's Ipswich campus. He served as a Director of the Literature Board of the Australia Council for the Arts from 1983–1990 and has been a significant benefactor to the University through donations of his personal literary archives.

Also recognised was maverick arts dealer Ray Hughes, who received a Doctor of the University *honoris causa*. Mr Hughes was an early supporter of Queensland artists such as Davida Allen, Roy Churcher, Robert MacPherson, Madonna Staunton and William Robinson.



JEREMY PATTEN

Banker and business woman Dr Helen Nugent AO, orchestrator of the international expansion of UQ's acclaimed Triple P – Positive Parenting Program – Des McWilliam, champion for animal health John Stewart AM, and former Chief Executive of MIM Holdings Ltd Mr Nick Stump also received recognition.



JEREMY PATTEN

Beirne legacy continued

Genevieve Beirne's recent graduation from UQ's TC Beirne School of Law would have pleased her great great uncle.

In April 1935, Thomas Charles Beirne, the proprietor of a large Brisbane drapery store in Fortitude Valley and Warden of the Council of the University (1928–1941), pledged £20,000 to establish a functioning law school at UQ.

In gratitude, the then University Senate named the school in his honour and at her graduation ceremony on December 8, Genevieve joined 155 fellow students to receive her Bachelor of Laws (LLB).

Mr Beirne (1860–1949), rose from being a scantily educated son of a farmer in Ireland to one of the first millionaires in Australian history after emigrating here in 1883–1884. Perhaps

it was his patchy education that drove him to want to sponsor and influence the educational development of his new home, the state of Queensland, and in particular, its only university at the time.

Philanthropists such as TC Beirne will be especially commemorated this year as part of Centenary celebrations.

Ms Beirne said she was delighted to have such a connection to the past and was especially proud to be the first Beirne from her branch of the family to graduate with a law degree from UQ – her great-grandfather Michael was brother to Thomas.

Ms Beirne said she was excited about finishing her studies, and had recently commenced a position with the Federal Department of Foreign Affairs and Trade.

81-year-old rises to the challenge

UQ graduate Dr Ferdinand Brockhall has proven no feat is ever too great, after receiving his PhD in December.

Dr Brockhall, 81, studied post-war Greek and Cypriot migrants in Australia.

"Most of the existing research stops once these people were assimilated – as though they had no story after this point," Dr Brockhall said.

"If you talk to them today, you find that they are proud to be Australian, and despite globalisation and increased mobility, they choose to stay here, in what they consider to be their homeland."

Dr Brockhall's supervisor, Associate Professor David Ip, believed the research could also assist with better understanding today's multicultural Australia.

Professor Ip was also quick to congratulate Dr Brockhall on his

achievement, despite facing many challenges.

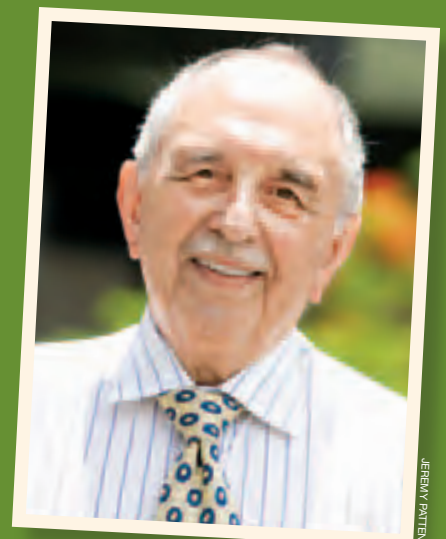
"Having been away from studying for more than two decades, the technology advancements alone were completely foreign, not to mention research processes, and the theories and concepts in his field," he said.

Dr Brockhall admits he came close to throwing in the towel, but it was the support of his wife, to whom his thesis is dedicated, that kept him going.

"It was frustrating and challenging, and twice I came close to giving up. But I didn't know how to tell Wilhelmina, so I kept going," he said.

Born in Indonesia to Dutch parents, Dr Brockhall and his wife migrated to Australia in the early-1950s.

"I just really wanted to keep learning, and Wilhelmina supported me all the way," he said.



JEREMY PATTEN

Asia trip secures alumni links

In September a UQ delegation led by Senior Deputy Vice-Chancellor Professor Michael Keniger travelled to China and Hong Kong for a series of business and alumni functions.

The purpose of the visit was to meet and re-engage with University graduates and business partners to provide an update on strategic priorities and developments at UQ.

Representing UQ were several members of the executive including Deputy Vice-Chancellor (Research) Professor Max Lu, Deputy Vice-Chancellor (External Relations) Professor Ian Zimmer and Acting Deputy Vice-Chancellor (International) Professor Mick McManus.

BEIJING

Professor Keniger hosted a successful alumni and business function where he encouraged graduates to attend the Centenary Alumni Reunion Weekend in Brisbane on July 2–4, 2010.

While in Beijing, the UQ delegation also visited the Chinese Academy of Science, Hanban (the executive body of the Chinese Language Council International), and Peking and Capital Medical universities.



GUANGZHOU

An alumni event was hosted by Professor Tim Brailsford, Executive Dean of the Faculty of Business Economics and Law (BEL) on September 11. The guest speaker was ANZ General Manager Guangzhou, Mr Allan Marlin. Mr Marlin talked about the strong link between Australia and China and the significant growth potential in the local banking and financial services industry over the next few years.

Clockwise from main image: Professor Keniger and Professor Lin Jianhua, Senior Deputy Director of Peking University, Cecilia Fan, Jacky Lau and Jonathan Mek in Shanghai, and Michael Chen and Ning Zhao celebrate in Beijing



IMAGES: MERZ PHOTOGRAPHY

TIANJIN

Staff involved with UQ's new Confucius Institute met with representatives from partner Tianjin University on September 9 to discuss academic and research collaboration. The Faculty of Engineering, Architecture and Information Technology also renewed an arrangement with the university, which provides year-long exchanges for engineering students between the two institutions.

SHANGHAI

Members of the executive met with colleagues from fellow *Universitas 21* members Fudan University and Shanghai Jiao Tong University. New links in science and technology research were also explored with Fudan to complement an existing collaboration in the area of public health. A well-attended alumni function also took place, with business partners including the editor of the *Shanghai Daily* attending.

HONG KONG

Professor Zimmer hosted an alumni reception on September 11 and a dinner the next evening to thank the committee of the UQ Alumni Association of Hong Kong for their dedication and hard work. He took the opportunity to recognise the outgoing president, Dr Xtven Ng for his contribution over the past 12 months and to welcome Ms Nixie Lam to the role.

As has become a tradition, a BEL employment seminar was also held. "Can the Dragon be Slain? The Financial Capital of Asia: Hong Kong or Shanghai?" explored comments made by the Chinese government that they would like to see Shanghai as a global financial hub by 2020.





CHRIS STACEY

Hats off to Bille

When Bille Brown was honoured at the 2009 Helpmann Awards at the Sydney Opera House he was in fine company.

The theatre veteran and UQ Professor in Drama received the Best Actor in a Musical gong for his star turn in Monty Python's *Spamalot*, joining the who's who of the Australian performing arts industry.

Like the Tony awards on Broadway and the Olivier awards on London's West End, the Helpmanns recognise excellence across the performing arts in Australia.

First held in 2001, the awards are named after Robert Helpmann, the legendary Australian dancer, choreographer and theatre performer whose birth centenary was last year and whose achievements are celebrated in a new biography released by The University of Queensland Press.

Professor Brown appeared at Melbourne's Her Majesty's Theatre in the Australian premiere season of *Spamalot*, in the role of King Arthur.

He has received a number of awards throughout his career including an Australian Centenary Medal in the 2001 Queen's New Year Honours List for his services to the Australian arts.

Born in Biloela in Central Queensland, Professor Brown completed a Bachelor of Arts at UQ and a Postgraduate Diploma of Education in the early seventies. In 2001, he was awarded an Honorary Doctor of Letters by the University.

During his student days at St Lucia, Professor Brown acted with the student drama company Dramsoc and made his professional debut with the Queensland Theatre Company in 1971. It was during his time at UQ that Professor Brown also developed a long and significant professional relationship with fellow alumnus Geoffrey Rush.

Professor Brown's career took him abroad to Britain where he joined the Royal Shakespeare Company (RSC), and was the first Australian commissioned by the RSC to write and perform in their play *The Swan Down Gloves*.

Professor Brown made his Broadway debut as a playwright with *A Christmas Carol* in 1984 and as an actor in Michael Frayn's *Wild Honey* in 1986. He was also an Artist-in-Residence at the State University of New York in 1982.

In 2007, UQ awarded Professor Brown a joint UQ-Arts Queensland fellowship to develop the new play *The School of Arts*, which recently completed a premiere season in Brisbane. The play follows the story of the "College Players" troupe who toured Shakespeare through Queensland in the late 60s.

+ UQP BOOKSHELF

OMEGA PARK

Amy Barker // RRP \$24.95

Award-winning writer and UQ alumnus Amy Barker returned to Emmanuel College last year to help launch her debut novel *Omega Park*.

Ms Barker was awarded the Best Emerging Author – Manuscript Award for *Omega Park* at the Queensland Premier's Literary Awards in 2008, which included a publishing contract with The University of Queensland Press for the novel.

Faculty of Arts Executive Dean Professor Richard Fotheringham presided over the launch in September.

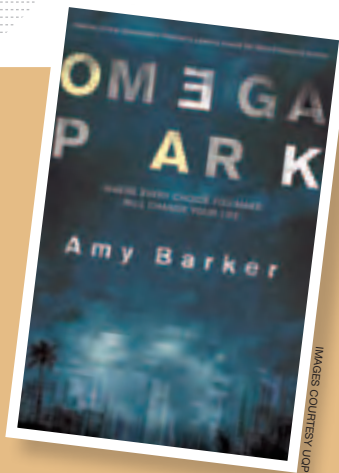
Omega Park is set in a fictional public housing estate on the Gold Coast and follows the lives of two young men as they struggle to overcome personal and societal obstacles including rioting, discrimination and isolation.

Ms Barker can identify with the story, having once lived in public housing herself. "I felt compelled to write it, drawing on experiences from my own past and also weighing in on the controversies surrounding the riots in suburbs like Macquarie Fields around the time I was writing," she said.

Ms Barker originally enrolled in a Bachelor of Arts/Laws degree at UQ, quickly realising her passion wasn't law moots but words.

As a member of the UQ Link program, which assists school leavers from financially disadvantaged backgrounds, Ms Barker was given a 12-month residence at Emmanuel College.

ONLINE // To read an exclusive extract from *Omega Park*, visit www.uq.edu.au/graduatecontact



IMAGES COURTESY UQP

THE RIVERBONES

Andrew Westoll // RRP \$34.95

Not many people would swim through a river populated with piranhas while researching their first book, but Andrew Westoll isn't your typical author.

The Canadian journalist travelled to South America to pen *The Riverbones*, and was one of the featured speakers at the 2009 Brisbane Writers Festival.

The book traces Mr Westoll's love affair with Suriname, a tiny country in South America that has the largest tract of pristine rainforest on earth and was his home for a year while researching capuchin monkeys in 2001.

After returning to Canada he couldn't shake his experiences, and decided to enrol in postgraduate studies in creative writing at the University of British Columbia.

The book gives readers an insight into the former Dutch colony, its local inhabitants the Maroon people, and the scars remaining from civil unrest that shook the country in the 1980s.

Woven through the narrative is the hunt for the bright-blue okopipi frog – an extremely rare species that lives only in Suriname.

Mr Westoll said he hoped *The Riverbones* was a rollicking read that showed the importance of preserving what's left of our planet.

"First, I hope readers enjoy the adventure. Second, I hope my book can somehow serve as a testament to Surinamese Maroon culture, a wake-up call for the Surinamese government to begin living up to the human rights treaties it signed long ago," Mr Westoll said.

"But if nothing else, I'd like readers to learn and perhaps fall in love, as I did, with Suriname itself, a remarkable little land of rivers and jungles and monkeys and tiny blue frogs just north of the Amazon that may represent our last chance to save what remains of South America's once-sprawling rainforest."

ONLINE // To read an exclusive extract from *The Riverbones*, visit www.uq.edu.au/graduatecontact



Piano man

Concert pianist Dr Liam Viney has travelled the world to hone his craft, and has now returned to Australia to help develop the talents of music students at The University of Queensland.

Dr Liam Viney has a truly international view of music, studying with a famous Russian teacher at Yale, teaching in California and performing in Europe.

Now he is back in Australia, ready to share his skill and experience with students at UQ.

Dr Viney is the new Piano Performance Fellow at UQ's School of Music and has joined the school's ensemble in residence.

A love of music, an appreciation of the whole spectrum of genres and a wide range of skills are what Dr Viney hopes to instill in his students. He hoped his teaching would give students "a lifelong relationship with music that grows deeper over time" while arming them with the skills and versatility needed to establish a musical career.

"I would like to attract creative young people to UQ who want to learn to be versatile musicians and truly be prepared for careers in this very competitive field," he said.

"This can include re-imagining a broader concept of being a pianist than the typical dream of being a soloist with the Berlin Philharmonic playing Tchaikovsky.

"While we do train pianists in that mould as well, I like to remind students that the piano can be used in so many different settings.

"At UQ I hope to encourage serious chamber pianists to explore their craft, as well as pianists who love new music by living composers.

"Participating in the creation of new musical work by helping composers create new sounds for your instrument is a phenomenally exciting part of being a musician."

After studying at Yale under renowned teacher Boris Berman, Dr Viney taught at Yale as well as the California Institute of the Arts, and performed in the US, Europe, Israel and Australia. He also won the 2001 Lev Vlassenko Piano Competition and recorded solo work for Australian radio programs.

His return to Australia has allowed him to share his knowledge and experience with young up-and-coming musicians.

"As an Australian musician, I feel a desire to give something back to the musical culture that fundamentally shaped me," he said.

"The idea is to create artistic or performance music which can constitute new knowledge. It can be an important contribution to the humanities.

"In some ways, the whole point of music is to pick up where words leave off. Music deserves to be recognised as a unique form of knowledge.



JEREMY PATTEN

"I believe we are more and more open-minded in listening to music today. We can embrace all kinds of music.

"Music connects to something fundamental about being alive. It captures everything about being alive in a beautiful way. Even if it is about something unhappy it is beautiful."

Dr Viney's two-year-old son Alex had grown up around music and could now sit through a Beethoven concerto without growing restless.

But Dr Viney and his wife, pianist Anna Grinberg, have no wish to push Alex and one-year-old daughter Tema into a life of music.

"We would like them to love music in the same way they will hopefully love literature, nature or art. But in terms of career, it's up to them to find out what will make them fulfilled," he said.

"MUSIC CONNECTS TO SOMETHING FUNDAMENTAL ABOUT BEING ALIVE. IT CAPTURES EVERYTHING ABOUT BEING ALIVE IN A BEAUTIFUL WAY. EVEN IF IT IS ABOUT SOMETHING UNHAPPY IT IS BEAUTIFUL"

+ KEEP IN CONTACT

1975 CREATIVE APPROACH TO OVERCOMING TRAUMA

Suzanne Staal, BSocWk, MMH

Helping people deal with their past and enjoy their future can be a difficult process, and for Suzanne Staal, working things out through art is a useful approach.

After graduating from a Master of Mental Health at UQ in 2008, Ms Staal now works with refugee children and their families to help them overcome trauma experienced in their home countries, often from the result of war.

"Often there are no words to express the trauma the client has experienced. The ability to express ideas, stories and feelings in a non-verbal format is very useful to such people. In addition, they often have limited or no English, so a non-verbal way of communicating is particularly helpful," she said.

Ms Staal said art therapy allowed her to combine her social work skills with her interest in art.

"It combined my love of working with people with a medium that allowed clients to work creatively. Therapeutically, the art is particularly useful because it is a primary process which taps the unconscious directly allowing hidden or partly hidden material to be brought to the conscious," she said.

"I love working with families from different cultures and I really enjoy the fact that it is a relatively new field which provides ample opportunities for experimentation with different approaches and ways of working."

According to Ms Staal, art therapy is also a useful tool for "observing family dynamics in a present context", which "can be more revealing and useful therapeutically than talking about what has been happening in the past tense".

"Children are often natural artists, so the creative activities are fun and relaxing, and able to be used in an uninhibited way," she said.

"The art and play provide the child with non-verbal activities that reveal issues the child is having difficulty mastering, and also what they find unspeakable. The use of art in communicating troubling issues externalises the problem inasmuch as the problem is separated from the individual and is able to be looked at as a separate entity."

Ms Staal said language barriers formed the most challenging part of her job.

"The use of interpreters and an understanding of the cultural background of the client adds a complexity to the work that counselling someone from one's own culture does not usually have.

"The greatest reward is in offering interventions that can be utilised by the client in order to support a more successful settlement into their new environment."



COURTESY CHRIS WALTON

1977 AWARD-WINNING ECOVILLAGE

Chris Walton, DipBus

When UQ Gatton graduate Chris Walton and his partner Kerry Shepherd wanted to invent a way people could live in harmony with nature, The Ecovillage at Currumbin was born.

The Ecovillage, an environmentally sustainable community located on the southern end of the Gold Coast at the entrance to Currumbin Valley, has attracted 26 industry awards including the 2008 FIABCI (International Real Estate Federation) Prix d'Excellence for World's Best Environmental Development.

The site provides for 147 eco-homes with a variety of living possibilities as well as extensive community facilities.

Mr Walton said the Ecovillage achieved total water self-sufficiency through domestic potable supply and wastewater recycling.

"People's homes produce most of their required energy and the project targets long-term food and material self-sufficiency," he said.

"The Ecovillage philosophy aims for better biodiversity after development and it incorporates innovative social design which focuses on creating a sustainable community for diverse needs."

While the predevelopment state featured extensive Australian and overseas research, Mr Walton said most of the good ideas came from the skills and experience he acquired while at University and subsequently when he joined the Queensland Lands Department.

In 2006, Mr Walton received the inaugural Minister's Award for Leadership in Sustainability, and in 2008 as a property developer was awarded the city's annual Environmental Citizen of the Year Award.

STEWART GOULD



1986 MAINTAINING THE SPIRIT OF INQUIRY

Bill Richmond, PhD

By the time Bill Richmond received a PhD in economic history in 1986 he had already been on the staff of The University of Queensland for many years.

Dr Richmond continues to teach part-time in the School of Economics, yet since he has stopped working on a full-time basis, his interest in helping individuals to broaden their horizons and pursue intellectual interests has extended to the other end of the age spectrum.

In order to expand the opportunities of those searching for ways to maintain an inquiring spirit, Dr Richmond has established an independent not-for-profit organisation under the title of *MindVentures*.

“People over the age of 50-something – particularly after they ‘retire’ from work and no longer have the same family commitments – are often looking for ways in which they can keep their minds active, delve into subjects

that they have never had a chance to study in depth and foster contact with others who enjoy doing likewise,” he said.

MindVentures offers regular courses and programs – in both a one-day and extended short break format – that cover a wide variety of subjects including the arts, social sciences and science. The activities are held both in Brisbane and different locations in eastern Australia.

“Many programs have drawn on staff and postgraduate students of the University to present components, and we have also been able to showcase University facilities and provide a valuable link between the University and the community,” Dr Richmond said.

“We’ve been particularly pleased also to be able to use the services of many retired members of staff who have found an avenue to maintain their passion for communicating their knowledge to interested people.

“One of our most enjoyable and



COURTESY BILL RICHMOND

Dr Richmond outside the Stockman's Hall of Fame at a *MindVentures* program in Longreach

stimulating programs, for example, was on Heron Island and coordinated by staff of the University's research station on the island.

“And we have regularly drawn also on current and retired classics and ancient history academic staff, with some programs incorporating a visit to the University's Antiquities Museum.”



COURTESY AMANDA ASHBY

1988 AUTHOR GOES BEYOND THE GRAVE

Amanda Ashby, BA

Since graduating from UQ, Amanda Ashby has battled zombies and received messages from beyond the grave.

As an author, Ms Ashby regularly delves into other worlds, and has had two novels published in the US.

You Had Me at Halo is about a girl looking down on her funeral. Her latest novel, *Zombie Queen of Newbury High*, sees Mia, desperate to get school jock Rob to be her date for the prom, cast a love spell that accidentally turns out to be a zombie virus which infects her classmates.

While still at university, Ms Ashby had no idea she would be writing novels, especially ones nominated for awards.

“Of course when I look back now all the clues were there. I was good at English, loved reading and had a bad habit of rewriting television shows and books in my head—normally giving myself a starring role,” she said.

But is the novelist and mother-of-two's lifestyle all glamour?

“I wish! In fact when I sold my first book I put in an order for a naked pool boy to come along and peel my grapes but he never turned up,” Ms Ashby said.

“The truth is that I know a lot of authors and I've yet to see anyone who fits the stereotype. In fact most of them just look like normal people, apart from the vague look they occasionally get as their mind wanders off to grapple with a pesky plot point or a misbehaving character.”



COURTESY KAVIENE BOGGS

1991 PHD EXAMINES AMBUSH MARKETING

Sarah Kelly, BCom, LLB (hons), MBA, PhD

For most of the world, the lighting of the Olympic flame in Beijing was a moment in history.

But for University of Queensland researcher Sarah Kelly, it was also a well-planned ambush.

Dr Kelly graduated in July 2009 after spending three years studying the practice of ambush marketing.

Dr Kelly's PhD, titled "Ambushers or Sponsors? An Examination of Sponsorship Linked Marketing", looks at the impact upon consumers of sponsorship advertising at major events and its relationship to ambushing.

Ambushing is a creative marketing strategy, where companies form an association with an event without legitimately securing sponsorship.

Dr Kelly's research focused on ambushing at sporting events and the effects of ambushing on the value of sponsorship for companies.

"You get free-riding competitors like Li Ning, the Chinese sporting brand whose namesake chairperson so memorably lit the Olympic flame," she said.

"There are also more subtle ambushing practices of securing lower-tiered sponsorship of individual athletes or teams, while effectively diluting top-level sponsorship of the event by category competitors.

"A key finding of the research is that the presence of ambushing can potentially weaken consumer recall for true sponsors and that adequate leveraging of sponsorships by legitimate sponsors can combat the adverse effects of ambushing."

Dr Kelly said her research showed companies could take steps to ensure their sponsorship dollars were well spent by budgeting for sponsorship-linked advertising to leverage the brand-event connection once sponsorship was secured.

Dr Kelly's journey to the podium to collect her PhD has been a long one – after a career in law and completing an MBA, she completed her doctoral research while juggling lecturing and tutoring and raising four young children.

"It was an inch-by-inch, incremental approach," she said.

"I wrote a lot in my pyjamas late at night after the kids had gone to bed."

1991 YOUNG ADULTS FIND COMFORT IN BEDTIME STORIES

Richard Newsome, BEcon (hons)

From bedtime story to bestseller, UQ economics alumnus Richard Newsome has bridged the literary gap with his award-winning debut novel *The Billionaire's Curse*.

After numerous rejections, Mr Newsome's offering took out the Text Prize for Young Adult and Children's writing at last year's Melbourne Writers Festival, which included a coveted publishing deal and \$10,000.

Initially told as a series of bedtime stories to his two eldest children, the grand adventures of Gerald and his ill-fated inheritance have taken the young adult genre by storm.

Although the book was not scheduled for release until early August 2009, leaked copies returned rave reviews across North America and Europe leading to a promise of two more instalments. It wasn't always a straight road for the ex-international strategy consultant, who deferred his first year of university to work for a local newspaper.

Six years and several million words later, the now seasoned journalist finally made it back to the University to complete an honours degree in economics.

When asked about his wide range of career choices, Mr Newsome reflected on changing career paths and the current economic climate.

"I learnt many things in my degree but the greatest lesson was that you don't have to stick to one path in life," he said.

"I think the current global financial crisis will change the way people think about their careers. People will be reassessing their objectives and what they want to achieve in life."

Mr Newsome describes writing the book as his own personal Everest, saying that a childhood love of writing had now become the ultimate goal for the father-of-three.

Book one of *The Billionaire's Curse* was released in Australia and New Zealand in August and will be published in the US, Canada, Germany, Poland and Italy this year.

Mr Newsome also appeared at the Graceville School Fete on August 29 to auction off one character's name for the upcoming instalment, raising funds for the school.

Richard Newsome toured India last year to research the sequel to *The Billionaire's Curse*



COURTESY RICHARD NEWSOME



COURTESY PETER CARR

1995 MILLION DOLLAR QUESTIONS ANSWERED

Peter Carr, BA

A UQ graduate heads up an organisation that is helping businesses make multi-million dollar decisions.

Peter Carr is managing director of Longhaus, an information communication technology research and advisory company that examines trends in the global ICT market and advises companies on how those trends impact the Australian economy.

Mr Carr said Longhaus had worked with companies including IBM and Microsoft to develop strategies for the Australian market, and recently signed a five-year partnership with the Queensland Government.

The commercialisation agreement involves Longhaus having exclusive access to information about \$2.3 billion worth of Queensland Government ICT assets so the company can provide detailed insights into the state's portfolio, Mr Carr said.

"As such, the Longhaus Baseline is an invaluable service that assists researchers on both the government and supplier sides of the market to accurately plan everything from strategy development and procurement activities to competitive tendering," he said.

"The commercialisation agreement with the Queensland Government is an Australian and international first."

Mr Carr's career started in book publishing after he studied literature at UQ – an unlikely beginning, but one he said prepared him for his current role heading up the research company.

"Back then, I thought that reading 13 novels a term and pumping out five or six assignments was intense," he said.

"That was before I started working and found I had to read and review at least one book a week.

"Since moving into research, I spend most of my time reading, reporting and speaking, which requires an incredible amount of preparation.

"While I wasn't an honours student, I certainly can't underscore enough the analytical grounding and frameworks I received at University."

"BACK THEN, I THOUGHT THAT READING 13 NOVELS A TERM AND PUMPING OUT FIVE OR SIX ASSIGNMENTS WAS INTENSE. THAT WAS BEFORE I STARTED WORKING AND FOUND I HAD TO READ AND REVIEW AT LEAST ONE BOOK A WEEK"



COURTESY NICK CROCKER

2004 HUNTER OF ONLINE MUSIC

Nick Crocker, BA

Record labels have previously been threatened by the rise of music sharing on the internet, but one UQ graduate is helping them put the online chatter to good use.

The Arts alumnus is the co-founder of We Are Hunted, a website that uses blogs, forums and social networks such as Twitter and Facebook to track the 99 most popular songs online each day.

Nick Crocker, who also runs internet innovation company Native Digital, said he came up with the idea for We Are Hunted after realising how much musical activity there was online.

"I figured it would be worth somehow tracking all that chatter but the problem was, I didn't know how," he said.

"It wasn't until I sat on an industry panel with the founder of Wotnews, Stephen Phillips, until I realised that the technology was there and available and Brisbane-based.

"Stephen and I chatted over a beer after the event and within a week we struck up a partnership that became We Are Hunted."

Mr Crocker's first hints of his future in music and business came while he was a student at UQ, writing about the local music scene and profiling young entrepreneurs for the *Sunday Mail*.

He became general manager at a digital music company before launching Native Digital, which consults to companies including record labels, helping them evolve their presence and engagement online.

As well as being a resource for recording companies to track what is popular, Mr Crocker hoped We Are Hunted provided a way for music fans to discover new bands.

"If we can open people up to new music in new ways then we will have created something very special," he said.

+ KEEP IN CONTACT

2004 TECHNOLOGY KEEPS UQ ALUMNUS SEARCHING

Oscar Pozzobon, MPhil

Security concerns about the rise of surveillance technology has inspired a UQ graduate to form an award-winning company.

Oscar Pozzobon was named one of 50 leaders in 2006 by *GPS World* magazine for his work with Qascom, which he founded in Italy after completing a masters degree in telecommunications engineering.

"Satellite navigation has become the fifth public utility after gas, water, electricity and communication systems," Mr Pozzobon said.

"Every recent mobile phone sold in the EU has GPS and a navigator integrated. It helps for pedestrian and car navigation as well as to remotely locate your loved ones."

Qascom is currently involved in two major projects known as IMSK and TIGER, with both feeding into a landmark European GPS initiative named GALILEO.

IMSK combines technologies for area surveillance, checkpoint control and biological and nuclear weapon detection, and can also be used for VIP protection in places such as hotels and

music festivals where mobile security is required.

The TIGER project involves building technology that will permit data access and encryption based on a person's location obtained by GPS.

"In addition, the technology can be used to attest the position and time that a document or email was digitally signed and can enhance security audits," Mr Pozzobon said.

GPS technology that we take for granted today became operational in 1995 after decades of research and development by the United States Government.

"The fact that after the creation of the GPS and the Russian GLONASS other countries such as China, Japan and those in the EU began to develop satellite navigation systems proves the importance of this technology both in the civil and military domain," he said.

Mr Pozzobon said he was thankful for the opportunity to study under Emeritus Professor Kurt Kubik, a world leader in the field, and hoped to return to UQ one day to share his research with other engineers.



COURTESY RAYMOND CHOO

2005 FULBRIGHT SCHOLARSHIP FOR BUSINESS GRADUATE

Kim Kwang (Raymond) Choo, GDipBA

UQ Business School Alumnus and cybercrime expert Dr Kim Kwang (Raymond) Choo has been awarded a 2009 Fulbright professional scholarship.

Sponsored by the Department of Foreign Affairs and Trade, the Australia-US Alliance Studies Scholarship will allow Dr Choo to undertake research into the current and future trends in cybercrime at Rutgers University's School of Criminal Justice in New Jersey, and the Palo Alto Research Center in California.

"Criminals and others with malicious intent have, undeniably, recognised the value of leveraging information and communications technologies to facilitate or enhance the commission of crimes and are dynamic in identifying new opportunities and ways to overcome counter-measures," Dr Choo said.

Dr Choo enrolled in UQ Business School's MBA program part-time in July 2004 while undertaking his PhD in Information Technology at QUT.

"I decided to undertake part-time studies with UQ mainly due to UQ's reputation in delivering quality education and also UQ has a focused and targeted MBA degree with a flexible structure," he said.

"I would not have submitted one of my assignments to a journal for peer review if not for the encouragement from my lecturer, Dr Peter Clutterbuck."

The article was later published in the journal, *Information Management & Computer Security*.

Dr Choo works for the Australian Institute of Criminology, Australia's pre-eminent national crime and criminal justice research agency.

His research for the institute encompasses the criminological aspects of technology-enabled crime as well as money laundering and terrorist financing through exploitation.



COURTESY OSCAR POZZOBON

2006 SMILING FOR SMIDDY

Jade Myers, BArch (hons)

When Brisbane physiotherapist Adam Smiddy passed away in 2006 his death shocked the UQ community.

Mr Smiddy, a UQ graduate and former King's College resident, was only 26 when he lost a short battle to an aggressive melanoma, leaving behind an indelible mark on those who knew him.

Born from the grief is the annual Smiling for Smiddy Challenge – a gruelling 1600 kilometre cycle from the UQ Aquatic Centre in Brisbane to Home Hill to raise funds for cancer research in memory of Mr Smiddy.

UQ graduate architect Jade Myers, who felt the impact Adam's sudden death had on mutual friends, joined the trip last year.

The 27-year-old works in the Brisbane studio of BVN Architecture and rides to his office in Fortitude Valley during the week.

Mr Myers set off with 50 other riders on September 5 on a gruelling 1600km journey across eight days, arriving in Home Hill in the state's north on September 12.

"I was asked by a friend to join the ride this year and jumped at the opportunity



BARRY ALSOP

UQ architecture graduates Bill Elyett, Jade Myers and Phil Tillotson at a training session for last year's challenge

to be involved because Adam was an incredible guy and his death was such a tragedy," Mr Myers said.

"Many of my friends knew him well and the ride organiser was one of his close mates and shares a lot of emotional memories with the ride group – he is certainly missed by many."

Smiling for Smiddy began three years ago and since then has raised more than \$600,000 for cancer research.

The Adam Smiddy Cancer Fund at the Mater Foundation sees the money distributed to a variety of initiatives, including prostate cancer research and melanoma drug trials.

2006 FUTURE IS GREEN FOR CHEMICAL ENGINEER

Arthur Kollaras, MPhil

A background in chemical engineering does not necessarily spell a future in oil, gas or mining, UQ alumnus Arthur Kollaras has discovered.

The Master of Philosophy graduate has turned his education into a career developing green technologies as Manager of Bioprocess Engineering with yeast research company Microbiogen.

Mr Kollaras' role involves adapting traditional yeast-dependent processes used in baking and brewing to produce cellulosic ethanol, which is produced from wood-derived sugars.

"THE ERA OF CHEAP OIL FOR TRANSPORTATION FUEL IS COMING TOWARDS AN END. OUR DEMAND AND DEPENDENCE ON SUCH A FINITE RESOURCE IS A HIGHLY CHARGED POLITICAL FOOTBALL"

"The era of cheap oil for transportation fuel is coming towards an end," he said.

"Our demand and dependence on such a finite resource is a highly charged political football. Ethanol is a clean-burning and renewable liquid fuel.

"It can be converted relatively cheaply and efficiently from starch or glucose sugars into 'beer' using *Saccharomyces cerevisiae*, the same type of yeast used for thousands of years for baking and brewing."

Crops including corn, wheat, sorghum, cassava and sugarcane can be used to produce ethanol, and Mr Kollaras said Microbiogen was refining the process, through the adaption of non-genetically modified yeasts, to allow them to use plant shoots, stems, fruits and leaves.

"The challenge of developing high volumes of cheap ethanol and protein from agricultural wastes is being addressed," he said.

"For ethanol to be considered as a true substitute to petroleum, the next generation of ethanol-plants need to be able to use the whole accompaniment of 'wood sugars' by converting them into value added products, which not only include ethanol, but high protein animal feed supplements.

"It is exciting and rewarding

to be part of a fledgling industry working towards securing sustainable biofuels for transportation."

Mr Kollaras said he hoped his career path would encourage chemical engineering students to consider environmentally friendly options.



COURTESY ARTHUR KOLLARAS

+ KEEP IN CONTACT

2007 LOVE OF PHILIPPINES LURES LAW EXPERT

Noel Ramiscal, PhD

When Noel Ramiscal completed his PhD in law in 2007, the decision to return to his adopted province Calamba, Laguna, in the Philippines proved the right one.

Through his appointment as University Prosecutor and Associate Professor at the University of the Philippines Los Baños College, Dr Ramiscal has close to 100 students under his leadership every semester.

His role includes teaching business law to graduate and undergraduate students, as well as literature and philosophy courses to undergraduate students.

He has successfully prosecuted hundreds of respondents in his time as University Prosecutor with cases ranging from misconduct to murder. Now, he serves as special advocate for the university on selected crucial cases that involve faculty, employees and students.

"At the moment, there are only three lawyers in this academic community of more than 11,000 people and I am the only prosecutor and academic with legal expertise on electronic data," he said.

"I have been asked and I actually did a critique of the cyber privacy and cyber crime bills and I also submitted my own version of the cyber crime bill as requested by the



Dr Ramiscal with his mother Juanita

COURTESY NOEL RAMISCAL

Commission of Information Communications and Technology."

The Philippine Australian Alumni Association together with the Australian Embassy in December 2008 awarded Dr Ramiscal the first Outstanding Alumnus Award for his work in utilising what he learned in Australia for the service of his country.

Dr Ramiscal was also awarded the Freeman Foundation Fellowship in 2008, and travelled to Austria to deliver a paper

on the legal implications of electronic data on business ventures at the Salzburg Global Conference.

"At the beginning, there were times that I questioned why I came back, but the call of public service has always been strong and my mother, Juanita Ramiscal, recently retired from public service after 36 years at the Department of Justice. All these and more reminded me why the Philippines is worth coming back to," he said.

2008 PROTECTOR OF AUSTRALIAN LIVESTOCK

Amy Burroughs, BVSc (hons)

Working on the frontline of Australia's exotic disease control is all part of a day's work for veterinary science graduate Amy Burroughs.

Based in Rockhampton, Dr Burroughs is a graduate veterinary officer with Biosecurity Queensland where she is employed to protect Australian herds from diseases such as foot-and-mouth and mad-cow disease, Equine and Avian Influenza and Hendra Virus.

Dr Burroughs initially studied veterinary science with a view to pursuing small animal practice, however in the last two years of her degree she developed a keen interest in public health and emerging infectious zoonotic diseases – those that can be passed from animals to humans.

"My role so far has involved going out to properties in central Queensland experiencing significant losses in production or a significant number of deaths in their animals," Dr Burroughs said.

"By responding to such disease outbreaks,

we can make sure that if a significant exotic disease were to enter Australia, it would be detected sooner rather than later.

"The most exciting aspect of this job is the opportunity I have to be part of the first response to incursions of exotic diseases which could have a negative impact on animal health, the productivity of Australian animal herds and human health."

Dr Burroughs knows too well the industry implications of a disease outbreak and is always on the lookout for likely points of entry into the country, a skill she learned during her time at UQ.

"The outbreak of disease could threaten our ability to export and thus would affect the income of many producers," she said.

"On a domestic level, the Australian public may lose confidence in the safety of our food; again producers would lose income. There would be a great cost to industry, the government and to individuals in the control of such diseases.

"The degree at UQ provided me with the knowledge of diseases, how to obtain a thorough history from clients, how to go out and perform a post-mortem and how to investigate the outbreak of a disease – all very important in enabling me to perform my current role satisfactorily."



COURTESY AMY BURROUGHS



JEREMY PATTEN

2008 LAW AND ECONOMICS COMBINE AT HARVARD

Tom Gole, BEcon (hons), LLB (hons)

Tom Gole's vision to find the best economic and legal responses to the current global challenges has won him a fellowship to study at Harvard University.

A graduate of UQ's School of Economics and the TC Beirne School of Law, Mr Gole departed for Harvard in August last year.

"Today's society is encountering new challenges on an almost daily basis and economics and law are two of the primary fields shaping how we respond," Mr Gole said.

"We need to rethink how markets are designed, how resources are allocated, and how to effectively handle the global cycles of boom and bust."

Mr Gole received one of three Australian Frank Knox Memorial Fellowships earlier this year after completing a Bachelor of Economics and Bachelor of Laws dual degree program and economics and law honours years.

The funding provides for students to undertake graduate study at Harvard and fellows are selected on the basis of "future promise of leadership, strength of character, a keen mind, balanced judgment and a devotion to the democratic ideal."

Mr Gole credits his award of the Harvard Fellowship to the knowledge and skills he gained while studying at UQ.

"Many academics at the School of Economics and the TC Beirne School of Law are recognised internationally as leaders in their respective fields and studying these two disciplines has given me a solid grounding for the future," he said.

"Economics is the study of how choices are made, while law is the study of how interactions are regulated, and the two make a comprehensive picture of how society is, and ought to be, regulated."

Mr Gole is undertaking a PhD in economics at Harvard.

"Ideally I'd like to work in government, the private sector and academia as I believe that by moving between these three fields I'll be able to make the most worthwhile and greatest contribution to the challenges of our day," he said.

2009 OLYMPIC EXPERIENCE FOR UQ GRADUATE

Katherine Gould, BRTP (hons)

When Katherine Gould completed her degree her sights were set on flying to the home of the Olympic Games to attend the IOA 17th International Seminar on Olympic Studies for Postgraduate Students.

Ms Gould, a Bachelor of Regional and Town Planning graduate, was awarded a place in the month-long seminar, run by the International Olympic Academy (IOA) in Greece.

As a participant, Ms Gould was involved in talks regarding all aspects of the modern and Ancient Olympic Games, and she also presented a paper regarding the post-utilisation of mega-event facilities.

Her prior research had indicated that the scale and impact of mega-events had dramatically escalated in recent decades.

"The appropriate planning of mega-event facilities has become an increasingly important topic of discussion and debate," she said.

"Mega-events are extremely difficult to plan for due to the large scale multi-faceted nature of the project and the lasting physical impacts associated with their development, which stretch decades into the future of a city.

"More often than not in recent decades, the sport facilities used to host Olympic events become the landmarks of the host city and in some cases the country.

"So it's critical that facilities built to host the Olympics are appropriately planned before, during and after the Games to ensure these landmarks are functional and provide long-term benefits for the host city."

Ms Gould said being accepted as one of just 35 students internationally to attend the IOA seminar would not have been possible without a bit of luck, hard work and the help of Planning Program Director Associate Professor John Minney, and Dr Ian Jobling, Honorary Reader and Director of the Centre for Olympic Studies.

"UQ has opened doors I never thought possible and the School of Geography, Planning and Environmental Management in particular has been extremely supportive, helpful and generous," she said.

"Had I not attended UQ, the possibility of being nominated for such an amazing opportunity would not have occurred.

"UQ provides not just the knowledge necessary to be successful, and the drive to want to do so, but also the contacts to ensure that that knowledge and drive are put to good use."

"MEGA-EVENTS ARE EXTREMELY DIFFICULT TO PLAN FOR DUE TO THE LARGE SCALE MULTI-FACETED NATURE OF THE PROJECT AND THE LASTING PHYSICAL IMPACTS ASSOCIATED WITH THEIR DEVELOPMENT, WHICH STRETCH DECADES INTO THE FUTURE OF A CITY"



COURTESY: KATHERINE GOULD

MIRROR IMAGE

WIBBOB IMAGE

A Sydney artist has harnessed the power of surprise and the forces of gravity to win a major art prize established by UQ.

Julie Rrap received the \$50,000 University of Queensland National Artists' Self-Portrait Prize on November 27, edging out 33 other entries from across the country and the Torres Strait.

Judge Elizabeth Ann Macgregor, Director of the Museum of Contemporary Art in Sydney, said Ms Rrap's video entry, *360° self portrait*, was the outstanding work in a strong field.

"Julie Rrap's entry is an ambitious and ambiguous piece. The viewer is drawn in by the emotional drama, as the morphing face appears to reflect some inner turmoil or react to something beyond the camera. In reality, the changes are the result of centrifugal force as the artist spins through 360°, the title of the work," Ms Macgregor said.

To create the self-portrait, the artist was installed into a machine which rotated the artist's body as a camera recorded the action.

The viewer watches the artist's face as it contorts due to the forces of gravity, but is unaware of the mechanics behind the work.

The biennial prize was established in 2007 and complements the University's special collection of self-portraits, the only one of its kind in the country.

"Entry to this award is by invitation only, and we were delighted by the high standard of works that artists submitted in 2009," UQ Art Museum Director Nick Mitzevich said.

Julie Rrap is one of Australia's most prominent artists, working in the areas of photography, video, sculpture and installation.

Her work has been featured in major Australian and international exhibitions including the Biennale of Sydney in 1986, 1988 and 1992, with a major survey, *Julie Rrap: Body Double* on show at the Museum of Contemporary Art in 2007-08, accompanied by a comprehensive monograph featuring her work.

Mr Mitzevich said new media, particularly video and multimedia, has had a significant impact on the changing nature of portraiture.

"Whether artists are using the self-portrait to mask or reveal the self, or employ non-representational modes as a form of self-portrayal, it is clear that the genre of the self-portrait has been revitalised in recent years," he said.

The self-portrait prize exhibition was the UQ Art Museum's final show of 2009 and attracted thousands of visitors between November and January.

ONLINE // View a photo gallery from opening night at www.uq.edu.au/graduatecontact



Julie Rrap in front of her winning entry, *360° self portrait*



Amanda Marburg's entry *Melbourne Longneck*



Humpty away from home by Christian Bumbarra Thompson