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OF QUEENSLAND
AUSTRALIA

100
YEARS AHEAD

GRADUATE
contact
SUMMER 2010

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INDIGENOUS
ART SURVEY LINKS
PAST AND PRESENT



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+ FROM THE CHANCELLOR

Welcome to the Summer 2010 edition of *Graduate Contact*.

Much has happened since the Centenary issue was published in February, and there's certainly a celebratory vein running through this edition.

Events to mark UQ's first 100 years included the incredible Aurukun art exhibition you see on the cover, large-scale community celebrations, and more formal affairs involving staff, students, industry partners and alumni from around the world. These events are captured in a feature starting on page 9 which will hopefully give you a snapshot of the year that was.

Appropriately for a milestone year, the University has realised several large projects which signal the next generation of our discovery, learning and engagement activities. Pharmacy students have relocated to the PACE precinct (a custom-built facility created in collaboration with industry and the State Government), while the veterinary science cohort have made the long-awaited move to Gatton. The \$100 million suite of facilities at Gatton is truly world-class, providing our students with the most comprehensive animal research and training experience in Australia.

Such projects require foresight, hard work and above all, strong leadership. This was brought into focus with the passing of former Chancellor and long-serving Senator Sir James Foots in August. A tribute can be found on pages 26–27 which highlights Sir James's astuteness and generosity, and honours the legacies established during his tenure.

Recognising the role our graduates play in shaping and supporting the University is a priority for UQ, and was a key point of discussion during the inaugural Alumni Summit in July. Included in this issue are stories about Dr Ron Thomson, whose passion for pathology will ensure the discipline has a healthy future at UQ, and Graeme Wood, whose investment in the Global Change Institute has allowed important cross-disciplinary research to become a reality.

I'd like to take this opportunity to congratulate the *Graduate Contact* editorial team for winning a national award for excellence recently. This affirms the work undertaken to create a matching website for the magazine, and suggests we are on track to engage effectively with our increasingly diverse alumni community.

Happy reading.



John Story
Chancellor

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SCIENCE SNAPSHOT

View a stunning gallery of wildlife images taken during a research trip to Canada

www.uq.edu.au/graduatecontact

COVER: Aurukun artist Stanley Kalkeeyorta at the opening of the *Before Time Today* exhibition in September. Image: David Sproule

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PARTNERSHIPS FOR THE FUTURE

By Vice-Chancellor Professor Paul Greenfield AO



DAVID SPICULE

The embarrassment of riches from UQ's first 100 years was always going to present challenges when it came time to mark the Centenary. How to appropriately celebrate the contributions of some 180,000 graduates and innumerable staff, partners and friends in the community? How to give people scattered through 150 countries opportunities to connect or reconnect with their *alma mater*? Perhaps most importantly: how to honour the legacy of the "builders" of the first 100 years by joining with 21st century alumni to cement future success?

The first major celebrations pivoted around the official birthday of the University Senate, in April. Some 15,000 people converged on the St Lucia campus one Sunday to sample a UQ smorgasbord that included conversations with acclaimed literary alumni, guided tours of the Great Court, entertainment by UQ musicians, and UQ museum tours.

1994 Alumnus of the Year, Queensland Governor Dr Penelope Wensley, began an oration series that comprised a string of eminent speakers, including a Nobel laureate, the Director-General of UNESCO, and 2005 Alumnus of the Year, Dow Chemical CEO Dr Andrew Liveris.

Alumni also commanded centre stage during and around the first weekend in July. The biggest-ever Courting the Greats audience witnessed the crowning of Sir Llew Edwards, Dr Nat Yuen and Robert Dann as Centenary Alumnus of the Year, International Alumnus of the Year and Young Alumnus of the Year respectively. That same day, Governor-General Dr Quentin Bryce, 2008 Alumnus of the Year, unveiled two Great Court carvings by alumna Dr Rhyl Hinwood: badges of the Queensland University Regiment and Squadron. A special Centenary feature covering these events and others begins on page 9.

Throughout 2010 I have had the good fortune to catch up with UQ people based far and wide. At last count, the University has

"THE UNIVERSITY HAS CHARTED ITS OWN ASPIRATIONS, AND THEY CENTRE ON CONTINUING TO FOSTER LEADERS FOR AN INCREASINGLY COMPLEX AND INTERCONNECTED WORLD, WHILE NEVER CEASING TO LIFT RESEARCHERS' CAPACITY TO CONFRONT GLOBAL CHALLENGES"

hosted reunions of graduates in 12 countries and 22 cities, while colleges, faculties and schools organised smaller events for their alumni.

Not all reunions can be joyous, as was shown when many people were drawn together by the death of former Chancellor Sir James Foots. More about Sir James's extraordinary legacy can be found on pages 26–27.

Regardless of the occasion's cause, I encountered high-performing alumni. The more of them I meet, the prouder I feel to be part of this University, and the more clearly I understand why UQ is widely regarded as being in the top one percent of the world's universities.

The University has charted its own aspirations, and they centre on continuing to foster leaders for an increasingly complex and interconnected world, while never ceasing to lift researchers' capacity to confront global challenges. For instance, we want to:

- Expand the value and range of scholarships, including for research higher degree candidates and students from Indigenous and disadvantaged backgrounds;

- Improve access to options such as overseas study exchanges, internships in Australia and internationally, and mentoring by alumni;

- Lift the proportion of students who are postgraduates (without substantially growing the total student population); and

- Offer research higher degree students more advantages that are distinctive to UQ.

International experience shows universities only soar when alumni and partners are part of the propulsion. My senior colleagues and I are talking to graduates and partners as well as students about UQ's direction and inviting consideration of ways to help elevate the University's reputation. It goes without saying that we do not expect loyalty and service without a quid pro quo, so we ask what sort of returns alumni and others expect from the relationship.

Some contributions are so lofty that they defy commensurate recognition. It will be a challenge to properly acknowledge alumni such as Graeme Wood, Andrew and Jennifer Brice and Dr Ron Thomson, or The Atlantic Philanthropies and its founding chair, Chuck Feeney. Adequate acclaim is even more elusive when people give anonymously, shun publicity, contribute in non-financial ways, or die before their vision is realised.

The gold standard philanthropist of UQ's early decades, Dr James Mayne, must have had uncanny insight. He knew his support would be essential to the consolidation of a university offering the standard and breadth of education needed in the young state of Queensland. Could he have known that his example would be as important in UQ's second century as it was in the first? His bronze likeness, sculpted this year by Dr Hinwood, is installed in the main entrance to the Forgan Smith Building. It carries meaning on many levels, not least as a reminder of the heights that can be reached when people of goodwill imagine a bold future for the University.

UQ BUILDS ITS OWN SOLAR SYSTEM

AN IMPRESSIVE ADDITION TO AUSTRALIA'S SOLAR ENERGY NETWORK IS BEING BUILT ON THE ROOFTOPS OF UQ ST LUCIA.

The University is making a bold investment in green energy with its \$7.75 million, 1.2 megawatt photovoltaic solar array, which is due for completion at the end of this year.

The panels will be installed on the two multi-storey car parks, the UQ Centre and the Sir Llew Edwards Building.

Deputy Director of Property and Facilities Geoff Dennis said the system was expected to generate about six percent of the St Lucia campus's average peak demand and 1.6 percent of its annual electricity usage, resulting in a \$6 million saving on electricity costs over the next 15 years.

"The system will recover its own cost in 15 years — or sooner, depending on future power prices — but it will have a life of about 25 years," Mr Dennis said.

Brisbane firm Ingenero won the tender to build the system, with Trina Solar supplying the panels.

"The innovative deal signed between UQ and Ingenero was made possible by a \$1.5 million contribution from the Queensland Government and substantial contribution from our technology partners," Mr Dennis said.

"This was achievable because all parties saw the value of engaging with UQ's research capabilities, and from gaining access to the system's valuable performance data."

Professor Paul Meredith, a senior researcher with the School of Mathematics and Physics, worked for 18 months designing the system and negotiating the government and corporate partnerships that made the deal possible.

"Everyone wanted to be involved," Professor Meredith said.

"This really is a very important project. Research-wise, it is at the cutting edge globally. From a national perspective, it is a very significant piece of infrastructure."

Professor Meredith said UQ electrical engineering experts would use the system to research ways of feeding electricity into grids from stand-alone generating plants.

This would pave the way for numerous greenhouse-friendly power generating plants — including solar, wind, wave and biomass — to start feeding into electricity grids everywhere.

The system's performance data will also be streamed live to the

Internet for use by schools or anyone with an interest in solar power.

Professor Meredith said the solar power plant catapulted UQ into the big league of solar research, and the new infrastructure was "the envy of other universities".

In April, Queensland Premier Anna Bligh announced a grant of \$1.5 million towards the project.

She noted the system would save about 1750 tonnes of greenhouse gas emissions annually — equivalent to taking 335 cars off the roads each year. The panels themselves will cover an area equivalent to about one-and-a-half rugby fields.

Eyes on the sky: Professor Paul Meredith with solar cells on top of the Sir Llew Edwards Building



STEWART GOULD

GLOBAL CHANGE INSTITUTE EXPERTS FOCUS ON SUSTAINABLE SOLUTIONS

The Global Change Institute (GCI), which addresses the problems of a rapidly changing world, was launched in March by Dr Penelope Wensley, Governor of Queensland.

Vice-Chancellor and Global Change Institute Board Chair Professor Paul Greenfield said the GCI represented a significant commitment by the University to focus on global problems.

"To tackle these challenges effectively you need the best minds from different fields of research, all working together," he said.

"UQ has many brilliant people across the spectrum of research who will investigate ways of anticipating and responding to global change."

GCI Director Professor Ove Hoegh-Guldberg said the institute would focus on some of our biggest challenges: climate change, population growth and changing technology, and would draw on expertise from around the globe.

"The GCI is about helping the communities of a changing world find long-term, sustainable solutions," he said.

"What is exciting about this challenge is

that many of the technologies and approaches already exist. All we need to do is to work out how to implement them."

The new \$30 million building to house the GCI (pictured) — to be built next year — will be an example of modern green technology in action.

Made possible by a \$15 million gift by alumnus and co-founder of Wotif.com Graeme Wood, the building will employ sustainable design, construction and operating practices. It will house the control room of Australia's largest flat panel solar photovoltaic electricity generator to be constructed at the St Lucia campus.

The PV system will reduce the campus's peak electricity consumption and decrease carbon emissions by 1.14 kt CO₂-equivalent per annum.

Mr Wood encouraged other successful Australians to join him in supporting the GCI.

"If we want to make a genuine impact on global issues concerning the environment and the effects of rapid population growth, the investment has to be substantial," he said.

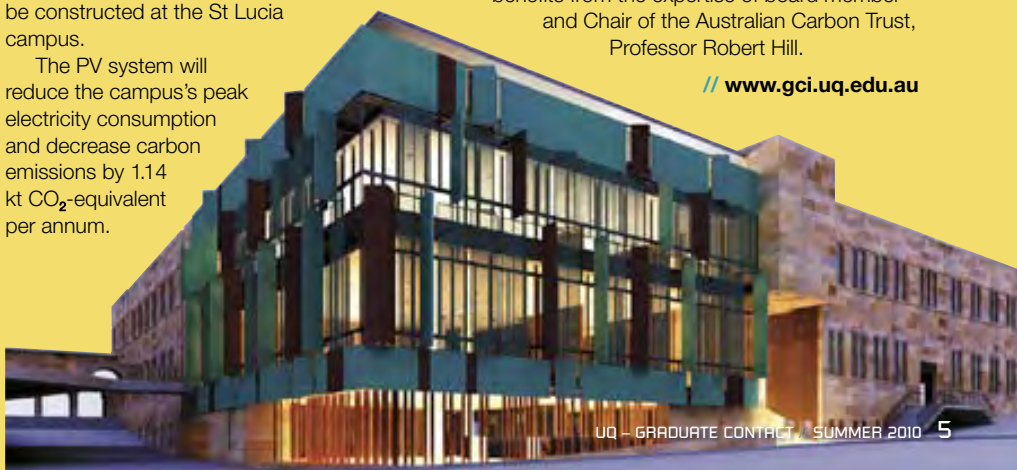
"I call upon the business community, government and individuals to assist UQ in solving these complex and pressing global issues."

Professor Hoegh-Guldberg said the GCI aimed to consolidate UQ as a leader in the analysis of complex problems, while providing a platform for both UQ researchers and the community.

Deputy Directors Professor Andrew Griffiths and Mr Barry Ball bring decades of experience to their roles, and the institute also benefits from the expertise of board member and Chair of the Australian Carbon Trust, Professor Robert Hill.

// www.gci.uq.edu.au

COURTESY GCI





On the crocodile trail

Story by Fiona Cameron
Photography by Jeremy Patten

“AS WELL AS THE POLITICAL AND MINING ISSUES, THE AREA’S REMOTENESS AND INACCESSIBILITY DURING THE WET SEASON CAN MAKE FOR GRUELLING WORK”

Browsing the news, checking emails and eating breakfast are early morning priorities for many people.

But not Professor Craig Franklin. The first thing he does at home in Brisbane each day is check on the whereabouts of 13 estuarine crocodiles — which are spread across Cape York in far north Queensland.

After numerous trips to the remote Wenlock River region, Professor Franklin’s research team from the School of Biological Sciences has attached satellite trackers to the

crocodiles, allowing their individual movements to be monitored remotely, in precise detail.

“Each colour here is a different crocodile, and each point is a position fix,” he says, pointing to the Google Earth image that he scans so intently each morning.

“The amazing thing about this new technology is its accuracy. You can go right in and find a spot like this here — a high-activity zone. You can see, even along creek beds, exactly where the crocodiles are.”

It’s all about the science for the researcher and his colleagues, but their involvement with the Cape’s ecology has also thrust them into a high-profile battle involving the State and Federal Governments, the “wildlife warrior” Irwin family, Indigenous groups and a bauxite mining company.

Professor Franklin and his team work on the Steve Irwin Wildlife Reserve,

a 1350sq km area of spring-fed wilderness wetlands about 80km north of Weipa.

The Irwin family — which runs the Australia Zoo tourist park north of Brisbane — bought the Cape York land in 2007 with the help of a \$6.3 million Federal Government grant, and runs it as a conservation and scientific reserve in memory of Steve Irwin, the conservationist and international media star who died in 2006.

After the Irwins acquired the Cape York property as part of the National Reserve System, it seemed the land and its wildlife



would be protected forever — but then in 2008, lease applications were lodged with aims to establish one of the world's 10 largest bauxite mines there. In October the project was put on hold, with the mining company citing political and environmental issues.

The Queensland Government's Wild Rivers legislation, first passed in 2005, was designed to protect the ecological integrity of Cape York and its river systems, and the Wenlock was declared as a wild river this year.

Terri Irwin said her late husband regarded the area around the Wenlock as "the most beautiful place on earth".

Professor Franklin and his team have been working in the area for seven years, but began a long-term research project — now on its second linkage grant from the Australian Research Council — in 2007.

He said the Wenlock River had the richest freshwater fish diversity of any Australian river, and supported a critically endangered population of spear-tooth sharks, about which almost nothing was known.

The area is also home to the endangered

freshwater sawfish, rare birds and threatened, highly vulnerable plant species.

"The Wenlock River is hugely important because of its impressive biodiversity," Professor Franklin says.

The area is largely uncharted scientifically, but one startling early discovery is that the area's spring water is naturally acidic.

"What's fascinating is that if you look at the pH, it is approaching the phenomenon of acid rain that has been seen in the northern hemisphere," Professor Franklin says.

"Here we have almost equivalent pH levels occurring naturally, yet life is abundant and the organisms have evolved to cope."

He said the team hadn't even scratched the surface in terms of the discoveries waiting in these springs and the surrounding rainforest.

Professor Franklin said crocodiles were a threatened species on the Cape, and their numbers and densities remained low after being almost hunted to extinction in the 1970s.

His team's research has also shown that estuarine crocodiles travel far larger distances than was previously known. They make lengthy journeys in open sea, riding tidal flows right around the top of Cape York and between Pacific islands.

Through the intensive capture and tagging procedures — which require enormous planning, logistics and manpower — the team attaches satellite transmitters, which function for a year to 15 months before falling off.

But Professor Franklin said a long-term study — using acoustic transmitters inserted under the crocodiles' skin — was

needed to provide detailed data on the effects of environmental change.

He said working on Cape York was "exciting, but challenging".

As well as the political and mining issues, the area's remoteness and inaccessibility during the wet season can make for gruelling work.



Indigenous groups on the Cape remain divided over the Wild Rivers legislation, but Professor Franklin said there was plenty of local support for conservation and research.

"A big part of our work is educating people, local residents. So we — Terri Irwin and myself — give talks to schools and community groups wherever possible," he says.

Professor Franklin said the Irwins deserved praise for their commitment to conservation on Cape York, noting the family privately funded maintenance on the reserve.

"It is purely because they believe it is an area that deserves our protection, which I strongly agree with."

Professor Franklin said the overriding factor for him is the area's enormous scientific potential.

"I feel extremely privileged, and humbled, to be able study there, with the support of such committed partners," he says.

"It is very clear that the flora and fauna are related to the unique water composition of the region. This is a totally new discovery to mankind and deserves much further research."

ONLINE // View a video of Professor Franklin at work on the reserve at www.uq.edu.au/graduatecontact. To follow the crocodiles by satellite, visit www.uq.edu.au/eco-lab



Clockwise from top left: Professor Franklin (right) at work with the team on the vast Steve Irwin Wildlife Reserve north of Weipa, Australia Zoo senior wildlife ranger Barry Lyon — who lives on the reserve — with Terri Irwin and Professor Franklin, members of the Australia Zoo team work to attach a transmitter to a 3m estuarine crocodile, setting crocodile nets, on the trail of crocodiles on the Wenlock River, and monitoring crocodiles via satellite from the team's campsite



QUEENSLANDERS OF THE YEAR

Two outstanding women with UQ connections have been named the 2010 Queenslander and Young Queenslander of the Year.

Giving deaf children an opportunity to hear earned UQ graduate and current PhD candidate Dimity Dornan the Queenslander of the Year title, while 19-year-old Yassmin Abdel-Magied was named Young Queenslander of the Year for her work with Youth Without Borders.

Mrs Dornan (pictured), a speech pathologist, founded the Hear and Say Centre in 1992 and Hear and Say Worldwide in 2007.

She said being named Queenslander of the Year had given her and her team a "huge buzz", but the improved outcomes for deaf children were the real cause for celebration.

"Deaf is not deaf anymore," Mrs Dornan said.

"When you consider that hearing loss is the most common disability in newborns worldwide, and that we know how to treat it, we really are standing at the point where the treatment of polio was 20 years ago."

The Hear and Say Centre teaches deaf and hearing-impaired children to listen and speak.

It has services for 400 children in six centres across Queensland, as well as a program for families living in regional and remote locations.

In 2007, Mrs Dornan started Hear and Say Worldwide, and there are now people



JEREMY PATTERSON

who have trained with the organisation in 11 countries.

Throughout her career, Mrs Dornan has strived to quash traditional beliefs that deaf children cannot learn to hear, listen and speak well enough to be clearly understood.

These myths have been investigated through her PhD research, which compared children with severe hearing impairments to children who had normal hearing.

The results showed there were no differences between the two groups in terms of their progress in listening, speech, language, reading, mathematics and self-esteem.

Another Queenslander making a big social impact is Miss Abdel-Magied, a third-year Bachelor of Engineering student.

Miss Abdel-Magied received the Young Queenslander of the Year award for her work with Youth Without Borders (YWB), a group that strives to empower young people to work together and implement positive change.

She founded YWB in 2007, the same year she was named Australian Muslim of the Year.

Originally from Sudan, Miss Abdel-Magied said she was passionate about helping people with big ideas achieve their goals.

"Everyone has their key passion, but I'm interested in helping whoever I can in whatever way possible," she said.



Contact wins top award

UQ graduates can be assured their alumni magazine is a good read after it won a national award for excellence recently.

Graduate Contact editor Cameron Pegg and Executive Web Designer Leonard Chan received the Association of Development and Alumni Professionals in Education (ADAPE) Australasia award for alumni publications at the organisation's biannual conference.

The judges praised the translation of *Graduate Contact* from page to screen, and said it was a good example of how multi-platform publications could be designed and managed.

Mr Pegg said the award reflected the hard work put in during the past 18 months to uphold the high standards of the print publication while migrating all content to a custom-built multimedia website and accompanying e-newsletter.

Alumni can ensure they receive both the magazine and e-newsletter by clicking the "update your details" link on the homepage.

// www.uq.edu.au/graduatecontact

PROFESSIONAL DEVELOPMENT

ICTE-UQ delivers public professional development workshops variously throughout the year at a cost of \$375 per 1 day workshop per participant.

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www.uq.edu.au/centenary

CENTENARY EVENTS AROUND THE GLOBE

UQ CELEBRATES CENTENARY DAY



WITH A PACKED DAY OF FREE ACTIVITIES FOR THE WHOLE COMMUNITY, UQ'S 100TH BIRTHDAY BASH WAS AN EVENT TO REMEMBER.

Fun and festivity were on the minds of an estimated 15,000 people on April 18, as they converged on UQ's St Lucia campus to celebrate the University's 100th birthday.

The first major event of the Centenary calendar, the day included live music in the Great Court, a Writers' Hub, campus tours, science and innovation talks, and information sessions on global change.

David Malouf, Nick Earls and Janet Turner Hospital were among the featured writers in attendance, while the Queensland Shakespeare Ensemble performed their popular *Half-Hour Hamlet* production.

The day ended with a dusk spectacle

(pictured above) – a light show set against the front entrance of the Forgan Smith Building and accompanied by a 16-piece orchestra.

Vice-Chancellor Professor Paul Greenfield thanked everyone who attended, worked or volunteered to make the day a success.

"This was about saying 'thank you' to the community for supporting UQ over the past 100 years," he said.

"It was great to see the mix of students, staff, alumni and interested members of the community taking advantage of what the day had to offer."

Professor Greenfield said the day was the perfect start to a year-long program of events and was complemented by the successful Alumni Reunion Weekend held in July.

"I encourage and invite members of the public to come to campus more often, and explore the sporting and cultural facilities that are open to them, year-round, such as cafes, museums and the gym," he said.

On April 16 at St Lucia, thousands of staff and students marked the precise day UQ had been founded 100 years before with a giant birthday cake.

The event also saw the launch of the official Centenary book, *The People's University: 100 Years of the University of Queensland*.

The University was formally created on April 16, 1910, with the publication of the names of the first senators in the Government Gazette.

Among UQ's 180,000-plus graduates are a Nobel laureate, an Academy Award winner, Queensland Premiers and Governors, and the current Governor-General.

The University first operated from Gardens Point in the city, and then established its Herston campus in the 1930s – the same decade construction began at St Lucia.

There are now four campuses: Gatton, Herston, Ipswich and St Lucia.

// www.uq.edu.au/centenary



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A day to remember: 1) Students gather in the Great Court to mark UQ's Centenary, 2) Author and alumnus Dr David Malouf speaks at the Writers' Hub, 3) The Riptides rock out during their featured set, 4) Winner of the "My Favourite UQ Treasure" competition James Hudson with an Egyptian mask, 5) Vice-Chancellor Professor Paul Greenfield takes part in an ABC Radio broadcast with Warren Boland, 6) A member of the deep blue orchestra performs during the dusk spectacle, 7) UQ sculptor Dr Rhyl Hinwood leads a Great Court tour

100

YEARS AHEAD

8) Street performers take the Centenary to a new level, 9) Actors tackle the challenge of *Half-Hour Hamlet*, 10) A prop from the *The Sooty Show* makes an appearance in the Anthropology Museum, 11) Deb Shaw and daughter Ella get caught up in the celebrations, 12) Children delight in the final moments of the dusk spectacle and, 13) UQ Union President Michael Zivcic, Professor Greenfield and Chancellor Mr John Story cut the UQ birthday cake at the St Lucia staff and student celebration held on April 16. Images by Stewart Gould and Jeremy Patten



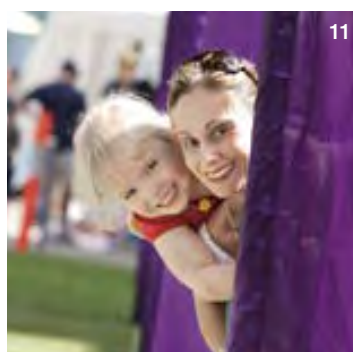
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EXPERT
ORATORS

Members of the public were able to explore Mars, discover the world's deepest oceans and be guided through the Global Financial Crisis during UQ's Centenary, and all without leaving Brisbane.

To celebrate 100 years of discovery, the Centenary Oration Series saw leading speakers from around the world discuss their work in a free community program.

More than 1400 people gathered to hear Nobel Prize-winning economist Professor Joseph Stiglitz (pictured) speak for the largest of the events on July 26.

Professor Stiglitz was also UQ's inaugural Rodney Wylie Eminent Visiting Fellow, an initiative created in 2009 through a gift from Mr John Wylie AM to honour his father, a well-respected University alumnus.

Centenary orators included prominent alumni Dr Penelope Wensley, the Governor of Queensland, and CEO of the Dow Chemical Company, Dr Andrew Liveris.

The Honourable Gareth Evans AO QC presented on the global nuclear threat, while UNESCO Director-General Mrs Irina Bokova discussed the importance of media freedom.

In an inspirational address, 2010 NSW Young Australian of the Year and founder of the Australian Indigenous Mentoring Experience (AIME) Jack Manning-Bancroft talked about his passion for helping young Aboriginal people reach their potential.

Discoveries from space and the depths of our oceans were offered by Professor Jim Bell, lead scientist on the Mars Rover camera team and Dr Tony Haymet, Director of the Scripps Institution of Oceanography.

More than 5000 people attended a Centenary oration, with many more viewing the selected lectures which were broadcast on ABC's *Big Ideas* program.

// View recordings of the Centenary Oration Series at www.uq.edu.au/centenary or via the UQ iTunesU portal



Tan Sri Dato' Seri Khalid bin Ibrahim



Executive Officer to the Vice-Chancellor Margaret Lavery with 2010 Queensland Rhodes Scholar Jessica Howley

ALUMNI LOOK TO
THE FUTURE

By Pro-Vice-Chancellor (Advancement) Clare Pullar

Philanthropy will play an increasingly important role in shaping The University of Queensland in the coming decade, according to prominent UQ alumnus and philanthropist Andrew Brice.

"My rough calculation is the University's going to be about \$200 million per annum short of revenue in the next 10 to 15 years, and that equates to about \$4 billion in an endowment fund returning 5%," he said.

Speaking at the inaugural Vice-Chancellor's Alumni Summit in July, the Wotif.com co-founder was one of 39 graduates who gathered at St Lucia to lend their expertise and express their views on the strategic direction of their *alma mater*.

The summit was held as part of the Alumni Reunion Weekend, and will help drive the University's ambitious research, teaching and engagement objectives moving into its second century.

Participants encouraged the University to build strong links with its more than 180,000 alumni, to enlist their support to build the global esteem of the University, to recruit the most able students and staff, and to ensure the best career outcomes for its graduates.

Mr Brice said establishing a sense of belonging was crucial.

"It's a bit like word-of-mouth and soul. It's something that evolves. It has to be in the blood," he said.

"My guess is, if you're a graduate of Stanford University, you have had, from the day you walked in, this sense of being; this sense of being part of the soul; this sense of belonging."

Lieutenant Colonel David Freeman, Chief Legal Officer, Department of Defence, referred to alumni as "disciples of the University".

"Wherever we travel around the world, we trumpet the place, and that's how alumni can prosper," he said.

Professor John Cooper, Partner of Allens Arthur Robinson and Honorary Professor at the UQ Business School, said there were many ways alumni could contribute.

"Alumni have a lot to offer in terms of financial contributions, but they also have a lot to offer in terms of the learning, in terms of the discovery and in terms of engagement. We ought not to forget the roles the alumni can play in those other ways," he said.

Vice-Chancellor Professor Paul Greenfield said UQ was grateful to the participants for sharing their insights and expertise.

"The educational philosophy, the focus on learning, the shifting of commitments to lower socio-economic and Indigenous students to front and centre, and the increased need to address all of UQ's alumni are some of the key things I took away," he said.

All alumni are invited to participate in further consultations planned for the near future.

// www.alumni.uq.edu.au



Young Queenslander of the Year Yassmin Abdel-Magied

COURTING THE GREATS

FORMER CHANCELLOR SIR LLEW EDWARDS WAS AMONG OUTSTANDING GRADUATES HONOURED AT A SPECIAL EVENT HELD DURING THE ALUMNI REUNION WEEKEND IN JULY.

Two esteemed graduates who studied medicine together almost half a century ago were honoured at a University of Queensland gala dinner on July 3.

In front of several hundred guests, former long-serving Chancellor Sir Llew Edwards AC was named the University's 2010 Alumnus of the Year, and Dr Nat Yuen became the International Alumnus of the Year.

The Courting the Greats Centenary event was held at the UQ Centre and featured popular actor and alumnus Bille Brown as Master of Ceremonies and award winning pianists Dr Liam Viney and Dr Anna Grinberg.

Sir Llew said he was "absolutely thrilled" that his long-term friend and former classmate had been recognised with the International Alumnus of the Year award.

"It couldn't have gone to a nicer person," Sir Llew said.

"When I became UQ Chancellor and started going to Hong Kong each year for graduation ceremonies about 17 years ago, Nat and I would always catch up, and we would do the same on his regular visits to Australia."

Sir Llew, born and raised in Ipswich, said his father would allow him to pursue higher study only after he had completed a four-year electrical apprenticeship.

Sir Llew finished his medical degree in 1965 and worked as a GP for 10 years, in which time he delivered 2500 babies. He then went on to be the State Member for Ipswich, the Queensland Minister for Health, Treasurer and Deputy Premier.

He was Executive Chairman of World Expo 88, and served as UQ's Chancellor for 16 years until his retirement last year.

He was Queenslander of the Year in 1988, and in June was named a "Queensland Great".

Sir Llew said his UQ connections had always given him "very great pride".

Dr Yuen said accepting his award was a great honour.

After receiving his medical degree in 1965, Dr Yuen worked at the Princess Alexandra Hospital and at the Bundaberg General Hospital.

He moved back to his hometown of Hong Kong in 1969 and opened a medical practice in 1975, which still operates.

Dr Yuen has served on numerous medical boards, professional committees and councils in Hong Kong. In 1995, UQ awarded Dr Yuen an Honorary Doctor of Medicine and, in the same year, Dr Yuen donated The Nat Yuen Collection of Chinese Antiquities to UQ to coincide with the re-opening of Customs House in Brisbane.

The collection spans more than 5000 years and is valued at more than \$1.5 million.

Also recognised at the event was Robert Dann, a Middle East peace negotiator with the United Nations who was named UQ Young Alumnus of the Year.

Mr Dann is regularly engaged in negotiations and consultations involving Israel, the West Bank, Gaza, the broader Arab world and the UN Security Council.

Coincidentally, Mr Dann's father Des worked at Princess Alexandra Hospital alongside Sir Llew and Dr Yuen, graduating a year ahead of them in 1964.

Supporting the Courting the Greats event were sponsors Peabody Energy, Theme and Variations, Tynan Mackenzie and Staging Connections.



Clockwise from main image: Bille Brown acts as MC during the Courting the Greats event, Mr Loh Hoon Sun and Mrs Brenda Loh, Richard Marsden and Laurie Marsden, and Alumnus of the Year winners Dr Nat Yuen, Robert Dann and Sir Llew Edwards



IMAGES: JEREMY PATTEN AND STEWART GOULD

Great Court carries military mark

THE GOVERNOR-GENERAL OF AUSTRALIA, DR QUENTIN BRYCE, RETURNED TO THE ST LUCIA CAMPUS IN JULY TO UNVEIL NEW ADDITIONS TO UQ'S FAMOUS GREAT COURT.

The University has added two new sculptures to the Great Court cloister to mark its Centenary and UQ's unique place in military history.

Unveiled by Governor-General and UQ alumnus Dr Quentin Bryce AC, the works depict the badges of the Queensland University Regiment (QUR) and Queensland University Squadron (QUS).

Dr Bryce said the artworks were a fitting acknowledgement of the ongoing contributions of UQ servicemen and women.

"So many of this University's finest graduates hold distinguished records of service to our nation, in wartime and peacekeeping operations," Dr Bryce said.

"To secure the badges of the University Regiment and Squadron in the

timeless and stoic face of the Great Court is to secure the wisdom of what they signify."

The QUR was established in 1932 and acts as an officer training unit of the Australian Army Reserve. The QUS operated from 1951 to 1972 and commissioned more than 1000 graduates in that time.

The sandstone badges are the creations of alumnus and University sculptor Dr Rhyl Hinwood AM, whose grotesques, coats of arms and flora and fauna carvings decorate the St Lucia campus.

Executive Officer of the Centenary Secretariat Miss Ellen Juhasz said the sculptures departed from tradition.

"The column capitals have typically been decorated with coats of arms of world universities. This change has been specially approved for the Centenary year, with the

works proudly funded by alumni from both services," she said.

Also launched during the Alumni Reunion Weekend in July was a new book documenting the architectural and social history of the iconic Forgan Smith Building.

During World War II, the building was used as a military base for the Allied Land Forces, serving as the headquarters for General Sir Thomas Blamey before being returned to the University.

The Forgan Smith: History of a Building and its People was written by Professor Clive Moore and is available at the Co-op Bookshop.

From top left: Lieutenant Colonel Tim O'Brien, the Governor-General greets members of the Air Force, Brigadier Sam Harrison, and Armed Services personnel and cadets form a Guard of Honour in the Great Court



CENTENARY COMPOSITION HITS THE RIGHT NOTE

A prominent Australian composer is fine-tuning a new piece he has created especially for UQ's 100th birthday.

Andrew Ford will unveil *The Scattering of Light* at the final UQ Senate Dinner for the year on December 10 after months collaborating with staff and students.

The piece was commissioned in 2009 and is scored for piano quartet. Mr Ford, a Visiting Professor in the School of Music, has won

several major prizes including the Sydney Spring Festival Award and the Yorkshire Arts Composers Award.

The premiere will also mark the inaugural performance of the School of Music's ensemble-in-residence. The group comprises professional performers and academics who mentor UQ music students. Ensemble members include cellist Patrick Murphy, violist Patricia Pollett and pianist Liam Viney.

GLOBAL CELEBRATIONS



FROM LONDON TO LOS ANGELES, JAKARTA TO NEW YORK, ALUMNI GATHERED AROUND THE WORLD DURING 2010 TO MARK THE FIRST 100 YEARS OF THEIR ALMA MATER.



Director of Alumni and Community Relations Lea Sublett said more than 1500 guests had attended Centenary receptions across four continents from April to October, allowing UQ a valuable opportunity to re-engage with key advocates and industry partners.

Vice-Chancellor Professor Paul Greenfield officiated at many of the celebrations, where guests were shown slideshows of UQ throughout its first 100 years. As a Centenary gift, attendees were presented with these photographs on a commemorative USB.

On hand to cut special Centenary cakes were prominent alumni including CEO of the Dow Chemical Company Dr Andrew Liveris and former Queensland Premier Peter Beattie.

"These events were not only an appropriate way to celebrate the University's achievements, but also to look forward to the next century and to better engage with our alumni, who are our key advocates," Ms Sublett said.

Ms Sublett said UQ Study Abroad alumni played an important part in the celebrations, particularly in North America, where a large number of former exchange students attended the Los Angeles event.

Centenary events were held in Australia, Canada, China, Hong Kong, Indonesia, Malaysia, Singapore, Thailand, the United Kingdom, the United States and Vietnam.

// Photo galleries from all Centenary receptions can be viewed at www.alumni.uq.edu.au



Clockwise from top left: Ms Duong Thuy Hang, Dr Tran Quang Anh and Senior Deputy Vice-Chancellor Professor Michael Keniger in Danang, Vietnam; Ms Jehan Kapitan Hitu and Dr Hayati Iskandar in Jakarta; Centenary cakes in Bangkok; Mr Ross Ramsay and Ms Barbara Ramsay in Canberra; Pro-Vice-Chancellor (Advancement) Clare Pullar with alumni in New York; and Professor Paul Greenfield with Dr Andrew Liveris



Man versus wild

SCIENCE GRADUATE DR CHADDEN HUNTER IS FOLLOWING IN THE FOOTSTEPS OF SIR DAVID ATTENBOROUGH TO PRODUCE DAZZLING DOCUMENTARIES FROM AROUND THE WORLD.

By Belinda Berry

Sharing the rugged mountains of Ethiopia with a group of inquisitive monkeys was a far cry from the science labs at The University of Queensland, but Chadden Hunter couldn't have been happier.

That was 1997, when the 24-year-old had recently begun his journey as a PhD student.

A decade later, swimming with beluga whales and stalking snow leopards is all in a day's work for the award-winning filmmaker, whose documentaries have been beamed into millions of households worldwide.

After being discovered by the legendary Sir David Attenborough while studying baboons in Ethiopia in 2000, Dr Hunter has worked as a scientific consultant and documentary maker for major networks including the BBC and National Geographic.

Earlier this year he took time out from his latest project, narrated by Sir David, to be the keynote speaker at the UQ Science Centenary Alumni Reunion in July.

On returning to his *alma mater*, Dr Hunter shared some of his incredible experiences and discussed the critical role the media plays in promoting conservation and biodiversity.

He told of his amazement upon first exploring the Simien Mountains in Ethiopia and meeting their rowdy inhabitants – the screeching Gelada baboons.

"When I first encountered the Gelada, I thought I was wandering into a riot of werewolves," he recalls.

"Their screeches and fangs are intimidating – but as I got closer and closer to the group, I began to realise that underneath all the bravado and showing off, the males are a bunch of show ponies."

Dr Hunter was eventually accepted into the primate family to the point he could lounge in the middle of clusters of them.

However, his love for these loud and colourful monkeys was not shared by the

locals, who viewed them as vermin for devouring precious barley crops.

Dr Hunter quickly became the primates' PR man as the government and farmers moved to cull the animal.

"The main thing I did to help the Geladas was to get enough public awareness out there about them being unique and something worth protecting," he says.

It was this challenge that introduced him to the power of the mass media to change public opinion, and steered him towards the path of making wildlife documentaries.

This new career course was further reinforced by Sir David's visit.

"My mother claims as a child I got so excited when an Attenborough show came on that I'd crawl up the back of the sofa, hardly breathing, eyes glued to the TV with my back pressed to the lounge room wall," Mr Hunter says.

"DURING MY CHILDHOOD IT WAS ALWAYS ABOUT A LOVE FOR NATURE. IT IS WHAT OBSESSED ME, WHAT MY PASSION WAS ABOUT"



Another world (clockwise from main image): Dr Hunter with a killer whale during the filming of the *Frozen Planet* documentary series, with Sir David Attenborough at the South Pole, and exploring ravines on the Antarctic ice cap while scouting for filming locations

"At the age of 28, I found myself on a mountain top in Ethiopia. Sir David Attenborough was standing beside me listening intently as I advised him on what to say and not say on camera about the Geladas.

"It felt like only days earlier, I was a young undergraduate sifting through the biology courses on offer at UQ."

Recognised for his research and documentary achievements, Dr Hunter was chosen to present the prestigious UQ/Brisbane Institute Annual Steve Irwin Memorial Lecture on July 6. In 2008, Mr Irwin was also honoured with a posthumous Adjunct Professorship to mark his commitment to conservation and the research links he established between UQ and Australia Zoo.

Titled *From Clipboard to Camera: the Role of Media in Conserving Nature's Biodiversity*, Dr Hunter's lecture was a sell out within days.

To the delight of the audience, he unveiled raw footage from his latest project *Frozen Planet*. The seven-part series, to be released in 2011 and narrated by Sir David, explores life in the polar regions and the effects of climate change on glaciers, ice shelves and sea ice.

Audiences were treated to vivid footage of a mother polar bear with cubs in an icy den, arctic wolves bringing down bison and emperor penguins huddling together for warmth.

Dr Hunter also detailed the incredible lengths the documentary team went to in order to capture the life cycle of a polar bear in captivity.

"The polar bear mother in winter is an amazing story – to give birth she climbs on a mountainside slope where she knows snow will build up on her in autumn," he says.

"She curls up and goes to sleep while this snow cave builds around her.

"In this ice cave she gives birth to very small young and suckles them through the winter while storms rage outside."

After talking to experts about how best to film the sequence, the BBC decided it was safest to capture the footage at a Dutch zoo, where a polar bear den was built from scratch.

"Inside this fake den we put cameras into the walls and ceilings for five different angles and they're all infrared because it has to be dark," Dr Hunter explains.

"We couldn't move the cameras so we had to aim them at a spot where we thought the mother polar bear would roll over – we didn't know what we would get...like CCTV we would eventually get glimpses of one of the cubs suckling."

Other spectacular footage from *Frozen Planet* includes a pack of killer whales creating waves to knock seals off an ice ledge.

Dr Hunter said some of the underwater shots required diving at temperatures of minus two degrees in a specialised suit which he likened to an "enormous full-body doona".



IMAGES COURTESY CHADDEN HUNTER

"THERE'S SOMETHING NEW TO EXPERIENCE AND IT STIMULATES YOUR HUNGER FOR NEW ADVENTURES AND SUBJECTS"

"You've got a mask around your head, and your lips are exposed. For the first 20 minutes it's absolutely excruciating, and they say the second 20 minutes are dangerous.

"You start to feel your lips stinging and there's so much pain they go numb – at the end of a 40-minute dive the skin from the lips starts to die and bits of flesh are coming off...and you can just never keep your extremities like your fingers warm enough."

It's no wonder Dr Hunter is seeking a warmer experience for his next project.

"I would like my next job to be South America where it's green and warm. In the polar regions you have to travel a long way to find animals and it's very sterile with only snow and no smells," he says.

Dr Hunter said he hoped to inspire UQ science students to keep an open mind when pursuing a career.

"My advice is to look much broader than one might think when hitting the job market and look for overseas opportunities," he says.

Born in Mt Isa, Dr Hunter travelled from an early age, attending school in the USA and Iran before returning to Australia and falling in love with the rainforests and the Great Barrier Reef.

"During my childhood it was always about a love for nature. It is what obsessed me, what my passion was about," he says.

"The first time I went snorkelling on the reef as a kid, it just blew my mind – the colour and the fact that it is another planet or world down there."

Originally wanting to become a biology teacher, it seems both his childhood dreams have come true, as he travels the globe educating others about the wonders of the natural world.

"What I love about the job is there's something new to experience and it stimulates your hunger for new adventures and subjects."



ISTOCKPHOTO



MIND OVER MARRIAGE

A team from UQ's Institute for Social Science Research has found that marriage no longer enjoys the privileged status it once did.

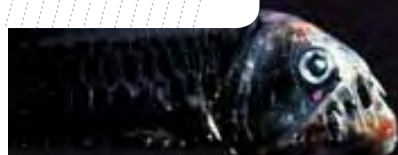
Contributing to the change in status is an increase in couples divorcing, marrying later or not at all, having fewer children and the changing experiences of intimate relationships.

One of the most dramatic social trends is the rapid rise in rates of de facto cohabitation, indicating a significant shift in attitudes towards intimate relationships outside of marriage.

Australian Research Council Professorial Fellow Professor Janeen Baxter is leading two projects investigating these issues and is contributing to international understanding by investigating marriage and cohabitation patterns and experiences.

Working with Dr Belinda Hewitt, Associate Professor Michele Haynes, Professor Mark Western, and PhD students Sandra Buchler and Maelisa McNeil, Professor Baxter is developing new ways of understanding the changing significance of marriage.

Professor Baxter said the knowledge gained from these projects would lead to more effective social policies as well as new theories about the social organisation of personal relationships.



COURTESY JUSTIN MARSHALL

Scientists fish for answers

Queensland Brain Institute scientists have used high-tech equipment to capture underwater creatures at depths not documented before.

Using deep-sea cameras and instrument platforms new to Australia, prehistoric six-gilled sharks, giant oil fish, swarms of crustaceans and many unidentified fish were caught on camera in July 1,400m below sea level at Osprey Reef, 350km northeast of Cairns.

The team, led by Professor Justin Marshall, captured the creatures using low-light sensitive, remote-controlled cameras, which sat on the sea floor. The Australian Research Council funded the equipment that was built at The Harbour Branch Oceanographic Institute in Florida.

"As well as understanding life at the surface, we need to plunge off the walls of Osprey to describe the deep-sea life that lives down to 2000m. We simply do not know what life is down there and our cameras can now record the behaviour and life in Australia's largest biosphere, the deep-sea," Professor Marshall said.

Scientists working on the Deep Australia project also collected amazing footage of the Nautilus, a relative of the squid or octopus that still lives in a shell as they have done for millions of years.

Researchers measured these "living fossils" to find out more about their biology before returning them to sea.

"Learning more about these creatures' primitive eyes and brain could help neuroscientists to better understand human vision," research student Andy Dunstan said.

Professor Marshall said most of our knowledge on how nerve cells functioned and communicated was first pioneered through work on giant squid nerve cells.

"We are now returning to these original model systems, both for their own intrinsic interest and also to better understand brain disorders which lead to conditions such as epilepsy," he said.

In September, the scientists travelled to the Peruvian Trench off South America where they filmed and captured deep-sea species 2,000m below the surface.

REWRITING HUMAN HISTORY

The world's earliest known high-altitude human settlement, dating back 49,000 years, has been found buried under volcanic ash in the mountains of Papua New Guinea.

The team of archaeologists, which includes UQ's Dr Andrew Fairbairn (pictured), discovered campsites at altitudes of 2000m that were occupied 44–49,000 years ago during the last ice age – the highest altitude sites occupied by *Homo sapiens* ever recorded. Their findings were published recently in *Science*.

The discovery also reveals Australasia's first colonisers rapidly moved from coastal regions after their arrival from South East Asia to also inhabit the highlands.

The prehistoric highlanders, who lived in the Ivane Valley of Papua New Guinea's Owen Stanley Range Mountain near Kokoda, made stone tools, hunted small animals and ate yams and nuts of the local Pandanus tree.

Dr Fairbairn said the team uncovered almost perfectly preserved nutshells at the campsites, which is the first time that such ancient plant material has been found in the region.



COURTESY ANDREW FAIRBAIRN

"The volcanic ash layers seem to have produced a unique microenvironment that has fought off the rain and cold to preserve nutshells and yam leftovers, which are present in large quantities and give us exciting and unique evidence of the diet of the first New Guineans," he said.

The campsites were occupied during a relatively warm part of the last ice age – the Pleistocene – when Papua New Guinea was joined to Australia as part of the continent of Sahul. However, the ancient highlanders would still have experienced temperatures below 0°C.

Dr Fairbairn said the discoveries provided an unusually detailed view of a mobile and resourceful community that adapted to unfamiliar territory and environments by carefully targeting high-energy plant and animal foods.

"Papua New Guinea's mountains have long held surprises for the scientific community and here is another one – maybe they were the home of *Homo sapiens*' earliest mountaineers," he said.

Joining Dr Fairbairn on the research team were Glenn R. Summerhayes, Matthew Leavesley, Herman Mandui, Judith Field, Anne Ford and Richard Fullagar.

An award-winning UQ research project aims to detect, prevent and manage heart disease using a simple saliva test.

Dr Chamindie Punyadeera received a 2010 UQ Foundation Research Excellence Award to investigate the diagnostic potential of saliva as a sample rather than blood – an Australian first.

Dr Punyadeera has been successful in the detection of the C-Reactive Protein (CRP) biomolecule in saliva, which is elevated in cardiac patients and people who have heart disease.

Previously, the only way to detect the presence of this biomolecule was to use a blood test.

Dr Punyadeera has proven a correlation between the CRP biomolecules present in saliva and in blood, and is developing tests to detect heart failure and heart attack more easily.

“Saliva is a very effective tool for measuring the human body’s health and well being, however to date saliva has been regarded as

Healthy hearts

inferior to blood-based tests,” Dr Punyadeera said.

“Because saliva testing is non-invasive, easy for practitioners and patients, and does not require sample pre-processing, you should be able to have accurate heart diagnosis in less than 15 minutes.”

Cardiovascular disease (CVD) refers to diseases of the heart and blood vessels and is the number one cause of death in Australia.

With one person dying of this debilitating disease every 10 minutes, early detection and intervention will lead to a significant reduction in CVD-related deaths.

Dr Punyadeera is also the recipient of a Queensland Government Smart Future Award, which was presented by Premier Anna Bligh in April.



STEWART GOULD

INDIGENOUS SUPPORT ONLINE

Closing the gap between Indigenous and non-Indigenous postgraduate participation is the aim of a new UQ website.

Developed by staff at the Aboriginal and Torres Strait Islander Studies Unit, the Postgraduate Meeting Place offers networking opportunities and contains student profiles and information about scholarships.

Project team member Dr Katelyn Barney said the site responded to concerns raised by current and past postgraduates.

“Many Indigenous postgraduates noted a lack of social networking opportunities,” Dr Barney said.

“Many said that they were not aware of other Indigenous postgraduates or that they were the only person in their course who was Indigenous.

“We’ve had very positive feedback about the website and the project in general.

“The website is also assisting students to network, or ‘take your mob with you’, as one student noted.”

Funded through the Higher Education Equity Support Program, the project was led by Professor Ian Lilley.

Dr Barney and researcher and student support officer Monique Proud conducted individual interviews with Indigenous graduates, current Indigenous postgraduates and non-completed postgraduate students about their university experiences.

“These findings have the potential to assist in reshaping universities in order to provide culturally appropriate support mechanisms to Indigenous postgraduate students,” Dr Barney said.

“By knowing and acting upon the kinds of mechanisms that can assist Indigenous postgraduate students, we hope that the disparity between Indigenous and non-Indigenous student participation in postgraduate study can be addressed.”

Dr Barney said the next steps were to establish a mentoring program connecting completed and commencing postgraduates with staff in the Aboriginal and Torres Strait Islander Studies Unit and other UQ faculties, schools and centres, the Graduate School and Student Services.

The team also wants to start an Indigenous postgraduate seminar series or Indigenous postgraduate conference at UQ, with invitations to both postgraduate and undergraduate students, particularly those in honours year.

// www.uq.edu.au/meetingplace

TRACKING MUSLIM TOURISM TRENDS



ISTOCKPHOTO

Muslim countries are caught between developing their tourism industries and making sure their culture is not eroded in the process, according to a UQ researcher.

Fear of cultural erosion is leading the governments of some Muslim countries to pick and choose the tourists they target in their marketing. School of Tourism senior lecturer Dr Noel Scott said.

Dr Scott said this also reinforced the need for tourists to ensure they understood the nature of Islamic law and respected customs.

The comments follow the release of a paper Dr Scott wrote with Hassan Saad Sanad and Ayman Mounier Kassem from Minia University in Egypt.

“Tourism is a focus for change in society and I suspect tourism is a leading sector that is being used in Muslim countries to explore issues of how society should develop,” Dr Scott said.

Tourists were exposing people in Muslim countries to different values and beliefs because tourism was “a microcosm of everyday life”.

But western tourists needed to do their homework because acceptable behaviour differed from one country to the next.

“Saudi Arabia does not want western tourists to come along and offend local people. They want economic development from tourism, but they are not prepared to compromise their principles to have it,” he said.



STEWART GOULD

Aurukun odyssey



Indigenous art from far north Queensland entranced thousands of visitors when they visited the St Lucia campus for a special Centenary exhibition recently.

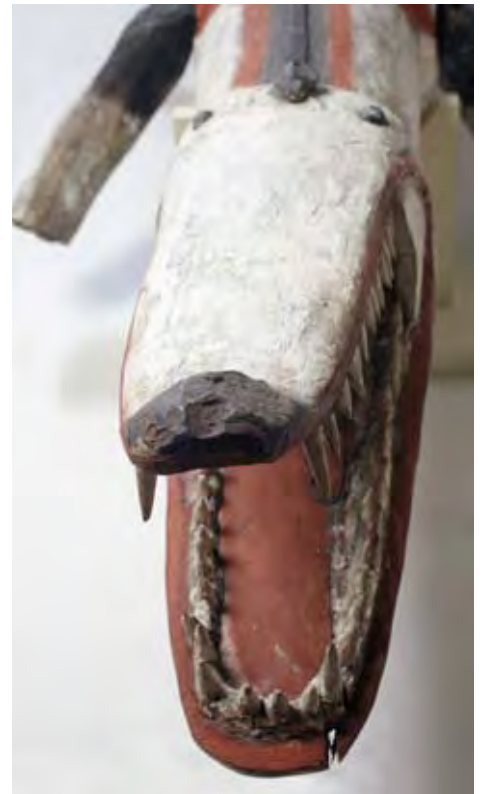
On show from August 11 until November 28, *Before Time Today* was the first comprehensive survey of art from the remote Aurukun region, and included almost 100 different works brought together from collections around the country.

UQ Art Museum Acting Director Michele Helmrich said the exhibition was inspired by links between Aurukun objects collected by the UQ Anthropology Museum from the 1950s, and contemporary works recently acquired by the University.

"The main experience we tried to create was the relationship between past and present," curator and Senior Lecturer in Art History Dr Sally Butler said.

"There's something exciting about looking at the historical precedents for the contemporary art and the new works that have come after. It also helps to focus on the innovation of the contemporary artists as they're not just copying the past, they're doing all sorts of new things.

"Even the artists hadn't seen a lot of these old works for a long time, if ever, so just putting them back into dialogue with the present was significant."



"THERE'S SOMETHING EXCITING ABOUT LOOKING AT THE HISTORICAL PRECEDENTS FOR THE CONTEMPORARY ART AND THE NEW WORKS THAT HAVE COME AFTER"

The artworks included large sculptures of animals and spirit figures, eye-catching canvas paintings, and fields of iconic red-and-white "law poles".

"Because they're 3D objects, they have a real presence and one of the main aesthetic features is the art of characterisation," Dr Butler said.

"You get a sense of them almost having a personality, even if they're a fish or a dog or a ceremonial figure. It's a really lively presence of culture."

The entire first floor of the museum was dedicated to the show, with visitors able to explore works from different clans and across mediums as they navigated the space. A busy schedule of public events saw participating artists lead tours of the exhibition, and local school children take part in weaving workshops.

Dr Butler said the regeneration and reinvention of Aurukun artistic traditions – particularly carving – made it one of the most dynamic Indigenous art movements today.

She used the example of senior artist Arthur Pambegan Jnr – now in his 70s – who had recently started configuring ceremonial paintings in new ways.

"Arthur Pambegan has taken his body paintings and turned them into these canvas paintings that are unlike anything else in Indigenous art. It's pure Aurukun," she said.

Traditional sculptures were now being created not only out of wood, but also aluminium and bronze.



Another innovation is the use of "ghost nets" – remains of fishing nets which have been washed on to the coast of the Gulf of Carpentaria, and are used to weave new, colourful creations using traditional techniques.

"The ghost nets are very typical of the way Aurukun artists are prepared to innovate to keep their culture alive," Dr Butler said.

"The weaving tradition is on the brink of extinction all around Australia but they have used fishing nets as the start of an environmental initiative and as an imperative for reinvention."

Traditional woven items were also on display, along with a documentary film depicting ceremonial dances and the history of the Aurukun peoples, who experienced first contact with Europeans in the 1600s.

A new UQP publication, produced to accompany the exhibition, includes chapters from leading scholars on Aurukun art and culture and the curator of the Aboriginal Art Museum in the Netherlands.

Before Time Today was one of the major events of UQ's Centenary celebrations. It followed the successful *Our Way* exhibition, also curated by Dr Butler, which was featured on the cover of the Winter 2007 edition of *Graduate Contact* and toured internationally.

The Aurukun survey capped off a remarkable year for the museum, which also hosted a touring exhibition of Sidney Nolan's ANZAC paintings, showcased the radical video art of Russian collective AES+F, and pitched a giant inflatable artwork outside the James and Mary Emelia Mayne Centre.

– CAMERON PEGG

ONLINE // View a photo gallery of the artworks and watch curator Dr Sally Butler explain the history behind the exhibition at www.uq.edu.au/graduatecontact



Clockwise from top left: Aurukun dancer and artist Stanley Kalkeeyorta with Senior Deputy Vice-Chancellor Professor Michael Keniger at the official opening of *Before Time Today*, detail of *Crocodile* by unknown artist (1958), Mavis Ngallametta in front of her artwork *Untitled* (2009), Craig Koomeeta's *Apelech brothers* (2002), *Untitled XXII (Walkan-aw and Kalben designs)* by Arthur Koo'ekka Pambegan Jnr (2007) and Stewart Korkatain leading a ceremonial dance outside the UQ Art Museum. Images David Sproule, Carl Warner, Mick Richards and courtesy the Queensland Art Gallery and National Museum of Australia



PACE picks up for pharmacy education

Robots and virtual patients are helping educate the next generation of pharmacists at The University of Queensland's new Pharmacy Australia Centre of Excellence.

Known as PACE, the ultra-modern \$100 million facility (pictured below) is now home to the School of Pharmacy's 100 staff and almost 1200 students, who were previously located at St Lucia.

PACE was officially opened in April by the Deputy Premier of Queensland Paul Lucas.

The facility is situated adjacent to the Princess Alexandra Hospital at Woolloongabba, on land provided by the Queensland Government.

Head of the School of Pharmacy, Professor Nick Shaw, said PACE was Australia's premier facility for pharmacy education and research, and provided an amazing learning environment for students.

"The hi-tech environment actually helps students focus on traditional, face-to-face patient contact," he said.

"This is going to become increasingly important because pharmacists are going to play a wider role in patient care in the future, particularly in the management of the growing numbers of patients with chronic diseases.

"From the moment students enter the totally wifi-connected precinct, they enter a world where technology plays a key role in the development of their knowledge and skills."

For example, a lecture on models of dispensing medicines might include learning to use a dispensing robot – the only one of its kind in an Australian university.

The robot enables pharmacists to spend more time with patients, rather than in the dispensary preparing medications, Professor Shaw said.

A patient counselling tutorial might include a mock counselling session in rooms with recording facilities so interactions can be reviewed and communication skills improved. Similarly, students do not need to crowd around a laboratory bench as a lecturer



demonstrates compounding of a medicinal cream, because a wireless video camera records the demonstration and streams it to nearby flat screen TVs.

Vice-Chancellor Professor Paul Greenfield thanked the Queensland Government for partnering to create PACE and nearby research and education developments.

"With the \$354 million Translational Research Institute Queensland and Boggo Road Ecosciences Precinct coming on line in the next couple of years, this zone will attract greater numbers of outstanding researchers, clinicians and students from around the world," Professor Greenfield said.

"PACE is yet another example of UQ's active engagement with the community – in this case, embedding our pharmacy students and staff in a rich clinical and research environment."

The PACE concept was jointly developed by the University and the pharmacy profession in 2000.

Opened in November, a GP Super Clinic, operated by The University of Queensland, and an associated pharmacy occupy most of the remaining commercial space in stage one of PACE.

The precinct will be further developed, providing additional space for research and commercial activities.

// www.uq.edu.au/pharmacy



IMAGES STEWART GOULD

OBITUARY

Advocate of preventive dental health

Professor George Davies (1921–2010)

Professor George Davies will be best remembered for his

work in preventive dental health care in Australia, New Zealand, Asia and the Pacific. He was also UQ's Deputy Vice-Chancellor between 1975 and 1986.

Born in Christchurch, he was educated at the Palmerston North Boys' High School and graduated in dentistry from the University of Otago in 1943.

His doctoral thesis was a study of the dental health of the people of Pukapuka in the Cook Islands. He passionately believed that primary health care was the key to health for all.

In 1948, he was appointed Head of Department of Preventive, Public Health and Children's Dentistry at the University of Otago and introduced several innovative programs. He published two books relating to children's dentistry. Undergraduates of the time remember him as an excellent teacher and an entertaining raconteur at student dinners.

He was appointed Dean of the Faculty of Dentistry at UQ in 1964. His research and teaching reputation drew a large number of talented colleagues to the faculty which flourished under his strong leadership.

Under the auspices of the World Health Organisation, he was instrumental in developing a program in Fiji which provided training for oral health workers that met the needs of people in the western Pacific region.

He was made a Commander of the Most Excellent Order of the British Empire (CBE) in 1982 for his services to dentistry and to UQ.

On his retirement, he counted the negotiation of exchange agreements with universities in nine different countries, including China and Japan, as among his most satisfying achievements.

Professor Davies was a natural sportsman, representing his school and university college in cricket, tennis and hockey. In spite of an increasing visual impairment, he could still beat his grandchildren on the croquet lawn that he tended so carefully at his holiday house in Caloundra. Among the many mourners at his funeral was a large group from the New Farm Blind Bowls Club of which he was patron.

Professor Davies died in Brisbane, age 88. He is survived by his wife Valerie, three children and five grandchildren.

A VET SCHOOL for the future

THE NEW UQ VET SCHOOL AT GATTON WILL PROVIDE A BOOST TO THE LOCAL COMMUNITY WHILE ADVANCING VETERINARY EDUCATION IN AUSTRALIA.

After years of detailed planning and fundraising, The University of Queensland's \$100 million-plus School of Veterinary Science complex was officially opened in August at the Gatton campus.

The Federal Member for Blair, Shayne Neumann, opened the state-of-the-art facilities at a function attended by hundreds of industry, academic and community representatives.

Dean of Veterinary Science Professor Jonathan Hill said the relocation was an exciting development for Australian veterinary education.

"This complex is the most modern in the southern hemisphere and the most comprehensive animal research and teaching centre in Australia," he said.

"The development unites the school in a setting suited to learning and discovery in veterinary science.

"It provides state-of-the-art teaching facilities for UQ's 550 veterinary science students and a vitality and economic boost to the Lockyer Valley.

"We see the arrival of the school at Gatton as an opportunity for greater industry collaboration, particularly in the areas of dairy and beef cattle, swine production and equine operations."

Professor Hill said construction of the new facilities and recruitment of additional staff had transformed the student experience and enhanced learning outcomes.

"This development ensures UQ will remain a leading centre of excellence in veterinary teaching and research for future generations," he said.



IMAGES: JEREMY PATTEN AND HUNG LU

Vice-Chancellor Professor Paul Greenfield said \$71 million from the Australian Government (including \$47.2 million from the Education Investment Fund) and the generosity of donors, including many UQ alumni, had made the facilities a reality.

"The new-generation Gatton campus opens opportunities for students and staff, and shores up our capacity to deliver strong learning and research returns on the investments of the Australian and Queensland Governments, industry and private donors," he said.

This investment complements the \$33 million Centre for Advanced Animal Science (funded by the Queensland Government and UQ), and a \$6.9 million upgrade of dairy teaching and learning facilities, in partnership with the State Department of Employment, Economic Development and Innovation.

The new infrastructure includes the Veterinary Science Building, pre-clinical teaching laboratories, and the Veterinary Clinical Studies Building.

UQ also recently unveiled the \$23 million Veterinary Medical Centre within the complex.

**ONLINE // View a video
of the new facilities at
www.uq.edu.au/graduatecontact**

The facade of the new Veterinary Science Building, and above, students Kim Albrecht, Bianca Wilhelm and Nicole Richards get to work

HORSE OWNERS IN SOUTH-EAST QUEENSLAND NOW HAVE ACCESS TO INTERNATIONAL TALENT AND A RANGE OF SPECIALIST SERVICES WITH THE OPENING OF THE UNIVERSITY'S NEW EQUINE HOSPITAL.

The facility is part of the School of Veterinary Science's new Veterinary Medical Centre, which will also include a small animal clinic.

Centre Director Professor Grant Frazer said specialist staff had been recruited from around the world.

Registered medicine and surgery specialists lead a team of six equine veterinarians who offer advanced diagnostic capabilities, treatments and surgical procedures.

Services offered include surgery, internal medicine and critical care.

The equine clinicians are supported by an experienced team of anaesthetists and radiologists.

Consultants are available in dentistry, podiatry, cardiology, ophthalmology, dermatology and reproduction.

The equine facility also exposes students to both a general practice and referral caseload.

"Our mission is to provide excellent service to our clients, their animals and referring veterinarians," Professor Frazer said.

"The Equine Hospital will cater to all horse medical and surgical needs.

"This is an exciting time for the equine industry and we are looking forward to seeing the benefits the hospital offers for the region."



REMEMBERING OUR WAR HEROES



COURTESY SAC

Bill Park receives the School of Journalism and Communication's Distinguished Alumnus award for 2010

Up to 90,000 Australian Diggers who helped win World War II are now missing in cyberspace, due to errors in the government-sponsored World War II Nominal Roll.

The online database established by the former Federal Government in 2002 has more holes than Swiss cheese, according to University of Queensland Master of Journalism graduate Bill Park.

"It is not a reliable source of information about many soldiers of WWII from Queensland," Mr Park said.

"The situation in other states is apparently much the same."

Mr Park completed three years' work researching his thesis which examined the World War II Nominal Roll and its reliability.

It has since been published by a German firm.

Mr Park was also named as the School of Journalism and Communication's Distinguished Alumnus for 2010.

But Mr Park's not giving up because he has a personal interest in the research: he turned 90 this year and served

as a lieutenant in New Guinea in the Army in World War II.

Now he and his Digger mates want to make sure the roll is accurate and up-to-date.

There are many omissions, errors and inconsistencies in the entries on the roll, he said, mostly among the so-called "Choco Soldiers". Yet it was many of these soldiers who helped defeat the Japanese advance along the Kokoda Track, and at Salamaua, Milne Bay and Bougainville.

Mr Park said that since the launch of the roll in November 2002, successive governments had become aware of deficiencies in the listings but had shown a lack of enthusiasm to remedy them.

"Yet over the same time frame they have spent millions of dollars on Remembrance campaigns involving phrases such as 'Lest we forget' and 'We will remember them' and more millions each year on recruiting campaigns.

"How can we remember them, if we can't find out about them?"

Mr Park gave a free public lecture on his research at St Lucia earlier this year.

// www.ww2roll.gov.au/

SUSTAINABILITY GOES ONLINE

The University of Queensland celebrated World Environment Day on June 4 with the launch of its new sustainability website.

Providing information on topics as diverse as climate change experiments and nesting boxes for native birds, the site is a one-stop-shop for information about how UQ is embedding sustainability into its research, teaching and operational activities.

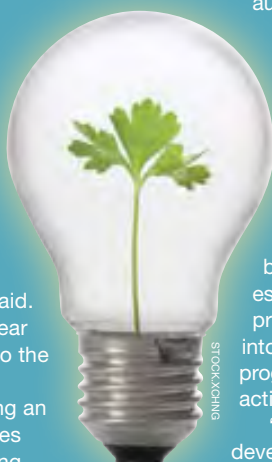
Environmental coordinator Kay Ollett said the website pulled key details about individual projects into one central resource, highlighting the range of initiatives under way at UQ.

"UQ is dedicated to embedding sustainability in all aspects of campus life," she said.

"This website provides a clear snapshot of how UQ is rising to the green challenge."

Initiatives include developing an environmental area at The Lakes precinct at St Lucia and planting native species in the bushland areas at UQ's experimental mine at Indooroopilly.

Ms Ollett said UQ aimed to incorporate a range of sustainable features into buildings and grounds to continually improve its environmental performance.



STOCKXCHNG

The Sir Llew Edwards Building, a recent addition to the St Lucia campus, features water harvesting, solar panels and an innovative shading system.

The University is also making serious and detailed efforts to reduce energy consumption. Lighting and air conditioning in lecture theatres is being automatically controlled to coincide with room bookings, staff are being urged to be vigilant about turning off computers and other equipment overnight, and energy efficient lighting has been installed around the campuses.

"In 2009 the University began widening its already established environmental program to embed sustainability into its teaching and research programs and operational activities," Ms Ollett said.

"To achieve this, UQ is developing its carbon strategy to identify, prioritise and guide progress."

The website is not just home to information on UQ's operational sustainability efforts; it also contains details on research, collaborative projects and study programs.

// www.uq.edu.au/sustainability

Listening in



STEWART GOULD

UQ's reputation as a global leader in translation and interpreting studies has received a boost with the opening of a high-tech learning space.

The newly-refurbished JM Campbell Conference Facility will be used by students in the award-winning Master of Arts in Chinese Translation and Interpreting (MACTI) and Master of Arts in Japanese Translation and Interpreting (MAJIT) programs.

The original facility has a remarkable story of its own, and was named after its benefactor, John Monteith Campbell. Mr Campbell was a Queensland grazier who had been assisted by local residents after unexpectedly falling ill during a trip to Japan.

He was so moved by their kindness that upon his death in 1974 he bequeathed a quarter of his estate to UQ to "advance the education of oriental languages within the State of Queensland".

Things have come a long way since then, with the refurbished space boasting the same conference and simultaneous interpreting equipment used in a professional setting.



Rugby club ready to celebrate **Centenary** year

The UQ Rugby Football Club confirmed its dominance of Queensland Premier Grade rugby by winning the 2010 grand final at Ballymore in September.

UQ overcame grand final debutants the Sunshine Coast Stingrays by eight points to win their first premiership trophy in 20 years.

The scoreline of 19–11 was particularly apt considering the University's rugby history.

1911 was in fact the year the UQ Rugby Club was established – an event that will be honoured through the club's Centenary celebrations next year.

UQ Rugby Club General Manager David Enfantie said the grand final win would make next year even more special for the club.

"I think the fact that we've had a really successful year will really cause a swell of old boys to come back and reengage with the club," Mr Enfantie said.

"Obviously the centenary year is very significant, and we're hoping that having a team that's so successful and so exciting to watch will add to that significance," he said.

Mr Enfantie said the club hoped to continue its dominance of Queensland rugby throughout its Centenary year.

"We're looking to make it back to back wins for Premier Grade, and also to go back to back with the Doughty Shield," he said.

The Doughty Shield is awarded each season to the most successful club across all grades.

UQ was the obvious choice for this award in 2010, with seven of its nine Brisbane competition teams making it to the finals.

Mr Enfantie said that despite the great season, there was room for improvement in 2011.

"After getting so many teams through to the finals, only two walked away with premierships," he said.

"But the experience will do us well and we obviously want to learn from that and get a few more teams to premiership status next year."

Premier Grade captain and UQ Sport Scholarship Ambassador James Hanson said the 2010 premiership was especially sweet for the veterans of the club.

"It was a great achievement and a pretty special moment," Mr Hanson said.

"For a few years we had a lot of players coming and going but over the last two seasons we've pretty much kept the same group of guys together which I think really paid dividends."

UQ Sport would like to congratulate the club on their impressive season and fantastic Premier Grade grand final victory.

// To keep up to date on the club's Centenary celebrations, visit www.uqrugby.com



IMAGES TOMMY HANSON AND COURTESY UQ RUGBY CLUB

Clockwise from top: UQ players pack a scrum with the Sunshine Coast Stingrays in the 2010 Premier Grade final, fullback Greg Martin playing for UQ in 1993, and Premier Grade captain James Hanson jogs past the premiership trophy



SIR JAMES FOOTS REMEMBERED

FORMER UQ CHANCELLOR SIR JAMES FOOTS PASSED AWAY IN AUGUST AT THE AGE OF 94. HERE, VICE-CHANCELLOR PROFESSOR PAUL GREENFIELD PAYS TRIBUTE TO AN AUSTRALIAN MINING INDUSTRY LEADER, DISTINGUISHED PHILANTHROPIST AND RENOWNED BUSINESSMAN.

Sir James Foots served as UQ Chancellor from 1985–1992, an era in which his business acumen was harnessed and philanthropic foresight embraced.

I can't pretend to do justice to how Sir James's vision, wisdom and generosity have helped position UQ for the 21st century.

Successful researchers will admit that their "breakthroughs" often hinge on serendipity – and Sir James's ascent at Mount Isa Mines (MIM) was serendipitous for UQ.

"SIR JAMES, A BELIEVER IN THE POWER OF UNIVERSITIES TO CONTRIBUTE TO THE EXPORT ECONOMY, HAD CREATED THE ENVIRONMENT FOR BOTH PARTIES TO MAKE GLOBAL ADVANCES"

He was the right man, with the right ideas, at the right time.

In an era when mining departments in some Australian and overseas universities were being diminished, he knew what higher education and research could do for MIM.

He galvanised mining education and research at UQ, and then expanded the relationship over more than five decades to touch virtually every facet of the University.

From the get-go, in the 1950s and 60s, the collaboration was mutually enriching.

For instance, academics and students earned an industry perspective when they conducted detailed research at the Mount Isa processing plant.

Sir James, a believer in the power of universities to contribute to the export economy, had created the environment for both parties to make global advances.

The partnership cranked up when he won the board's backing to release funds to help build and run (for an extended period) a new centre at UQ's Indooroopilly mine.

The Julius Kruttschnitt Mineral Research Centre (named after the former Mount Isa Mines General Manager and Chairman) opened in 1970.

JKMRC spawned JKTech – a roaring success in disseminating UQ research to the global minerals industry.

Today, JKMRC is organisationally within the Sustainable Minerals Institute – and that has headquarters in the Sir James Foots Building at our St Lucia campus.

Sir James became the inaugural Chair of MIM Holdings in 1970, and in the same year became a member of UQ's governing council, the Senate.

He sustained this voluntary role for more than 20 years – but in reality he remained a trusted adviser well into the 21st century.

When UQ gave him an honorary doctorate in engineering in 1982, the Vice-Chancellor of the day, Professor Brian Wilson, said he was "a man with no too-hard basket".

Brian saw Sir James as the natural choice to chair the new "UQ Foundation" – a serious attempt to link up with industry for research purposes.

To this day, that foundation provides hundreds of thousands of dollars in annual grants to promising early career researchers.

Within weeks of Sir James stepping aside as Chair of MIM Holdings in 1983, the UQ Senate unanimously voted him Deputy Chancellor. By mid-1985 he was Chancellor, unanimously elected when Sir Walter Campbell resigned to become Governor of Queensland.

At UQ, the Chancellor is the Chair of the board – but it's all gratis.

And Sir James was already excessively busy with voluntary service.

For decades, he had given back to communities, both personally and through MIM.

He was an inspired choice for Chancellor, and he and Brian made a gutsy duo.



Clockwise from main image: the facade of the Sir James Foots Building at St Lucia, Sir James with his official portrait, and at the opening of the building named in his honour with former Vice-Chancellor Professor Emeritus John Hay and the inaugural Director of the Sustainable Minerals Institute Professor Don McKee in 2005

As Brian says, Sir James presided over UQ at a seminal time – characterised by an improving national reputation for research, and the addition of both Customs House and Gatton Agricultural College to the University's portfolio.

Sir James continued as Chancellor until 1992, giving invaluable counsel while Australian higher education endured major structural change.

He was a foundation board member, and later Chair, of UniQuest, our globally-recognised research commercialisation company.

Then, in the early 90s he chaired UQ's first "Chancellor's Appeal" – a precursor to the current age, when philanthropy is of unprecedented importance to the University.

Sir James himself was an extremely generous but unassuming giver to the University.

Students and graduates in mining-related disciplines continue to benefit from the Sir James Foots Scholarships, expressly for people who can demonstrate genuine need as well as all-round merit.

That kind of support is priceless.

Perhaps he was acting on his experience as a semi-orphaned, brilliant boy who clambered out of poverty after winning a scholarship to the University of Melbourne.

He was the epitome of the self-made man who never forgot his roots, or the opportunities that a few kind people and a fine education gave him.

His clarion call to graduating students included: "Each generation has an obligation to make things better for the rest."

Clearly, he led by example.

Each year, thousands of successful students and their families celebrate their hard-won graduation – and since 1971 well over 100,000 graduates have attended their own ceremonies.

In 1971 Sir James – on behalf of MIM – gave us something unique: a mace made from Mount Isa copper, silicon-bronze, brass and silver.

Since then, the mace has followed a great number of students into their ceremonies.

That tradition won't change – it's as solid as the Mt Isa metals in the mace.

This is just one of the countless gifts from Sir James Foots that will keep on giving.



BRIAN WILSON PAYS TRIBUTE

When I arrived at The University of Queensland in January 1979 to take up appointment as Vice-Chancellor, I received an invitation from Sir James Foots, then a Senator of the University, to visit Mount Isa Mines, staying at the guest house and visiting the site the following day. What an experience!

This visit to the spinifex and the enormous physical plant facilities, above and deep underground, initiated a very positive personal and professional relationship with Jim as a Senator, Jim as my boss as Chancellor, and Jim as my friend – a friendship that lasted for 30 years.

His election as Chancellor in 1985 was in part a recognition of his enormous contributions to the Australian mining industry.

It also demonstrated the appreciation of the individual members of the Senate, which he had already served for 15 years, acknowledging his love of the University, his chairmanship skills, his fairness, integrity and approachability.

UniQuest, the University's technology-transfer company, was initiated in 1984.

Jim was a founding member of the board and later became its Chair.

Jim's business acumen, enthusiasm and energy carried the company through its initial growing pains – a company which has been successful beyond all expectations and is recognised now as a model for new developments of this kind.

Despite his other external commitments to industry and business while Chancellor, he was a wise adviser who made himself readily available to the University.

This accessibility and good counsel continued throughout the tumultuous years of the late 1980s, when the major structural changes to the Australian university system, introduced by John Dawkins, were being implemented.

In latter years, while living in France, I had less opportunity to meet with Jim and Thora.

When my wife and I visited with them two years ago in Caloundra, Jim's gentle care of Thora was a clear testament to their 70-year-long partnership, and when we met with Jim for the last time two months ago, we found ourselves enjoying greatly a meeting with a man who though frail, still housed the indomitable spirit, humour and intellect of the Jim of old. I am proud that he was my friend.

Vale, Jim.

Professor Emeritus Brian Wilson was UQ Vice-Chancellor from 1979–1995



STEWART GOULD

GRADUATE OF THE YEAR

While committed to performing well academically, 2010 Graduate of the Year Karl Davy is also passionate about sharing his knowledge with others.

Mr Davy, who graduated with first-class honours and a perfect grade point average of seven, was a part-time tutor and assisted students with a disability to complete their laboratory work.

President of the Alumni Friends of The University of Queensland Inc. Dalma Jacobs said Mr Davy completed a Bachelor

of Science in chemistry, a subject for which he showed talent and enthusiasm.

"Karl considers that tutoring was one of the most rewarding aspects of his honours year as it gave him the opportunity to put some of his knowledge to work in helping newer students learn about a subject for which he has great passion," Ms Jacobs said.

The annual Graduate of the Year Award, established in 1999, is bestowed on the student achieving the highest GPA in their undergraduate studies. Mr Davy was also the recipient of the 2006 UniChe Summer Research Scholarship, the 2008 TGH Jones Award for Academic Excellence in Chemistry, the Australian Laboratory Services Prize and the RACI Trevor Appleton Laboratory Prize in Analytical Chemistry.

// www.uq.edu.au/alumni



JEREMY PATTEN

A PREMIER HONOUR

The career achievements of two prominent UQ alumni were celebrated during graduation ceremonies in July.

Honorary doctorates were presented to the Queensland Premier, Anna Bligh, and former High Court judge, Justice Ian Callinan AC, QC.

Both received Doctors of Laws *honoris causa*.

Dr Bligh's award was in recognition of her distinguished career and service to the state, and Dr Callinan's degree acknowledged his significant contributions in the fields of law and the arts.

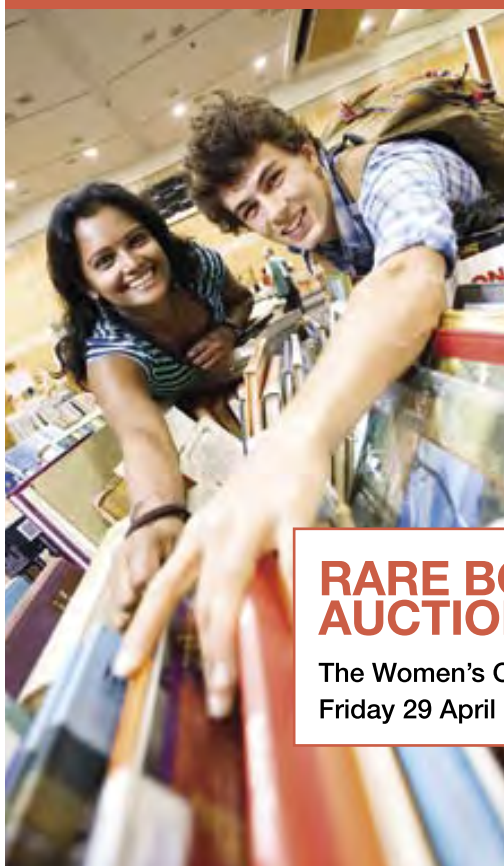
Dr Bligh was born in Warwick, and attended schools including Miami State High School on the Gold Coast. She was awarded her UQ Bachelor of Arts in 1981, and was elected as the member for South Brisbane in 1995. She became a Minister in 1998, and Deputy Premier in 2005, before being sworn in as Premier in September 2007.

As Premier, she works alongside Queensland universities to cultivate partnerships with international research centres, businesses and philanthropists. Her government continues to support universities and other institutions to attract and foster talented researchers.

Dr Callinan has made substantial contributions to the Australian justice system during his legal career, and as a playwright, author, art enthusiast and patron, he has also added to Australia's cultural development.

He is an Adjunct Professor within UQ's TC Beirne School of Law, and patron of the Friends of UQ's Fryer Library.

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IMAGES DAVID SPROULE

Philanthropist Dr Ron Thomson with second-year medical students Damien Hewitt and Gemma Benecke in the new Integrated Pathology Learning Centre at Herston

ALUMNUS ANALYSES HIS LEGACY

University of Queensland medical alumnus Dr Ron Thomson has decided to say thank you for his education in a big way – with a \$10 million bequest.

Dr Thomson, who graduated in 1956, is a former surgeon and now practising medico-legal consultant, who spent most of his working life in Sydney. During 2008–2010, he visited his *alma mater* to decide where his substantial gift should be directed.

“Without my medical degree and all of what followed as a result, I wouldn’t have been in a position to give something back to the University in recognition of what it gave me, which was the opportunity to obtain that degree,” he said.

An investment portfolio, estimated at \$10 million, has been set aside in Dr Thomson’s will.

The gift will be invested in a range of UQ projects which will benefit from its annual interest of approximately \$400,000 to \$500,000.

Dr Thomson’s bequest will also honour his mother, Pauline, and will be split between research at the UQ Centre for Clinical Research and teaching in the Department of Cellular and Molecular Pathology, in the School of Medicine.

Vice-Chancellor Professor Paul Greenfield compared the gift to that of the Mayne family – key figures in the establishment of UQ.

“Dr Thomson and his late mother, Pauline, are modern-day Maynes – as in Dr James and Mary Emelia Mayne, whose generosity in the 1920s and 30s continues giving to UQ, particularly in medical teaching and research.

“He calls himself an ‘ordinary’ person but I disagree. He is undoubtedly extraordinary and the University will still be celebrating his life in 2110 – our bicentenary,” Professor Greenfield said.

Executive Dean of the Faculty of Health Sciences Professor Nick Fisk said the bequest highlighted the importance of links with alumni.

“Dr Thomson’s bequest reflects the strength of the lifelong bond many graduates have with their medical school. We are profoundly grateful to Ron for his gift, which emphasises the pivotal importance of alumni

to Australia’s leading universities competing with the world’s best,” Professor Fisk said.

Dr Thomson has a particular interest in pathology, describing it as “the rock on which everything is subsequently built in the pyramid of medicine”.

The income from his bequest will support a new Integrated Pathology Learning Centre – an exciting, interactive facility for health students.

But the energetic 78-year-old, who remarried last year, has no intention of making his generous bequest anytime soon.



He visited UQ in March to view the pathology facility and meet with staff and students.

The \$1.5 million Integrated Pathology Learning Centre, which opened in April, brings together the extensive James Vincent Duhig Pathology Museum, including more than 2500 specimens, artefacts from the Marks-Hirschfield Medical History Collection, the Nursing Museum and the latest electronic teaching resources.

UQ Professor of Pathology Sunil Lakhani said the size and presentation of the collection in a modern facility was a unique development for Australia and comparable with leading facilities of its kind around the world.

“The collection has grown over many years, probably as long as UQ has had a medical program, which is more than 70 years. It has played a critical role in the education of UQ medical students, staff and allied health workers during this time,” Professor Lakhani said.

“This is a unique and unprecedented venture as most medical schools in the world are shutting their facilities, but at UQ there is a strong commitment to pathology.”

The centre integrates historical, clinical, radiological and pathological processes. It takes students on a journey from past to present and from cells to patients, so they can gain a complete understanding of disease.

The development of the facility was supported by financial donations of more than \$135,000 – many from medical school alumni.

The centre was officially opened by Dr Thomson and coincided with the opening of the Health Sciences Building, in which the pathology centre is housed.

The Health Sciences Building is located in the heart of the Royal Brisbane & Women’s Hospital campus and is an education facility for health students from a range of disciplines.

Formerly named the Clinical Sciences Building, it has undergone a \$27.8 million refurbishment and now includes state-of-the-art teaching rooms, mock hospital wards and clinical bedside coaching rooms.

Other features of the Integrated Pathology Learning Centre include interactive stations to test students on clinical-radiological-pathological correlations, stations for video feeds and audiovisual presentations on topics such as global aspects of immunisation, the history of medicine, and malnutrition and disease.

– MARLENE MCKENDRY

// www.uq.edu.au/health

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THE PEOPLE'S UNIVERSITY

Ben Robertson // RRP \$55

An edited excerpt from *The People's University*

It's hard to believe there was a time when the vast majority of Queenslanders didn't want a university. Over a century ago few residents cared about the intellectual yearnings of what some called the "kid-gloved men" from the elite grammar schools of Brisbane and the south-east corner. Far more urgent was the need for more railways.

One famous MLA from the agricultural Darling Downs, William H Groom, labelled the idea of a university as another worrying example of the "Brisbanization" of the colony. A journalist from the *Courier* wrote that universities were "jolly places" that manufactured "terribly bumptious persons". There were some brave men, including an archbishop, who complained about the intellectual sterility of Queensland and the need for a university to set higher academic standards. By all accounts their comments didn't win them many supporters outside the capital, where more than three quarters of the population lived.

Despite these early setbacks, and while swimming against the tide of public opinion, plans for a university slowly gained traction. For nearly 40 years, from 1870 to 1909, the positives and negatives of the idea were argued in parliament and thrashed out in the public domain led by the determined University Extension Movement, which coincidentally was launched in 1893 with the help of William Groom's son, Littleton E. Groom, who was its secretary. Finally, in December 1909, *The University of Queensland Act* was signed. The names of the members of the first senate appeared in the *Queensland Government Gazette* on 16 April 1910 along with the implementation of the previous year's Bill, and this has become the date that marks official celebrations. The University of Queensland was now in existence.



A CLIMATE FOR GROWTH

Edited by Brendan Gleeson & Wendy Steele // RRP \$34.95

An edited excerpt from *A Climate for Growth*

As Australia's fastest growing urban area with population levels expected to double over the next 20 years, south-east Queensland offers a powerful illustration of the growth paradox. The paradox takes three quite vexing dimensions. First, the big spend underway on infrastructure is trying to address perilous deficits, especially in water and transport. Much of it, especially the massive new tunnels, tollways and bridges, will worsen greenhouse emissions. But should we let the region grind to a halt or dry up? How can we turn around the supertankers of car dependency and resource profligacy?

The second dimension of the paradox is political: how do we address rising community unease about growth in general in a democracy where people can't be ordered to "stay put" and in a nation that continues to run one of the world's highest immigration rates? There is rising pressure from longer-term residents for a growth cap. But how do you put up the "full" sign in Australia?

These questions point to the third vexing dimension, which is an institutional question. How do we further develop and deepen the governance capacity to push through the growth malaise and build on progressive and transformative practices? Underpinning the region's continued growth is the need to plan for key infrastructure networks around transport, electricity, gas, water, hospitals and schools. Identified infrastructure pressures include: the continued growth of the SEQ economy and population; competition between projects and jurisdictions for scarce resources; changes in the living arrangements of the population causing stress on infrastructure, resulting in unreliability of supply; deterioration in environmental factors such as the level of rainfall; and traditional long lead times required to identify and commission new infrastructure.



Discovering ancient Rome

UQ students were able to explore ancient Rome recently without having to leave the St Lucia campus.

In Semester Two, the R.D. Milns Antiquities Museum welcomed four undergraduate student interns who undertook training in museum conservation, administration, ethics, curation and collecting.

Intern supervisor and final-year Master of Philosophy student Suzanne Kortlucke said the students were “the cream of the crop” and a pleasure to work with.

The Antiquities Museum internship is the brainchild of Dr Sonia Puttock, the museum’s curator and director, who has developed the program over the past eight years.

“The program has been very successful and ex-interns and volunteers have worked in a variety of institutions around the world, including Caerleon Roman Museum in Wales, the Tower of London, the Tate Gallery in London and the Roman Baths,” Dr Puttock said.

Third-year ancient history and archaeology student Ryan Taddeucci said he thought the experience would increase his career prospects and had particularly enjoyed curating the final exhibition.

“We tried to focus on the broader sociological aspects of the artefacts and what they tell us about the people who used them in their daily lives,” he said.

Ms Kortlucke said museums were still popular among the general public, with ancient artefacts continuing to entice visitors.



Intern Meg White working in the R.D. Milns Antiquities Museum

“Every grade three child who comes through this museum knows more than I do about Egypt. They’re just sponges for information,” she said.

“I think that all the artefacts in the museum still hold a lot of interest for people.”

The Antiquities Museum internship is the only opportunity of its kind in Queensland.

The collection consists of several thousand objects, mostly relating to the

classical civilisations of Greece, Rome and Egypt, but also housing collections relevant to the study of other Near Eastern and European groups. It also holds a broad collection of Athenian black and red figure ceramic fragments, along with a wide variety of other fragmentary artefacts.

Many of its artefacts have been acquired through generous donations or monetary gifts.

OBITUARY

ADRIAN HEYWORTH-SMITH (1934–2010)

Barrister and devotee of classics and antiquities, Adrian Heyworth-Smith, was a Bachelor of Arts (honours) and Bachelor of Laws graduate, who enjoyed a long and happy association with his *alma mater*.

He was a member of Senate; a Warden of Convocation; Adjunct Professor of Classics; President of The Alumni Friends of The University of Queensland; President and later Patron of the Friends of Antiquity; a member of the Disciplinary Tribunal; and a member of the committee of the Sports and Recreation Association.

He was particularly passionate about the Friends of Antiquity group – a joint initiative of Classics and Ancient History (now known as the School of History, Philosophy, Religion and Classics) and the Alumni Friends of



The University of Queensland Inc. – a group committed to the idea that learning should not be confined to the classroom.

He was also an intrepid traveller of the world with his wife, Jennifer, and a member of the Rose Society.

According to his daughter Cate’s eulogy, Mr Heyworth-Smith never regarded the law as a “passion or vocation”.

“The law presented itself at a difficult time when he realised he wanted more for his family than a career in the classics or in teaching would provide,” she said.

“I asked him a couple of months after he retired in 2004 whether he missed the law. He answered that he missed the people. He said he missed his colleagues; he missed the solicitors; he missed hearing the war stories, he missed the determination and sparkle of

the younger barristers; he even missed the judges. Some of them.”

Mr Heyworth-Smith grew up in Chelmer, attending Graceville State School and then Church of England Grammar School, now known as the Anglican Church Grammar

School. He later returned to the school as a boarding master and to teach Latin, the classics and senior maths and physics.

Mr Heyworth-Smith enjoyed sport – from his time at Churchie and during his University years, he was a very good tennis player, a terrific leg-spin bowler and a state champion and representative in shotput. But it was sailing which was to prove a joyous and lifelong preoccupation.

Mr Heyworth-Smith’s otherwise idyllic life took a turn for the worse when he was diagnosed with atypical relapsing remitting multiple sclerosis in 1970 – a medical time bomb which later led to him becoming paralysed down his left side.

“His reaction to this was to work harder – to take every brief he could, no matter who it came from, what it involved or which court it sent him to. He wondered, later in his career, if he had done himself a disservice by conducting his practice in this way – if he had somehow missed out,” Cate said.

“Given the risks and challenges he faced, he was quite adamant that he would never have had it another way: to his mind, he needed to pay off his house and set up his family as well as he could as soon as he could.”

He is survived by his wife, three children and three grandchildren.

+ KEEP IN CONTACT

1982 TELLING WAR STORIES

**Pamela Rushby,
BEdSt, BA, MLitSt**

Pamela Rushby thinks some of the most exciting and imaginative books are written for children and young adults.

And since graduating with a Bachelor of Educational Studies (1982)

and a Master of Literary Studies (1988), she has written more than 150 books and short stories with that audience in mind.

Her latest young adult novel, released in 2009, is *When the Hipchicks Went to War*.

Set during the 1960s in Brisbane and Vietnam, the story is about Kathy, an adventurous 16-year-old girl who leaves school to dance and entertain the Australian troops serving in the war.

Since its release, *Hipchicks* has been awarded the Ethel Turner Prize for Young People's Literature as part of the 2010 New South Wales Premier's Literary Awards, and has been recognised as a Notable Book in the Children's Book Council of Australia awards for 2010.

Besides writing books, Ms Rushby has also written television and radio scripts, produced documentaries, worked for the Queensland Department of Education film unit and worked as a pre-school and primary teacher.

When searching for new topics for novels, she always chooses something that gets her thinking.

"Sometimes I'm asked by a publisher to write on a particular topic; other times it's because I see something that interests

me and makes me ask myself, 'what if'," Ms Rushby said.

"Then I do research and ask myself 'what if' some more and the story builds from there."

In *Hipchicks*, what seems like the adventure of a lifetime turns into a trip filled with lessons in love, conflict, culture and war.

A Queenslander herself, Ms Rushby said her goal was to write about growing up in an interesting time.

"It's set in Brisbane, in the 1960s; that was my teenage era," she said.

Although she now has an impressive catalogue of books behind her, Ms Rushby still gets excited when a new one is published.

"When my first book appeared in the bookshops, I couldn't stop going to them and looking at it. I even had my daughter take photos of me in front of the display," she said.

Ms Rushby, who dreamed of becoming an author from the age of six, said her best advice to aspiring writers is to read.

"Read and then read some more, and when you start to write you will know how it's done," she said.

"Maybe other careers are safer, but you don't want to be sitting in your rocker in the old people's home wishing you'd had a go."



COURTESY PAMELA RUSHBY

1986 CITY OF BRIDGES

Chris Demartini, BE Civil (hons)

Queenslanders now have twice as many reasons to be proud of an iconic Brisbane structure, thanks to engineering graduate Chris Demartini.

Mr Demartini was in charge of managing the design and construction of the second Gateway Bridge, which opened six months ahead of schedule in May.

Named the Sir Leo Hielscher Bridge, it forms part of the \$2.12 billion Gateway Upgrade Project (GUP), one of the largest road projects in Queensland's history, covering 20km.

"Working on such an iconic bridge for Brisbane always makes it easier to come into work," he said.

"However, the most enjoyable aspect has been working with a close-knit team that is passionate about what they are doing."

Four lanes of the new bridge opened to southbound traffic in May and all six were operational in August.

The bridge includes a crossing for pedestrians and cyclists and can accommodate more than 100,000 vehicles per day.

Motivated by Brisbane's progression and modernism, the bridge's new connection

route acts as a "gateway" and a symbol of the city's future potential.

"This, coupled with the new stretch of motorway north to Nudgee Road and the upgraded motorway south to the Pacific Highway will mean significantly less congestion during peak time and reduced travel times for commuters," Mr Demartini said.

Large projects often attract talented designers and Mr Demartini said he had an opportunity to work with and learn from world-class engineers from Scotland, France, Hong Kong, England and Malaysia.

Minimising environmental impact was an important design component, with more than 1.3 million predominantly native and drought-resistant plants brought on site.

The team employed wildlife spotters to survey all construction sites before construction began and implemented waste management and water conservation programs throughout.

Mr Demartini is also responsible for the upgrade of the old Gateway Bridge.

When refurbishment is completed in late 2010, there will be six northbound and six southbound lanes running between Eagle Farm and Murrarie.



COURTESY THE AUSTRALIAN

1990 TALE OF SURVIVAL

Elizabeth Rosner, MLitSt

When Elizabeth Rosner got the call to say her second novel would soon be re-released in paperback, she had two reasons to be hopeful.

"The news of the deal came to me on the very same day that I shaved my head in preparation for my chemo treatments," Ms Rosner said.

"So I feel that my own second chance at life is coinciding with the renewed life of this novel, which is in itself a story of hope and redemption."

Blue Nude is a haunting love story which follows the tale of Danzig, a once prominent painter who now teaches at an art institute in San Francisco, and his muse Merav, the Israeli-born granddaughter of a Holocaust survivor and herself a former art student.

The paperback edition was published in September.

Ms Rosner's writing is inspired by her heritage: both of her parents are Jewish Holocaust survivors.

Her father, who was born in Hamburg, was sent to Buchenwald concentration camp, while her mother survived the war by hiding in the Polish countryside.

Ms Rosner grew up in Schenectady, New York, and now lives in Berkeley, California, where she works as a full-time writer.

Ms Rosner said her time at UQ helped to advance her career.

"I remember many brilliant as well as generous people inside and outside my department, fellow students as well as faculty members who both inspired and assisted me," she said.

"In particular I was thrilled to be exposed to post-colonial literature, and that interest has remained with me to this day."

She was diagnosed with breast cancer on her 49th birthday – December 31, 2008.

For Ms Rosner, 2009 was defined by treatment, including surgery, radiation and chemotherapy.

"Turning 50 on New Year's Eve 2009 was an especially significant milestone, as you can imagine," she said.

"Often people with cancer are told how necessary it is to have a 'positive attitude'.

"But I believe that each of us has to find our own way of coping with the extraordinary emotional challenges of cancer."

Now cancer-free and feeling "gratefully healthy", she is penning her third novel, *Electric City*, which is set in her hometown in Upstate New York.

Her first novel, *The Speed of Light*, has been translated into nine languages and is the winner of several literary awards.

// www.elizabethrosner.com



COURTESY ELIZABETH ROSNER

1994 KNOWLEDGE TRANSFER

Dorothy Jenner, MEdSt

By helping people help themselves, Dorothy Jenner has successfully improved education systems throughout the Pacific islands.

"Having the goal of making yourself obsolete sounds strange but it's the key to most of the activities I am involved in," Ms Jenner said.

Ms Jenner is the team leader for UniQuest's Kiribati Education Management Information System (EMIS).

A specialist in education planning and policy, Ms Jenner was presented with UniQuest's 2009 Award for Best Practice in International Development Assistance.

EMIS projects provide technical support for education authorities throughout the Pacific Islands, enabling schools to monitor and manage students' learning outcomes using information technology.

Ms Jenner's expertise in a range of education policy, planning and training issues has helped teachers from schools in the Solomon Islands and Vanuatu to build capacity for their education ministries.

"Observing the transformation as

local colleagues are able to use their newly acquired knowledge and skills in their day-to-day work is very rewarding," she said.

Ms Jenner began her career as a primary school teacher, working in a number of Queensland's rural and urban community schools. Interested in furthering her education, she enrolled in a Masters of Education Studies (Guidance and Counselling), graduating in 1994.

While studying, she became involved in non-teaching roles with Education Queensland, further developing her interest in social justice, equity and disability-related issues.

In 2005, Ms Jenner became involved with international development projects for the Vanuatu Police Force and Ministry of Health and Medical Services in the Solomon Islands.

Ms Jenner also held senior positions at Port Moresby Grammar School before holding management roles within Education Queensland's Murrumba District Office.

Ms Jenner said she was honoured to receive the award, which had been presented in previous years to colleagues for whom she had enormous respect and admiration.

"To be acknowledged in this way is very gratifying and I thank UniQuest for giving me the opportunity

to do this work for the last four years," Ms Jenner said.

"However, I did not work alone. I would like to say thank you to my colleagues on the EMIS projects – both those in-country and at the St Lucia office – for all of their support, advice and guidance which helped me to achieve the outcomes on the projects."



IMAGES COURTESY DOROTHY JENNER

1995 HORROR STORY

Gary Kemble, BA



COURTESY GARY KEMBLE

Like most horror fans, Gary Kemble remembers the exact moment he was truly scared by a book; it was while reading Stephen King's *The Shining* in high school.

He has been hooked on horror writing ever since.

The UQ graduate is one of the winners of the 2009 *One Book Many Brisbanes* competition, which aims to develop new and emerging Brisbane writers.

Bug Hunt – about survivors trying to escape Brisbane after an infestation of giant cockroaches – was published in *One Book Many Brisbanes 5*.

Mr Kemble, who has had more than 20 short stories published, works for the Brisbane-based ABC News Online service.

He started with the ABC in 2002, sub-editing radio and TV copy for the web.

He was also one of the journalists behind the 2005 launch of *Articulate*, ABC News Online's arts blog.

Articulate was created to give staff an opportunity to cover any arts related news they come across in their day-to-day lives, and tends to feature a broad spectrum of pop culture themes.

Mr Kemble is currently ABC News Online's social media coordinator, working on developing and implementing social media strategy.

"Our reporters have found Twitter to be a treasure trove of story ideas; it's a great social-networking tool," he said.

Outside of work, Mr Kemble continues to read and write horror and science fiction novels.

"I read heaps of science fiction and thriller novels when I was growing up, and still do, which is why my own writing tends to blend these genres," Mr Kemble said.

He said he believes the key to powerful horror writing is building believable characters.

"Unless you care about the characters, why would you be worried about what happens to them?" he said.

He also produces his own blog, *The Kemblog*, which discusses his fiction writing endeavours.

For aspiring journalists, Mr Kemble's advice is to be flexible.

"Don't be fussy when you get out of uni, but also keep an eye on where you would like your career to go, and be ready to take advantage of any opportunities which come your way," Mr Kemble said.

His next project is a novel about a bio-terrorism attack on Brisbane, where a biological agent wipes out about 90 percent of the population. The protagonists are a counter-terrorism agent and a major underworld figure, who team up and fight their way out of the city.

1999 A WAKE UP CALL FOR DRIVERS

Dr Daniel Bongers, BE (hons), PhD

Predicting things before they happen has been a common career theme for Dr Daniel Bongers.

The PhD graduate completed his thesis on developing a system for fault detection in coal mining machines in conjunction with the School of Mechanical Engineering and the Cooperative Research Centre for Mining (CRCMining).

Using a combination of engineering knowledge and artificial intelligence, the system is able to detect machine faults up to five minutes in advance of the event, allowing operators to change their behaviour and avoid the fault occurring.

Dr Bongers' latest invention is the SmartCap, a baseball hat with a number of sophisticated sensors built into the cap's lining that monitor a mining machine operator's fatigue level via their brainwave information.

If a potentially dangerous fatigue level is reached, a warning message is sent to the



ANDREW LONG

driver's in-cab display, alerting them to the need to stop, rest and refresh.

The SmartCap has been deployed in a number of Australian mines, but Dr Bongers isn't stopping there.

"The SmartCap was originally developed for the mining industry, but it has the same application in the oil and gas, aviation and public transport industries," Dr Bongers said.

"But we are also looking into possible application for ordinary car drivers."

Dr Bongers credits his drive to innovate to the resources provided at UQ.

"UQ's strong partnerships with CRCs played an integral part in my studies," Dr Bongers said. "The unique mix of research and industry collaboration resulted in a very stimulating and challenging environment."

2000 STUDY BUDDIES

Louise and Mike Butwell, ADAppSc

For husband and wife Louise and Mike Butwell, studying as mature-aged students brought them closer together and helped to secure their dream jobs.

While living in Victoria and owning and operating a security business, they decided it was time to transform a hobby into a viable career.

In their spare time the couple enjoyed spending time outdoors, hiking and experiencing Australia's diverse natural wonders.

"We constantly enjoyed bush walking in our national parks and longed to help protect the wildlife," Mrs Butwell said.

After moving to Queensland in 1995, they enrolled in an Associate Diploma in Applied Science (Wilderness Reserves and Wildlife), graduating in 2000.

Both now work in Brisbane with the Australian Quarantine and Inspection Service in the import clearance department.

Mr Butwell is stationed at the International Airport, processing passengers arriving from



around the world, while Mrs Butwell works in a surveillance role checking imported air and sea cargo.

Having accomplished their goals, the couple now feels they are doing their part to protect Australia's flora and fauna.

"We are doing this by preventing exotic pests and diseases from entering the country," Mrs Butwell said.

The couple said they enjoyed their time studying at the Gatton campus while working as security officers at the international and domestic airports.

Although some subjects such as surveying and engineering were daunting, the couple said they recognised the advantages of their new skills.

"Studying together we found it helpful to consult each other and at the same time we were learning even more as we would each do different assignments," Mrs Butwell said.

"All the science subjects were amazingly rewarding. We thoroughly enjoyed the whole course and at the end I wanted to keep learning more."

For those thinking about changing career direction, Mrs Butwell said it was never too late.

"The atmosphere was wonderful and on graduation day we were rewarded for our hard work. If you want something bad enough you will achieve," she said.

IMAGES COURTESY MIKE AND LOUISE BUTWELL

2001 MARATHON MAN

Scott Griffin, BCom, BSc

UQ Business School graduate Scott Griffin successfully completed a six-day, 250km ultra-marathon across the Kimberlies to raise funds for contemporary Australian music.

One-hundred-and-eighty-five competitors ran across the desert in Western Australia, with Mr Griffin, a Brisbane-based accountant, placing 33rd.

His injuries included blisters on his feet and a damaged tailbone. He also lost five toenails.

"On day 5 at 8pm, when I reached the 60km mark of the 100km challenge, I had to decide whether to keep running in the dark through 20km of croc territory or pull out," Mr Griffin said.

"The main reason people pulled out was too much pain and this race had the highest drop-out rate of any race they have held."

Mr Griffin said while making it to the finish line was tough, the race was a valuable experience.

"I met amazingly inspirational people – a famous musician from Germany; a female Korean film producer, who has now run six desert races including Antarctica; and of course Salvador, the winner, who is an absolutely amazing athlete," he said.

Mr Griffin said the race was also an apt opportunity to raise funds for a worthwhile cause – The Australian Voices (TAV), one of the country's leading choirs.

"Without a doubt this race was an amazing event to help raise funds for TAV and Australian music," he said.

"I have sung to audiences all over the world and we sing about Australia – about Uluru, the Glasshouse Mountains, the Great Barrier Reef and our deserts.

"What better way to really understand Australia than to travel across it on foot?"

His best advice to anyone thinking of taking on a big challenge was to stay positive.

"Sometimes big goals seem impossible or unachievable. The secret is to break them into small pieces and stay optimistic. Optimism is so underrated," he said.



IMAGES CHRIS LUSHER

+ KEEP IN CONTACT

2002 CROSSING THE DESERT

Melanie Wee, BJ

UQ journalism graduate Melanie Wee tested her physical and mental abilities when she ran across the driest place on Earth – the Atacama Desert in Chile.

“The race takes you out from your daily life and comfort zone. I got to see the world in a whole different perspective,” Ms Wee said.

“In many ways I ran my own race.”

Part of the Racing the Planet event – a series of four ultra-endurance races across major deserts of the world – the Atacama Crossing is usually a seven-day, 250km self-supporting race taking place at over 3000m above sea level. Day time temperatures hit 45°C, while competitors carry their own food, clothes and gear required for seven days.

However, due to the devastating Chilean earthquake in February, the race was shortened by one day and competitors had to complete the course in six stages rather than the usual seven.

Ms Wee, a journalist for Argus Media

based in Singapore, said the added test of strength and endurance bolstered her sense of accomplishment. During day four of the race, she had to pull out due to the cut-off time she had missed for that stage.

“I had given my all – and wanted to see how far I could go,” she said.

While Ms Wee said she had risen to the physical challenge of the event, she was more surprised by her mental and inner strength.

“I remember the determination I had in me. I remember pushing myself amid the pain and realised the pain somehow subsides,” she said.

The race was rated the second-most difficult endurance competition in the world by *Time Magazine*, with competitors required to battle altitude, extreme heat, long grass, salt flats, rocks, rivers and kilometres of sand dunes.

Ms Wee, whose father is a cancer survivor, raised more than \$12,000 to donate to the Singapore Cancer Society.

2005 ENGINEERING A SUSTAINABLE FUTURE

Lizzie Brown, BE

As CEO of Engineers Without Borders Australia (EWB), Lizzie Brown coordinates a diverse group of volunteers, all with the common goal of helping disadvantaged communities improve their quality of life.

“For some volunteers, this could mean undertaking a 12-month placement in a remote part of Nepal,” she said.

“For others, it means designing a flyer for a fundraising event or facilitating a workshop.”

A not-for-profit organisation, EWB implements sustainable engineering projects around the world.

Ms Brown was previously EWB’s operations director and took up her new role in May.

She founded the first Queensland chapter in 2004 and launched the EWB Challenge design program for first-year engineering students.

She said the organisation was always looking for new ways to engage individuals and companies in its work.

“During August we ran our first Dialogues on Country (DOC),” she said.

“During a two-week period, eight EWB volunteers travelled through the Murray-Darling Basin to talk to Aboriginal people about water and land management.

“The DOC initiative aims to create positive change in the engineering profession through a dialogue between professionals in the water industry and Aboriginal communities.”

Engineers Australia has named 2011 the Year of Humanitarian Engineering, with EWB embracing the initiative.

“We’ll be involved in a number of new events focused on the themes: educate, activate and celebrate,” Ms Brown said.

EWB has more than 5000 members, 20 chapters and 100 volunteers working on projects in Australia and overseas.

// www.ewb.org.au

2006 NURSING NATURAL

Yana Jones, BNursing

One of UQ's first nursing graduates was recognised for her work raising awareness of prevention and early detection of cancer by being named the Cancer Council Queensland's 2009 Nurse of the Year.

Yana Jones was awarded the title after raising \$35,000 for the Cancer Council Queensland and campaigning heavily to spread the message of sun safety.

Now based in Ipswich, Ms Jones was inspired to enter the contest after experiencing the effects of cancer on her own family and working in cancer care at Innisfail Hospital and the Princess Alexandra Hospital.

As part of her win, Ms Jones attended the International Society of Nurses in Cancer Care convention in Atlanta in March.

"Attending the convention was a wonderful opportunity to meet other cancer care nurses from across the world and hear about the latest research in areas such as patient care," Ms Jones said.

Ms Jones said UQ's combination of academic learning and practical, hospital-based teaching was fundamental in preparing her for a career in nursing.

"The small-group, problem-based learning that I experienced at UQ meant that I was ready to face any challenge from my first day on the job," she said.

Ms Jones said she looked forward to continuing her career in cancer care and possibly advancing her studies with postgraduate training in the field.



COURTESY MARTY FOWLER/SEPHOTOGRAPHY

2007 VOICE OF MONGOLIA

Emma Browne, BA, BSocSci

Young Mongolian people now have a medium to discuss and explore local issues, thanks to UQ graduate Emma Browne.

Ms Browne helped launch an English language radio program earlier this year which was developed in response to the growing demand for authentic and locally placed English language practice, particularly among students.

Called The Hive, and broadcast by the 107 Zugii (Bee) radio station, the program is delivered by Mongolian English-speaking volunteers.

"The Hive gives young people in Ulaanbaatar the chance to celebrate cultural diversity and reinforce the benefits of language learning," Ms Browne said.

Ten program segments include discussion forums, an arts appreciation series, local news summaries, information sessions, world music and radio drama.

Ms Browne first moved to Mongolia in 2008 as an Australian Youth Ambassador for Development, a program run by AusAID, and returned in 2009.

She has worked as a trainer for the AusAid Australian Development Scholarships, a program which prepares scholarship candidates for

postgraduate study in Australia and with a local NGO on the expansion of teacher training programs.

"My time here has certainly emphasised the value of listening and the importance of process in institutional strengthening and project sustainability," she said.

One of her fondest memories from her first Mongolian trip was ice-skating on Lake Khuvsgul.

"The experience was amazing: the skating, the fishing, riding on a horse sled across the frozen lake. As you skated or sledged

across it, you could hear the ice cracking as loud as thunder," she said.

"I would have been worried, except I had seen a chainsaw struggle to cut through two metres of ice for fishing."

Ms Browne is now studying for a Master of Arts in Education and Development at the University of Sussex.



COURTESY EMMA BROWNE



2008 TRENDY RESOURCE

Madeline Veenstra, BEcon, BA

Fashions may come and go but Madeline Veenstra hopes she may be able to keep the trends alive in the online world.

Ms Veenstra, whose passion for fashion stems from working as a retail sales assistant while completing her degree, has created Wikifashion – a site containing information about style icons, blogs, fashion shows, brands, writers and models.

The site launched in 2008 and now has around 1000 members, with more than 150,000 page views per month.

"I created Wikifashion so that there would be a place on the Internet to collaborate and compile images, information and videos about fashion and I really loved the idea of creating a site that others could edit and contribute to," Ms Veenstra said.

"The fantastic thing about the site is that it can include anything that the users want it to, provided it has something to do with fashion.

"The site also has pages for specific garments. Users have edited these pages to include images of the garment, colourways, size, price, material and fit."

Ms Veenstra has big ambitions for Wikifashion, with hopes that it

becomes a picture-intense Wikipedia-like resource.

However, the success of the database is dependent on the quality of the content, and Ms Veenstra is calling upon all fashion lovers to contribute to the site.

"We'd like for it to be a depository of clothing images," she said.

"Over the next few years I hope to make Wikifashion a site for up-to-date fashion information, with a strong community of editors, that's as simple and easy to use as possible.

"I'd also like to continue building a solid community around the site, so that it can become the best source of fashion information on the web.

"If there is anyone who enjoys fashion and writing or feels that they could contribute to the site in any way, that would be fantastic."

After graduating in 2008, Ms Veenstra began working as an economist, but is now working full-time on developing Wikifashion.

In the future, she hopes to continue building Wikifashion and possibly dabble in freelance fashion journalism.

// <http://wikifashion.com>

2009 EXPANDING THE AUDIENCE

Dr Caroline Heim, PhD

Caroline Heim may be a theatre expert, but she's often more interested in observing what happens off the stage than on it.

Her latest project, *Shadowlands*, the intriguing story of C.S Lewis's relationship with American poet Joy Davidman, challenged audiences to understand love and embrace life.

The show ran during July and August at the Brisbane Powerhouse.

To fully engage the audience and provide a theatrical experience for all, the play was interpreted in sign language and tactile tours were offered prior to each performance.

Dr Heim runs Crossbow Productions, the only theatre company in Queensland which offers this service and has been a great resource for Deaf Services Queensland.

While at UQ, Dr Heim focused her studies on the audience/stage relationship and the power of theatre to affect change in audiences.

She has also studied the new participatory role audiences have begun to play in the last century and their desire to be provided with more than just entertainment.

Dr Heim facilitated discussions after performances of *The Miracle Worker: the story of Helen Keller*, at the Brisbane Powerhouse in 2009.

The audience discussed how changes in the perception of people with disabilities needed to take place in society.

Dr Heim was the first person to complete a UQ PhD in performance and research.

After graduating, she was offered an associate lectureship position at QUT in performance studies.

"My time as a postgraduate researcher at UQ has laid the foundations for a successful career as an academic," Dr Heim said.

Dr Heim said she hopes to grow Crossbow Productions, with a Sydney performance scheduled in 2011 and future international dates on the cards.

// www.crossbowproductions.org



2009 A LESSON IN INTERNATIONAL LAW

Rebecca Rowling, BA/LLB

Sitting in on major trials at The Hague in the Netherlands has brought the career goals of law graduate Rebecca Rowling into greater focus.

Ms Rowling commenced a six-month internship at the International Criminal Tribunal for the former Yugoslavia (ICTY) shortly after graduating in 2009.

Her interest in the area was piqued while competing in the Red Cross International Humanitarian Law Mooting Competition in 2007, where she explored the jurisprudence of tribunals including the ICTY.



COURTESY REBECCA ROWLING

The Hague is home to the ICTY, the International Criminal Tribunal for Rwanda appeals chamber, the International Court of Justice, the Permanent Court of Arbitration and the International Criminal Court. It is also the seat of the Dutch government.

A regular day during the internship involved managing issues before the trial chamber, summarising evidence of witnesses, and assisting in the preparation of orders of the chamber.

A highlight of the placement came when a procedural matter Ms Rowling had been working on was broadcast on the ICTY news service and within internal staff updates.

"My work was both challenging and rewarding, and I felt that at the end of my internship I had many new skills, and that I had obtained an insight into the work of international tribunals," she said.

Her time at The Hague coincided with several large trials including that of accused Bosnian and Croatian War criminals.

"Seeing witnesses give evidence on such serious topics in their native language, whilst hearing live translations between BCS (Bosnian, Croatian and Serbian), English and French was captivating," she said.

Since returning to Brisbane Ms Rowling has commenced an 18-month associateship with The Honourable Justice Margaret Wilson of the Supreme Court of Queensland.

2009 WORKING IN A WARZONE

Kevin Melton, MIS

For Kevin Melton, starting the day with a babywipe shower was a world away from life when he was completing a Master of International Studies at UQ.

But, working for USAid in Kandahar Province in Afghanistan, the poor shower facilities were the least of his worries.

Until September, Mr Melton worked as a field program manager for a small bureau within USAid called the Office of Transition Initiatives.

Embedded with coalition forces, he worked with community leaders to coordinate and develop rebuilding strategies.

"Stabilising a country needs civilian input," Mr Melton said.

"No matter how well-trained the military are, they are always perceived as being there for a different reason.

"It takes time to build trust but I believe that process is as important as the result.

"If an initiative is driven by the community it creates its own momentum and the result is that what is generated is what is most needed."

Originally from Washington DC, Mr Melton came to UQ on a Rotary Peace Fellow Scholarship, studying at the prestigious Rotary Centre for

Peace and Conflict Resolution based in the School of Political Science and International Studies.

"I use the skills I learnt at UQ every day," he said.

"And my colleagues frequently use my thesis to understand the work that is being done."

Mr Melton started in September 2009 and said he had seen first hand the violence that still prevails.

"Early on I found myself caught up in an incident and saw exactly what war is like," he said.

"I went through a short training period before I was deployed but nothing prepares you.

"I realised very quickly how dangerous this place is."

"The work is exhausting and you need to keep a balance," he said.

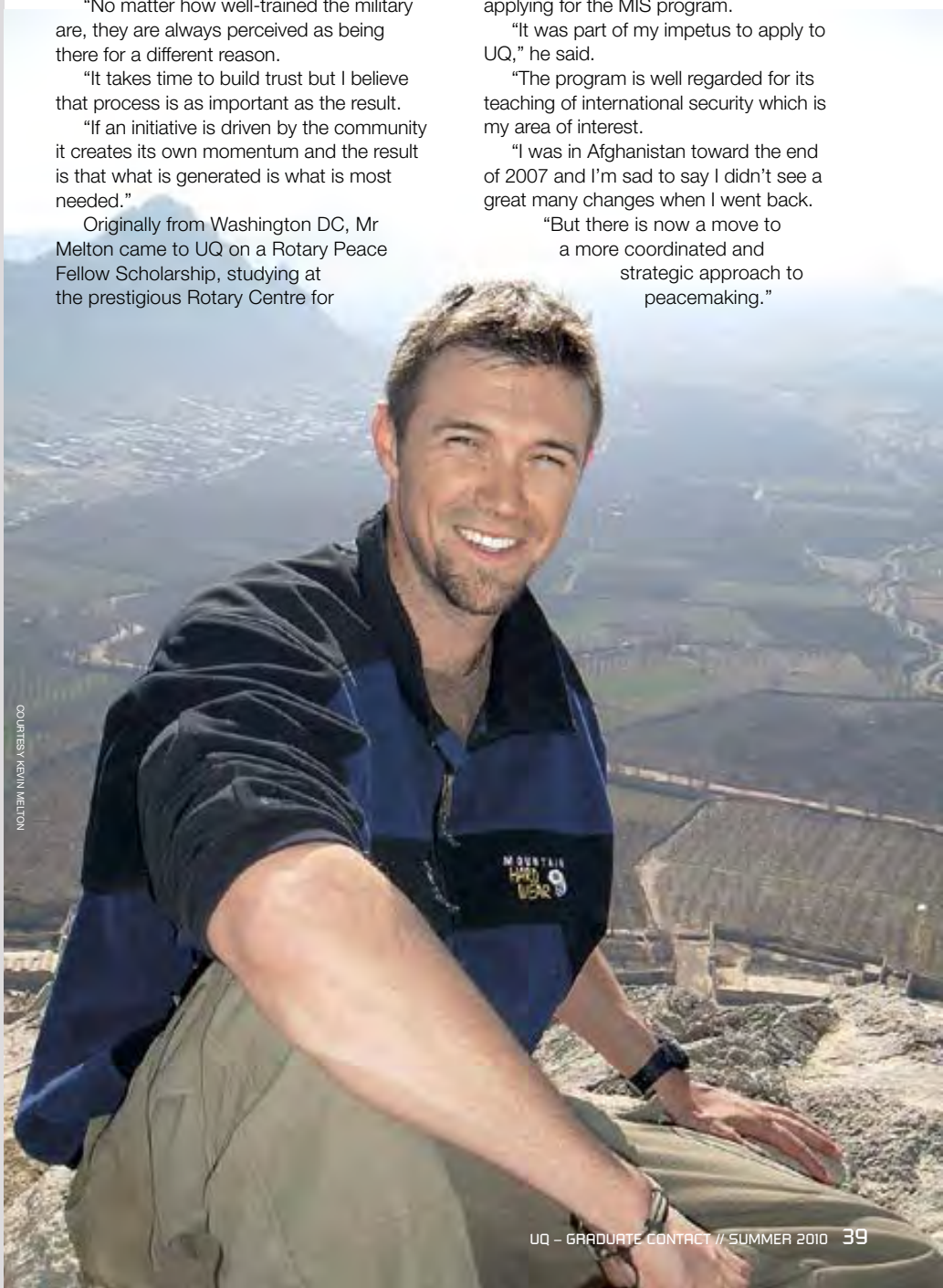
Mr Melton said he understood the job's emotional demands, having worked on and off in Afghanistan for five years before applying for the MIS program.

"It was part of my impetus to apply to UQ," he said.

"The program is well regarded for its teaching of international security which is my area of interest.

"I was in Afghanistan toward the end of 2007 and I'm sad to say I didn't see a great many changes when I went back.

"But there is now a move to a more coordinated and strategic approach to peacemaking."



COURTESY KEVIN MELTON



KARRI HARTLEY

SCIENCE AND ART UNITE

A UQ ENVIRONMENTAL SCIENCE STUDENT IS PURSUING HER LOVE OF PHOTOGRAPHY WITH REMARKABLE RESULTS.

An image of a tiny bird from a remote island in British Columbia has seen a UQ researcher shortlisted for a top photography prize.

Environmental science honours student Karri Hartley returned in April after spending a month studying the song sparrows of Mandarte Island, which sits in the waters of the Strait of Georgia northeast of Victoria, Canada.

Ms Hartley's image of a five-day-old chick fitted with a combination of coloured ID tags (pictured), was one of the top 25 submissions in the 2010 Australian Museum Eureka Science Photography Prize, and was

on display earlier this year in Melbourne's Federation Square.

On three-to-five day expeditions which lasted from dawn to dusk, Ms Hartley and her colleagues worked out the location of each bird nest on the island. Once they were found, the team secured newborn chicks, outfitting them with tags and taking blood samples.

The 30-year study, led by Professor Peter Arcese of the University of British Columbia, is unique because each sparrow is essentially part of a giant family tree.

Each bird has been identified in a similar way since 1975, producing a complete social and genetic pedigree for the researchers to examine; a kind of *Who Do You Think You Are?* for the birds of the island.

"Due to the negative impact of humans, many animal populations are being reduced, threatened or endangered with extinction. This research can help us understand the preservation needs of at risk animals," Ms Hartley said.

"It's important because the findings can point to management actions for other small populations threatened with extinction."

Ms Hartley said her shortlisted photo captured her twin passions of conservation and communicating science to the wider community.

"Through photography we can bridge the gap between science and art and in doing so, show that the two aren't irreconcilable. Photography evokes emotion instantly, and it provides the public with an insight to science they may never have seen before," she said.

Other shortlisted entries included remarkable photographs of stars and nebulae, and insects devouring their prey.

After graduating in 2011, Ms Hartley hopes to find a position that can harness both her research and photographic skills.

– ALLISON ROCK

ONLINE // View a gallery of Ms Hartley's images at www.uq.edu.au/graduatecontact