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A shining light
UQ LEADS RENEWABLE ENERGY RESEARCH
What do you think about CONTACT MAGAZINE?

Published twice a year since 1990, Contact is sent to approximately 150,000 alumni and partners around the world. To ensure the magazine and website continue to meet your needs, please take the time to complete a short online survey. We value your feedback.

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Welcome to the Summer 2011 edition of Contact.

Attending the Courting the Greats dinner at St Lucia recently, I was struck by the collected achievements of our growing alumni network, which now numbers almost 200,000 people from every corner of the globe.

In addition to acknowledging our highest achieving graduates, the event provided an opportunity to reflect on the efforts of the extended community – alumni, students, staff, partners and friends – who rallied behind the University in the wake of the January floods. Part of that legacy is the positive impact of the Student Emergency Welfare Fund Appeal, which was supported by hundreds of people and combines with the physical transformation of refurbished buildings and facilities in recent months.

There is no shortage of hardworking and inspirational people with a UQ connection, and this year we have marked the achievements of several outstanding individuals with an honorary doctorate (more on pages 19 and 35). They include leading businessman and philanthropist Graeme Wood, pioneering electrical engineer Else Shepherd, and music educators Max Olding and Pamela Page.

A person with many letters and awards to her name is the late Margaret Olley AC. On pages 14–15 we pay tribute to one of Australia’s favourite artists, who had a special connection to UQ. A retrospective of Margaret’s artworks, Life’s journey, brought thousands of people to St Lucia in 2009, and her generosity ensures her spirit lives on in art museums across the country, including our own.

One of the University’s first benefactors, Thomas Charles Beirne, would have been entertained by the debate which took place at Customs House in August. The event marked the 75th anniversary of the UQ law school, which bears his name and is now one of the country’s largest (story on page 17).

To ensure Contact keeps you connected with the University, I invite you to complete the online readership survey flagged on the opposite page. This is the first such exercise since the magazine went online in 2009, and we welcome your feedback.

Thank you in advance for your input, and happy reading.

John Story
Chancellor
In mid-2011 more than 6600 alumni in almost 100 countries took the opportunity to express their views of UQ by being part of an online survey. Thank you to all the respondents, whose answers will inform our efforts to offer alumni the programs and benefits that they want.

Hundreds invested extra time to write comments about their relationship with UQ, and many of these were particularly instructive.

Overwhelmingly, people had positive memories of their student experience and gave high ratings to the education that UQ now provides. For example, 94 percent felt proud to be a UQ graduate, 91 percent said they had an overall great experience as students, and almost 90 percent would recommend UQ to their friends.

These ratings are a tribute to past and present staff, and to the quality of our alumni community.

On the other hand, alumni were generally cool about their present relationship with UQ. Only 40 percent agreed that they had a strong relationship with UQ, almost one-third were neutral about it, and the remainder disagreed with the proposition.

Also, most people did not feel that they were a valued part of the UQ community.

Clearly, the University’s strong performance towards students is not flowing through to alumni. As engaging with alumni is integral to the University’s vocation, and we strive for all-round excellence, this is indeed a serious concern.

If you are someone who finds UQ’s performance towards alumni lacking, please be assured that alumni are valued as intrinsic to UQ, irrespective of whether they are quiet achievers, celebrities, or people who studied purely for the love of learning. When I take the University’s increasing success as the prevailing theme of this magazine, I cannot isolate it from the work of countless people whose stories are not documented.

I was gratified by the magnanimity of the thousands of alumni who would consider volunteering, especially if it enables them to help students.

Half of the respondents signalled interest in giving guest lectures or joining discussion panels, 42 percent were interested in being career mentors, 44 percent would consider assisting with UQ humanitarian projects, and more than a quarter were interested in inviting a new international student home for dinner.

I know that many hundreds of alumni already volunteer as adjunct academics, student mentors, fundraisers, advisors, reunion organisers, UQ Senators – the list goes on. It is now up to UQ to expand opportunities for people to serve in these roles and other ways.

More than half of our alumni live within an hour’s drive of central Brisbane, but altruism is not limited by borders or datelines. This is proven by the members of the new board of The University of Queensland in America Foundation, the dynamos running our 10 Asia-based alumni associations, and the residents of Vietnam who supported a group of current students who performed exceptional deeds for children of a community in the Mekong Delta.

A similarly generous disposition towards UQ students of today and tomorrow came through in alumni’s answers to questions about donating, with scholarships being the most popular target for people who were able and willing to give funds to UQ.

People shared valuable insights on activities that interest them, and their preferred avenues for receiving communication from the University. On the basis of this you should expect to see more email invitations and notices about seminars, cultural events and professional development.

Judging by answers relating to benefits and services they would like to receive, many alumni treasure knowledge and scholarship as ongoing links with the University. Their most popular choices were library access that is free or discounted (the latter is already available), and lifelong learning.

The take-out message for the University is that actions speak louder than words. Busy alumni took the trouble to tell us what they like and dislike about their relationship with UQ, with some even inviting the University to partner with them to improve offerings for their fellow alumni.

There is now a decisive onus on the University to digest the criticisms as well as the compliments to communicate better with alumni who want to maintain or reinvigorate contact with their alma mater, and to harness the enthusiasm and creativity of alumni who want to share their wisdom, energy and connections. Stay tuned.
A vision to more rapidly translate health research into breakthrough medicines was the driving force behind talks held in August between Queensland’s “Smart State” medical research institutes and one of the world’s top medical research universities.

A delegation from the University of California, San Francisco (UCSF) toured a number of Brisbane’s medical research and technology facilities at the invitation of Founding Chairman of The Atlantic Philanthropies, Mr Charles “Chuck” Feeney.

The Chancellor of UCSF, Professor Susan Desmond-Hellmann, and the CEO of UCSF Medical Center, Mr Mark Laret, spent three days touring Queensland research facilities that have benefited from the support of The Atlantic Philanthropies.

The Atlantic Philanthropies has provided more than $AUD500 million in funding to Australia in the past 13 years, including in excess of $AUD250 million to Queensland. This support has helped build or expand 20 research facilities in Australia (13 in Queensland), with a built value of more than $AUD1.5 billion.

The tour included a visit to the construction site of the new $345 million Translational Research Institute (TRI), which received $50 million from The Atlantic Philanthropies and will be the first in Australia and the largest institute of its type in the southern hemisphere. Upon completion, the TRI will be among a handful of facilities worldwide that can research, trial treatments and manufacture breakthrough drugs in the one location.

TRI CEO and Research Director, and 2006 Australian of the Year, Professor Ian Frazer, discussed future collaboration opportunities with Professor Desmond-Hellmann during her visit.

TRI will draw together 650 researchers from its four partner institutions at the new facility to be located on the Princess Alexandra Hospital campus in Woolloongabba.

Students were left inspired and moved by the speakers, particularly by a special performance and talk by 2006 Australian Idol runner-up and chart-topping singer Jessica Mauboy.

Ms Mauboy described her transformation from a shy aspiring singer in Darwin to an award-winning artist who spent the early part of 2010 working with leading producers and singers such as Snoop Dogg and Ludacris on her new album.

Another highlight of the event was a dinner hosted at Southbank Parklands where the students were addressed by Paralympic swimmer and former world record holder Karni Liddell.

Other speakers included Jack Manning Bancroft, the founder and CEO of Australian Indigenous Mentoring Experience (AIME), Michael Combs, founder and CEO of CareerTrackers Indigenous Internship Program, and Neil Willmett, founder and Managing Director of Willmett Consultants.

“Each of the speakers were very honest and approachable and managed to connect on a deep level with the students,” Head of the Business School Professor Iain Watson said.

“I believe this camp was not only a great success but will have a lasting impact on the students’ lives and future career choices.”

James Uta jams with award-winning singer Jessica Mauboy during the inaugural Yalari Horizons leadership camp held at UQ.
Thriving in “The Freezer”

By Caroline Bird

Experiencing two weeks without sunlight while withstanding average temperatures of -20°C would be enough to send most Queenslanders packing.

But for UQ alumnus Ivor Harris, it’s all part of the challenge of living and working on the coldest, driest and windiest continent on Earth – Antarctica.

Whether it’s travelling on quad bikes along sea ice, getting up close to the largest royal penguin colony in the world, or catching baby fur seals for tagging, the veterinarian and former UQ staff member has come to call the isolated continent his second home.

Mr Harris has completed three tours as manager for the Australian Antarctic Division’s (AAD) Casey (2003), Mawson (2006) and Macquarie Island (2010–2011) stations – spending up to one year at a time at each base.

“Going to Antarctica had always been an ambition of mine and the idea of spending a year down there in a such challenging role and in such extreme environmental conditions was very attractive to me,” Mr Harris says.

“Even though I’ve now spent just under three years in total living there, I can confidently say I’m still not sick of it.”

Often referred to as “the freezer”, Antarctica has been visited by fewer than 200,000 people. Mr Harris is one of only a small number of Australians who live there in any given year.

AAD staff venture to Antarctica to carry out environmental management and research programs that are critical to understanding global change and human impacts on the continent.

Summer is the busiest time for researchers, with much smaller numbers staying to see out the harsh winter. With a mere four hours of twilight a day for two weeks and temperatures falling to -40°C on the coastline and -80°C inland, the season is considered the most difficult time of year in Antarctica.

“It was certainly challenging, not only because of the climate, but also due to the confinement and isolation of a small community,” Mr Harris explains.

“You can’t leave from March to November, because no planes can fly in or out.

“So, for nearly eight months we were physically alone, even though we had good electronic contact with the rest of the world.”

Despite the difficulties endured during the Antarctic winter, Mr Harris is continually drawn back to “the freezer” by his passion for the continent’s unique wildlife.

“The animals you find there are such marvels of biological adaptation,” he says.

Their sheer numbers on land is a remarkable trait of living in such a harsh environment and while they rarely see humans, they have little fear of people.”

Mr Harris has witnessed firsthand spectacular scenes that most of us only see in wildlife documentaries, including the “extraordinary experience” of standing amongst colonies of hundreds of thousands of emperor and king penguins.

“The noise, smell and huge size of the group are prominent at first, but as your nose and ears adjust you notice more of the characters and behaviours of the individual animals. You become more conscious of

Ivor Harris at the Auster emperor penguin rookery near Mawson station
each penguin on its own rather than the vast group,” he says.

One aspect of Mr Harris’s work on Macquarie Island involved catching and handling fur seals to tag, micro-chip and retrieve skin scrapings for DNA analysis.

“Fur seals are one of the dominant predators of the Antarctic ecosystem. Understanding their health helps us understand whether the environment is under stress,” he says.

But traversing the unrelenting terrain of ice, rock and snow to get to the animals was sometimes an easy task.

“Vehicular sea ice travel requires a high level of awareness of the environmental hazards such as areas of thin ice, tide cracks in the ice and accumulation of deep snow on the sea ice, which can mask the danger underneath,” Mr Harris explains.

“It was scary at the time, but I look back on it now and think it was great fun.”

Knowing how to travel safely in Antarctica is just one of the skills taught in the intensive training undertaken by AAD staff.

Selection for a station manager role is very competitive and involves a number of steps including a week-long selection process in Tasmania focusing on survival skills, leadership exercises and psychological training.

“They really want to make sure you have the physical, emotional and mental attributes to cope with the isolation and confinement, as well as any people challenges that may emerge during the year,” Mr Harris says.

“I was very fortunate to be selected as a station manager on my first application. After being in the role once, it was easier to apply for the position on Mawson and Macquarie Island.”

In between his stints to Antarctica, Mr Harris works as a scientific officer with the rank of Major at the Army Malaria Institute at Enoggera in Brisbane, where he is responsible for operations and logistics, and is involved in anti-malarial drug development and veterinary supervision.

In recent years, he has also contributed to malaria elimination activities in Vanuatu and the Solomon Islands as part of an AusAID-funded project.

Early in his career, Mr Harris worked as a UQ lecturer in veterinary science before taking on the role of Director at the central animal breeding house at the Pinjarra Hills farm.

His interest in microbiology and parasitology grew during his employment at the centre and he returned to his alma mater to complete a Master of Philosophy (veterinary microbiology) – researching novel ways of treating difficult types of biological wastes, particularly piggery and other animal effluents.

Drilling ice to place a bamboo cane track marker at Casey station

During his time on Macquarie Island, his expertise in this field was greatly sought after.

“Although I wasn’t at Macquarie on a scientific basis, I assisted in several biology projects where my professional abilities were put to good use, in particular for a pest control program for feral rabbits,” Mr Harris says.

“But my studies in biological sciences also gave me grounding for a broader spectrum of research activities, which assisted me greatly in my work in Antarctica.”

When asked about plans to return to “the freezer”, Mr Harris’s response is telling.

“I’d love to go to the Davis station to complete all four of the Australian bases,” he says.

“Preferably in winter.”

UQ – CONTACT // SUMMER 2011
UQ HAS OPENED ITS FIRST INTERNATIONAL OFFICE IN WASHINGTON DC.

The University of Queensland has officially launched its new American strategy at a special event at the Australian Embassy in Washington DC.

The function in June, which also formed part of the Global Challenges Lecture Series, coincided with the opening of a new University office on 15th Street, with dedicated staff to facilitate and support the University’s engagement initiatives in the USA.

The move comes as UQ advances its international agenda to expand linkages and partnerships with American businesses, government bodies, universities and alumni.

The University’s strategy in the USA will encourage and support research collaboration and commercialisation, foster student exchange, and rally the support of UQ’s USA-based community of alumni and friends.

The University of Queensland is currently involved in more than 2300 research projects with collaborators in more than 50 countries, $43 million of which involve a USA-based partner.

Vice-Chancellor Professor Paul Greenfield said the strategy signalled the serious commitment of the University to deepening its collaboration with its USA partners.

“The new office in Washington DC will support us to build strategic research and educational collaborations and increase student and staff exchange with our American partners,” Professor Greenfield said.

“We want to continue to be a university that is connected with the global community and one that addresses the issues that are impacting on today’s world.

“To do this, we are strengthening our connections in America and establishing partnerships.”

The mission of The University of Queensland in America Foundation is to encourage sustained philanthropic support from alumni and friends, with the foundation established as a 501(c)(3) not-for-profit organisation.

“Strategic philanthropy has enabled The University of Queensland to dramatically increase its capacity to contribute to global problem-solving through support of the University’s eight research institutes and to offer life-changing education to the best and brightest students regardless of their background,” Professor Greenfield said.

“Truly great global universities have significant philanthropic engagement from their alumni and friends. A key factor leading to The University of Queensland’s success is due to our philanthropic supporters who have engaged their networks across the globe.”

The inaugural Chair of the foundation is the Chairman and CEO of Dow Dr Andrew Liveris. Dr Liveris graduated from UQ with first-class honours in chemical engineering in 1975, and joined The Dow Chemical Company’s Australian offices in 1976. Throughout his career, Dr Liveris has maintained strong links with the University and was its 2005 Alumnus of the Year.
Indonesian connections

Visit strengthens UQ’s South East Asian links.

The University of Queensland extended its academic, government and alumni partnerships during a tour of Indonesia earlier this year.

Vice-Chancellor Professor Paul Greenfield and Deputy Vice-Chancellor (Academic) Professor Debbie Terry led a successful delegation in May.

The program included visits to partner institutions, meetings with senior Indonesian ministers, a suite of seminars and alumni functions, and briefings from Australian government agencies.

Among the highlights was the signing of a new UQ partnership with one of Indonesia’s leading research institutes – the Eijkman Institute of Molecular Biology. The visit to the institute included the inaugural joint UQ-Eijkman seminar, which featured a presentation about UQ’s dengue fever research by Professor Paul Young.

A new agreement was also signed between UQ’s Faculty of Business, Economics and Law and Indonesia’s largest and oldest national university, Universitas Gadjah Mada, complementing an existing Memorandum of Understanding between the two institutions.

Dean of the UQ Graduate School, Professor Zlatko Skrbis, delivered the first Indonesian UQ Research Higher Degree seminar in Jakarta, followed by a talk from Indonesian UQ PhD graduate Dr Siti Zulaiha.

Professor Greenfield capped off the visit with a presentation entitled “Universities in the 21st century: their role in solving global challenges” to enthusiastic audiences in Jakarta and Yogyakarta.

The presentations were part of the UQ Global Challenges Leadership Series, which sees experts discuss major international challenges with alumni and partners around the world.

Australian Ambassador to Indonesia Greg Moriarty endorsed the UQ visit at an official reception hosted at his residence.

The tour coincided with the launch of the translated version of UQ publication Coral Reefs and Climate Change: A Guide for Education and Awareness by Mr Moriarty and Maritime Affairs and Fisheries Minister Fadel Muhammad.

Mr Moriarty was also on hand to present UQ graduate Professor Endang Sukara, Vice-Chairman of the Indonesian Institute of Science, with the Australian Alumni Award for Excellence in Research and Innovation.

Following the Indonesian tour, UQ delegations visited Japan, Vietnam, India, Oman and the United Arab Emirates in October and November.
SOLO LIVING ON THE RISE

One in four Australian households are single occupancy homes, and it’s predicted that in the coming decades millions more will choose to live alone.

It’s a lifestyle that’s often labelled as a lonely existence, but for some people it’s a preference.

This rise in living alone is the focus of a recent study – the first of its kind – which was conducted by Executive Dean of the Faculty of Social and Behavioural Sciences Professor David de Vaus. Living alone is an increasingly common living arrangement in developed economies and the increase of Australian households being occupied by just one person is a pattern that has been growing steadily in all western countries since World War II.

Based on interviews with 4300 Australian households, the study discovered more than 40 percent of people will spend a period in their adult lives living alone but most of these spells will be short – about 2.5 years.

“For many, solo living is a transitional period within a more complex life course. Solo living comes between periods in group households, follows relationship breakdown or after other family changes like leaving home or after children leave,” Professor de Vaus said.

“This style of living does not signal a rejection of family living, but does reflect changes in the way in which people arrange their family life course.

“Today we delay marriage, have fewer children and are more likely to end relationships. All these make for periods of living alone.”

The study also found people who typically chose to live alone were not abandoned to a life of isolation, and usually re-entered some form of family living.

Those who live alone do so because they want to; they do so for relatively short periods and then re-engage in family households,” Professor de Vaus said.

“Living alone springs partly from the fact that people in advanced economies are simply wealthier and healthier and can afford to live alone. They are also healthy enough in old age to manage on their own.”

INVESTING IN A NEEDLE-FREE FUTURE

New company Vaxxas Pty Ltd will enable Professor Mark Kendall from UQ’s Australian Institute for Bioengineering and Nanotechnology to continue his pioneering research and development of the Nanopatch.

The AUD$15 million investment is led by OneVentures, with co-investors Brandon Capital, the Medical Research Commercialisation Fund and US-based HealthCare Ventures.

The Nanopatch has thousands of small projections designed to deliver the vaccine to abundant immune cells in the skin, whereas the traditional syringe hits the muscle where these are sparse.

Early stage testing in animals has shown a Nanopatch-delivered flu vaccine is effective with only 1/150th of the dose compared to a syringe.

In addition to improving the efficiency of delivery, the Nanopatch has the potential to dramatically improve patient convenience and reduce the complications associated with needle phobia, needle-stick injuries and cross contamination, which are key global health issues.

The Nanopatch is designed for thermostability and to not need refrigeration, making transport much cheaper and easier, particularly to developing nations around the world.

Professor Kendall (pictured), said in the developed world about 14 percent of a vaccine’s costs were in maintaining the cold chain – while in the developing world the impact was even greater.

Member of the Vaxxas Board of Directors Douglas E. Onsi said the Nanopatch had the potential to transform vaccine delivery for the pharmaceutical industry and for patients around the world.

"MAN FLU" NOT A MYTH

Researchers from the School of Medicine have made an important discovery about how the immune system reacts to rhinoviruses responsible for the common cold.

The team, led by Professor John Upham, found young women make a stronger immune response to rhinoviruses than young men.

These differences disappear after menopause, so are probably regulated by sex hormones.

Professor Upham said the discovery was crucially important for finding new ways of combating rhinoviruses.

“While these viruses are just a nuisance in healthy people, they can make people with asthma or other chronic lung diseases very unwell,” he said.

“In our efforts to find new ways to prevent these infections, we need to take into account the effects of hormones, and how they affect the immune system.”

The researchers are studying how the immune system worked – or didn’t work – in people with asthma, in addition to tracing the effects of hormones on the immune system, with long-term plans for development of a vaccine.

“While these viruses are just a nuisance in healthy people, they can make people with asthma or other chronic lung diseases very unwell,” he said.

“In our efforts to find new ways to prevent these infections, we need to take into account the effects of hormones, and how they affect the immune system.”
ORANGUTANS INSPIRE PSYCHOLOGY PROJECT

A UQ researcher will spend part of the next three years working in Indonesia to better understand the comparative psychology of orangutans and children.

Dr Emma Collier-Baker from the School of Psychology arrived in Jakarta in September to commence a joint venture between UQ and Universitas Indonesia.

Dr Collier-Baker is a comparative psychologist who has been investigating the mental capacities of children, great apes and other species for the past 10 years.

She has experience conducting behavioural research with captive primates in various institutions in Australia and around the world, and last year returned from five months of field work funded by an Endeavour Research Fellowship observing wild orangutans in the rainforests of Sumatra.

Her goal in Indonesia is to develop a primate cognition and child development laboratory, conducting non-invasive behavioural research with orangutans and other primates, and with children in a pre-school centre at the university campus.

Dr Collier-Baker said a major aim of the project was to see Indonesian students and staff become involved in the growing study of comparative cognition.

“They are ideally placed to do so in a country which is home to many primate species, including Asia’s only great ape,” she said.

“I hope with more Indonesian researchers involved we will not only see new contributions to knowledge but to conservation, by raising the profile of endangered species like the orangutan.”

GUILTY PLEASURES UNDER THE MICROSCOPE

Red wine and chocolate are part of the working week for UQ researcher Dr Aaron Micallef.

Dr Micallef, from the Australian Institute for Bioengineering and Nanotechnology, recently designed and prepared new compounds that mimic the activity of antioxidants found in the two popular products.

He hopes the compounds can promote the body’s natural antioxidant defences, neutralise damaging free radicals in the body and fight the onset of associated diseases such as heart disease and arthritis.

To mark National Science Week in August, Dr Micallef explained his research as part of a popular wine and chocolate tasting event at the Queensland Museum at South Bank.

Dr Micallef discussed antioxidants in wine and chocolate, their relationship to his AI$N research, and his role as an associate investigator for the ARC Centre of Excellence for Free Radical Chemistry and Biotechnology.

“I want people to realise that there are links between chemistry, chemical research, the foods we eat and our health,” Dr Micallef said.

“Free radicals are implicated in many processes in the body, such as inflammation, ageing and cancer. They can be very damaging, but we are conducting research into how we can use antioxidants to neutralise free radicals and prevent this damage.

“Eating foods rich in antioxidants can help mop up damaging free radicals in the body. It means we are taking the guilt out of pleasures such as red wine and chocolate.

“I have a soft spot for a good glass of red wine and dark chocolate myself, so the research is definitely very appealing.”

Reactive free radicals are believed to be the cause of the accumulated damage in cells that contributes to ageing and degenerative diseases. Antioxidants can protect against this damage, either neutralising the radicals directly or promoting the body’s natural antioxidant defences.

Dr Micallef said his synthetic compounds would have potential applications in fighting disease if they were found to mimic the protective properties of the antioxidants found in red wine and chocolate.

Called “Radical Wine and Chocolate”, the event featured guest speakers and tastings from Ballandean Estate and Sirromet Winery. Local chocolatiers from Bittersweet, Mayfield and Ballandean Estate were also in attendance.

LINGUISTIC SURVIVAL

As the number of Aboriginal languages dwindles, UQ researchers are intensifying their studies to protect and document those that remain.

Research in Australian languages is a focus at UQ, with the University hosting one of the largest clusters of Aboriginal language academics in the country. The group includes researchers Dr Ilana Mushin, Dr Rob Pensalfini, Dr Myl Turpin, Dr Felicity Meakins and Dr Erich Round.

There were approximately 250 Indigenous languages before settlement and now only 20 remain. UQ linguists are involved in practical community-based research, which includes creating and releasing Aboriginal dictionaries, books and collaborating with schools.

“There is no doubt Aboriginal language continues to change,” Dr Meakins said.

“I’m hoping to document older language and test to see if younger people are speaking in the same way.”

Early next year, linguists from around Australia will meet at UQ to discuss current Aboriginal language research.

The 2012 Australian Languages Workshop will be hosted by the School of Languages and Comparative Cultural Studies and will be held at the UQ Moreton Bay Research Station from March 9–11.
A team of UQ students made the most of their mid-year holidays to pitch in at a primary school in a remote community in Vietnam.

The group from the Faculty of Business, Economics and Law partnered with local alumni to spend three weeks in the Mekong Delta after raising an impressive $45,000 to make the trip a reality.

The three-classroom primary school in Mo Cay, Ben Tre Province, houses approximately 100 children and is located in a part of the village which has no access to running water and the classrooms and its surroundings are affected by seasonal flooding.

The volunteers assisted in the refurbishment of the school facilities, in addition to teaching English at a second primary school. Projects included upgrading classrooms to avoid flooding, digging a well and creating a more hygienic toilet system, and ensuring safe children’s play areas.

UQ International Volunteer Project coordinator Celia Yeo, who accompanied the students on the trip, said the group worked side-by-side with the local community and UQ alumni based in Vietnam.

“It was inspiring to see members of the community, the students and UQ alumni all working together, happy to get their hands dirty for the good of the community and the children,” Ms Yeo said.

Students were selected for the trip in January and fundraised more than $45,000 before their departure in June. Upon their return the volunteers were enthusiastic about the difference the project made not only to the locals of Mo Cay but also themselves.

Second-year international hotel and tourism management student Erin Jentz said she volunteered to help the international community.

“I knew that the trip would be an experience of a lifetime but it was only after the trip that I realised how amazing the experience was,” Ms Jentz said.

Postgraduate student Hamish Clift said the experience had added a new perspective to his learning experience.

“I study development economics, and I wanted to get firsthand experience working on a development-oriented project,” Mr Clift said.

“The project fulfilled this expectation and more and allowed me to work at a local level and get an understanding of what challenges and opportunities manifest themselves in such projects.”

“Helping Kids Smile in Vanuatu”

Christine Southall on the island of Malekula in June and July.

More than 80 percent of people in Vanuatu live in rural villages and access to healthcare is limited. Vanuatu recorded just six dentists, six therapists and zero hygienists in a study published in the International Dental Journal last year.

The dentist/population ratio sits at a staggering 1:34,812, while the comparable figure for Australia is 1:1910.

The team brought 80kgs of donated equipment from Brisbane, including 6kgs of toothbrushes.

“The doctors were so grateful as oral health has a very limited budget in Vanuatu and they do have to work with very basic materials,” Ms Hobbs said.

Ms Hobbs educated nursing staff on early childhood dental decay and implemented a program in an attempt to reduce disease. Children in the area will now receive a highly concentrated fluoride varnish when treated at Norsup Hospital.

The team also visited remote schools to screen students and educate on preventative care.

“We had 128 children brushing their teeth on the oval at Tautu School. The kids loved it!” Ms Hobbs said.

Ms Hobbs said the team had built some great relationships during their time in Vanuatu.

“On the final evening, the Norsup Hospital staff put on a traditional feast of coconut, chicken and yam laplap and banana pudding to say thanks. This was a great time to relax and to chat to all of the wonderful staff. They do a great job with the challenges they face.”
Kim Groves has this simple but powerful advice for others wanting to make a difference in the world – “be courageous”. It’s an approach that has paid off for the Spanish and development studies graduate, who recently swapped her apartment in Brisbane for a mosquito net in Mexico to learn more about the microfinance movement.

Since May, Ms Groves has been based in Oaxaca as a volunteer for Fundación En Vía (“On the path”), a group which provides interest-free loans for a diverse range of small businesses run by local women.

Loans in Mexico often carry very high interest rates, locking entire parts of the population out of the market. En Vía offers tours to show microfinance at work – using 100 percent of income to invest into local businesses and additional services such as free English classes.

Ms Groves’s fascination with the country began when she took a round-the-world trip following graduation in 2006. Inspired by what she saw and experienced, she returned to Brisbane and wrote her honours thesis on modern Mexican land reform.

After seeking out international volunteer opportunities earlier this year, Ms Groves found herself being quizzed by En Vía staff on webcam. “I remember them asking me at the end of the interview if I needed time to think about making the commitment and buying the ticket to travel there. ‘I’ve already bought it’, I replied.”

Ms Groves said absorbing a new culture and language had been made easier thanks to the kindness and generosity of the local people. Highlights of her stay to date have included visiting Zapotec ruins at Monte Alban, cheering along at soccer matches and sampling the delights of Mexican cuisine (including grasshoppers!).

In addition to developing her Spanish skills, Ms Groves has been able to harness her love of photography while in Mexico, with her images featured on the En Vía website and used to promote the organisation’s work in the media.

She said being involved in a small non-government organisation had taught her the importance of being flexible and using initiative to solve problems. “There are no fixed topic questions, or style guides out here. Among the volunteers we have a saying that we are working with a ‘moving target’,” she said.

Ms Groves said her experiences in Mexico had inspired her to undertake further study, and to seek out future development projects that assist women to succeed on their own terms.

“I REMEMBER THEM ASKING ME AT THE END OF THE INTERVIEW IF I NEEDED TIME TO THINK ABOUT MAKING THE COMMITMENT AND BUYING THE TICKET TO TRAVEL THERE. ‘I’VE ALREADY BOUGHT IT’, I REPLIED”

“The women I work with inspire and surprise me constantly,” she said. “I realise, being here, and hearing their stories, that ‘the path’ to development is often a difficult one. However, I have learnt with En Vía that when a woman is given a chance to walk it, she does so with pride.”

// www.envia.org

Kim Groves surveys the ancient Zapotec city of Yagul, and right, one of En Vía’s customers and spools of thread used for weaving projects.
The University of Queensland joined with the Australian arts community earlier this year to mark the passing of singular artist and philanthropist Margaret Olley AC.

Awarded a UQ honorary Doctor of Letters in 1999 in recognition of 50 years of service to the arts and philanthropic endeavours, Ms Olley passed away in Sydney on July 26 at age 88.

At a special memorial service at the Art Gallery of New South Wales, Governor-General Quentin Bryce was among those who paid their respects. Ms Bryce discussed how she had visited the artist at her home just a few days before she died, and how they had discussed a Picasso that was to be gifted to the National Gallery of Australia.

Reflecting Ms Olley’s love of music, the service incorporated performances by didgeridoo player William Barton, pianist Alexey Yemtsov, and the Australian Chamber Orchestra. In attendance were many artists and gallery directors including Betty Churcher, Edmund Capon, John Olsen and Ray Crooke. Also present were the two Archibald Prize-winning portraits of Olley – William Dobell’s entry from 1948 and the radically different likeness by Ben Quilty that was named this year’s winner.

Lismore-born and Somerville House educated, Ms Olley was best known for painting still lifes and interiors of her own house and landscapes.

Following some initial controversy, the 1948 Archibald Prize-winning portrait became a sensation and attracted visitors in their thousands. Ms Olley reacted to this early fame by escaping to Europe for four years. While there she worked and studied in London, before moving to Cassis in the South of France. Following studies at La Grande Chaumière...
In the 1960s, Ms Olley enjoyed a series of artistic successes, winning multiple regional awards in areas as far apart as Redclife in Queensland and Bendigo in Victoria. As prolific as she was popular, Olley's work can be found in the majority of public galleries in Australia. A 2009 retrospective staged at the UQ Art Museum – Life’s journey – set attendance records for the gallery. Focusing on pen and ink watercolours, it provided visitors a unique insight into the artist’s world from the early 1950s to the 1970s. The works were drawn from national, state and private collections (including the artist’s own), and featured scenes captured in places as diverse as Paris, Papua New Guinea and the old gold mining town of Hill End.

Ms Olley’s work looked to a modernist French tradition that generally pre-dated cubism. She particularly admired artists including Fantin-Latour, Bonnard, Vuillard and Gauguin.

Her many achievements included being awarded Australia’s highest civilian honour in 2006 – the Companion of the Order of Australia – for service as one of Australia’s most distinguished artists, for philanthropy to the arts, and for encouragement of emerging artists.

University of Queensland Vice-Chancellor Professor Paul Greenfield said there “will never be another Margaret Olley”.

“Although tiny in physical stature, she was a towering figure in Australian art, philanthropy, and cultural and public life,” Professor Greenfield said.

“The UQ Art Museum is one of the many institutions that she enriched with her generosity and her vision. Among other things, Margaret sponsored the inaugural UQ National Artists’ Self-Portrait Prize in 2007, and gifted the winning painting, by Ben Quilty, to the University.”

Ms Olley was an astute businesswoman, and as her wealth grew she became a generous donor to institutions including the Art Gallery of New South Wales. In 2009, she gave the gallery $1 million towards the purchase of Cézanne’s famous landscape Bords de la Marne.

“Giving is part of the receiving,” she once said. “It’s a natural turn of the wheel.”

Ms Olley lived permanently in Sydney from about 1980 and her iconic Paddington home was filled with colourful objects, furniture and art collected from her travels around the world. The jury is still out on how to best create a lasting memorial to Olley’s incredible life and work, although a photographic survey of her house was recently completed, with plans for an interactive website.

She may not have been the nation’s most critically acclaimed artist throughout her long career, but she was arguably the most loved.

“Visitors to our art museum adored Margaret and her art,” Professor Greenfield said.

“Generations of artists, arts administrators and art lovers were saddened by her death. However, we will never really lose her, because Margaret Olley lives on in the art, through the younger artists she mentored, and in her extraordinary portfolio of gifts to galleries and museums all over the country.”

Additional reporting courtesy The Australian
The University of Queensland has commenced construction on Australia’s most advanced oral health facility to be located at the Herston campus.

Lend Lease is managing the $120 million Oral Health Centre (OHC) project, which will incorporate dental clinics and research laboratories, state-of-the-art teaching and learning spaces and office space across seven levels.

The OHC will feature general and specialist dentistry clinics, advanced medical imaging facilities and operating theatres. It will also include a special needs unit operated by Queensland Health for dental treatment of medically compromised patients.

Head of the School of Dentistry, Professor Laurence Walsh, said UQ was delighted to have a highly experienced team of architects and contractors overseeing the project.

"Through their efforts we are now bringing to reality ideas which have been formulating for two decades. This world-class facility will allow the school to grow its teaching and research programs and clinical patient care activities over the coming years," Professor Walsh said.

Managing Director of Lend Lease’s project management and construction business in Australia, Murray Coleman, said the OHC would set a new benchmark for oral health facilities in Australia.

"We are excited to be involved in this project and look forward to working with The University of Queensland to improve its health care precinct and the oral health services available to the community," Mr Coleman said.

"This facility will set new standards in modern building design, creating a positive legacy for future generations."

The OHC will be located on Bramston Terrace at Herston, adjacent to the Mayne Medical School building, with completion scheduled for late 2012.

The University of Queensland has been ranked as one of the world’s top universities for the eighth year in a row in the respected QS World University Rankings, released in September.

With a world ranking of 48, the University has been ranked as the premier institution in Queensland and one of the top nationally.

UQ’s score in these rankings was driven by multiple criteria including academic reputation, employer reputation, citations per faculty and faculty/student ratio. UQ scored 94.4 for its academic reputation, giving it a world rank of 45, a further improvement from its 54th ranking in 2010.

The QS academic survey was based on survey responses of almost 34,000 academics in 2011.

Deputy Vice-Chancellor (Research) Professor Max Lu said the ranking recognised the University’s strong investment in research infrastructure and high quality researchers and endorsed strong government and philanthropic investment.

The latest rankings come on the heels of the prestigious Shanghai Jiao Tong Academic Ranking of World Universities released earlier in the year, in which UQ was listed as one of the world’s top 100 universities, with a world ranking of 86.

With UNESCO recognising 9760 universities in the world, and the International Handbook of Universities listing 14,000 higher education institutions in 183 countries, UQ is well and truly placed among the top one percent.
A powerful series of UQ art exhibitions provided a rare opportunity earlier this year to discover the human face behind the asylum seeker debate. Waiting for Asylum, Collaborative Witness, and John Young: Safety Zone were the result of a collaboration between the UQ Art Museum, the UQ Library and researchers in the School of English, Media Studies and Art History, and opened to coincide with Refugee Week in June.

The exhibitions were partly inspired by research Professor Gillian Whitlock is undertaking with asylum seeker archives held within UQ’s Fryer Library.

Did you scribble on a desk in the Physiology Lecture Theatres at the St Lucia campus some time in the past 48 years?

“Many of these photographs are anonymous and yet they provide extraordinary insights into the Nauru detention centre as they were photographed by the asylum seekers themselves,” co-curator Dr Prue Ahrens said. Collaborative Witness included works produced in the past decade by prominent artists including Rosemary Laing and Guan Wei.

John Young: Safety Zone paid tribute to a group of foreigners who saved the lives of 300,000 Chinese citizens by sheltering them in the city’s international zone during the “Rape of Nanjing” in 1937.

Using photographs sourced from Fryer, artists Ross Gibson and Carl Warner produced a specially commissioned work entitled “protection”, which comprises a grid of 60 enlarged colour photographs. Bands of blackboard paint were dragged across the images to represent the loss of identity experienced by asylum seekers.

“Many of these photographs are anonymous yet they provide extraordinary insights into the Nauru detention centre as they were photographed by the asylum seekers themselves,” co-curator Dr Prue Ahrens said. Collaborative Witness included works produced in the past decade by prominent artists including Rosemary Laing and Guan Wei.

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Inspirational alumni honoured

A pioneering engineer and a visionary philanthropist have been recognised with The University of Queensland’s highest honour. Wotif.com co-founder Graeme Wood and Chair of Powerlink Else Shepherd AM each received honorary doctorates during UQ’s mid-year graduations in July.

Dr Wood received his honorary doctorate at a Faculty of Business, Economics and Law ceremony, with Dr Shepherd presented with her award at a Faculty of Engineering, Architecture and Information Technology ceremony.

Dr Wood, who received a Doctor of Economics honoris causa, is one of Queensland’s most successful entrepreneurs and a national leader in philanthropy for education, arts, the environment and youth. His visionary philanthropy is having a major impact in higher education through his strategic resourcing of cutting edge research and his support for talented students. He is co-founder and Chair of The University of Queensland Endowment Fund (UQef), Director of The Graeme Wood Foundation and founder and Chief Executive of WildMob.

Dr Wood, a UQ Bachelor of Economics and Master of Information Systems graduate, also gifted $15 million in March last year towards a sustainable building to house UQ’s Global Change Institute, which is targeting solutions for problems linked to global scale change.

Dr Shepherd, who received a Doctor of Engineering honoris causa, was one of the first two women to graduate from electrical engineering at UQ in 1965, and at one time was one of only two female engineers working in Queensland.

After graduating, Dr Shepherd worked as an operation research engineer at the Sugar Research Institute in Mackay. She had recently married, and during this period it was unusual for married women to work in factories with men.

The Institution of Engineers, Australia, named Dr Shepherd the 2000 Queensland Professional Engineer of the Year, yet when she joined in the 1960s she could not attend their meetings, which were held at the local men’s club.

The institution moved venues and Dr Shepherd went on to become an influential member, paving the way for other women engineers in Australia.

In 1994, she was appointed to her current position as Chair of Powerlink, which maintains Queensland’s electricity transmission.

Dr Shepherd is also a trained musician with vast experience as a choral conductor and director of arts organisations. She received a Graduate Diploma in Music from the Queensland Conservatorium of Music in 1984, and in 2009 was named the UQ Alumnus of the Year.

Also receiving awards during the July graduation period were Dr Keith Greenland, who was recognised with a Doctor of Medicine in recognition of his contributions to the study of difficult airway management in Australia and internationally.

Professor Ross Thomas Barnard was also honoured with a Doctor of Science in recognition of his continued research and key role in passing on his knowledge through the UQ biotechnology program.

LEARNING FOR LIFE

Thousands of school teachers across the country have been empowered to lead curriculum change thanks to the expertise of a UQ team.

Earlier this year a UQ syndicate including the Centre for Innovation in Professional Learning (CiPL) and the School of Education won the tender for the Leading Curriculum Change project – an online community that will share best practice and involve 2000 participants.

Established in 2009, CiPL acts as a reference point for government and professional groups who wish to tap into UQ’s experience to develop a continuing professional development program – typically in the form of a short course. The centre also conducts important research into sector and workforce change.

CiPL Director Professor Robert Hendy said UQ was drawing on its expertise across schools, faculties and institutes to provide opportunities in areas as diverse as engineering, business and healthcare.

To better map these offerings, CiPL launched a new website during Teaching and Learning Week in October to bring together more than 300 separate courses offered by 20 UQ groups in the one place.

“More and more people will have two, three or four careers during their lifetimes, and so a formal, ongoing commitment to develop one’s ideas and skills is becomingly increasingly attractive,” Professor Hendy said.

“Continuing professional development is also a way of allowing people to stay in touch with further learning, and to provide pathways to a more substantial study commitment such as a masters program.”

One of CiPL’s strengths is adapting traditional face-to-face short courses and scaling them to be distributed to large numbers online – such as the Leading Curriculum Change project, which is funded by the Australian Institute for Teaching and School Leadership (AITSL).

Professor Hendy said ongoing research carried out by CiPL underpinned its operations and informed its strategies.

“Much of what we’re doing in the research domain is in fact changing the context within which individual sectors will operate,” he said.

“Therefore, we have a commitment to help those sectors evolve to acquire the skills and insights that they need.”

// www.uq.edu.au/cipl
Native Title discovery

A surprise discovery made by UQ researchers came full circle during NAIDOC Week celebrations in July.

Postgraduate students Kim de Rijke and Tony Jeffries presented findings of their native title research in Cherbourg to coincide with a new exhibition honouring the life of prominent anthropologist Caroline Tennant-Kelly.

A large collection of Ms Tennant-Kelly’s papers were hidden for 20 years before Mr de Rijke and Mr Jeffries discovered them in a cattleman’s shed in northern New South Wales in late 2009.

Since then, funding from the Social Inclusion Division of the Attorney General’s Department has allowed the team to analyse and index the collection – almost 2000 items in all – and compile the research on DVD to hand back to local communities.

Mr de Rijke said Ms Tennant-Kelly’s documents shed light on the social and cultural practices of the Indigenous people she lived and worked with, particularly in Cherbourg.

“The ethnographic record from those years is scant and very little first-hand information was available regarding the conditions of cultural life at Cherbourg during the 1930s,” he said.

“These materials demonstrate both the maintenance and adaptation of Aboriginal cultural practices in a situation where the odds were stacked against them.”

The research team categorised the large number of documents and created an index that allows a search through place names, personal names, Aboriginal language names and certain key topics in native title.

“The collection is valuable for historians and contemporary commentators, containing first-hand accounts of major issues in Australian history that continue to today, including Aboriginal living conditions, social issues associated with urban sprawl and the experiences of refugees and other immigrants in numerous places across Australia,” Mr de Rijke said.

Art connects to Country

UQ’s evolving collection of Indigenous art was on show to the public to coincide with NAIDOC Week 2011.

Painting Country explored an array of approaches and styles characteristic of Indigenous art and featured several new acquisitions donated to the University.

“Representation of Indigenous artists in the collection was boosted in 2010 by several gifts, including artworks donated by Christopher Thomas and Mark Alexander, and Patrick Corrigan AM,” UQ Art Museum Director Dr Campbell Gray said.

“The paintings reveal the artists’ enduring relationship with their homeland, and ongoing engagement with their culture and Country through art.”

Works by Donald Moko, Margaret Baragurra and Rusty Peters from Western Australia were shown alongside paintings by Desert artists Kathleen Petyarre, Lorna Napanangka and Elizabeth Marks Nakamarra. Queensland artist Dennis Nona from the Torres Strait was also represented.

“Regional differences are determined in part by the stories and iconographies specific to each place, passed down through generations,” associate curator Samantha Littley said.

“While these qualities may help distinguish the paintings of artists from particular regions, diversity exists within these conventions, with artists bringing their own experiences and individual aesthetic to their work.”

Ms Littley said several of the artists had moved away from their place of birth either by choice or as the result of intervention.

“In every instance, the artists included in Painting Country create work that connects to their Country, and keeps their culture strong.”
UQ clinics chart the future of healthcare

With services for the homeless and web-linked information kiosks for patients, UQ’s super clinics are already showing they are not a standard medical practice.

The University of Queensland launched two clinics at Ipswich and Annerley last year with $10 million in funding through the Federal Government’s GP Super Clinics initiative.

UQ Healthcare CEO Darryl Grundy said it was always UQ’s aim for the clinics to break new ground in general practice-based care.

“It was never about opening just another GP practice. It was an opportunity to help fill gaps in current services and well as champion new, patient-focused models of care,” Mr Grundy said.

“We encourage our clinicians to not just prescribe medication, but to prescribe information and our patient health info kiosks help facilitate this.

“The clinics also provide an opportunity to integrate this with UQ’s two core activities – health education and research.”

Because the clinics operate on a not-for-profit basis, patient numbers are not the driving force. This offers greater scope for a focus on integrated, multidisciplinary health care and education.

“We believe effective collaboration between health professionals offers the best care for patients. The aim is to provide integrated, seamless care, delivered locally for patients and to train GPs who can go out and use the method in their own practices,” he said.

Through his role as Chair of the Greater Brisbane South Medicare Local, Dr Kastrissios is keen to provide GPs with the opportunity to train at Annerley.

“Medicare Locals have a mission to support integrated care and UQ’s super clinics can help deliver this,” he said.

“They offer the opportunity on a greenfield site with enough resources and space to undertake innovation. At the same time, we are building capacity for GPs to take on more meaningful and rewarding work.”

Clinical Director of UQ Health Care Annerley Dr John Kastrissios

INTEGRATED CARE INNOVATION

UQ Health Care Annerley’s Clinical Director, Dr John Kastrissios, has the soul of a country GP, but is helping to deliver a new era of patient care in metropolitan Brisbane.

His experiences of rural general practice growing up in the Queensland town of Mundubbera made general practice his career choice after graduating from UQ’s medical program in 1983.

“I was encouraged by the possibility of being able to practice in a really holistic way,” Dr Kastrissios said.

“General practice is the most varied and broad field of medicine and the most directly connected to people and communities.”

Over the past 26 years, he has enjoyed forging that connection with patients of the Springwood Group General Practice.

“It is a pretty regular occurrence to receive cards, flowers and chocolates from our patients. We have a wonderful relationship with them, which is really uplifting for all the staff,” he said.

There is a clear connection with Dr Kastrissios’s role at UQ Health Care Annerley which opened early this year. He is preparing the practice to deliver integrated, multidisciplinary, patient-focused care. The super clinic will also be a training hub for GPs, other health professionals and UQ students.

This model of care is based on the belief that effective collaboration between health professionals offers the best care for patients.

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Because the clinics operate on a not-for-profit basis, patient numbers are not the driving force. This offers greater scope for a focus on integrated, multidisciplinary health care and education.

“We believe effective collaboration between health professionals offers the best care for patients and the unique UQ Super Clinic model provides an excellent opportunity for this,” Mr Grundy said.

At the patient-care level, the clinics focus on areas of specific local need, such as chronic disease.

“They support existing health services, which can find it difficult to provide the complex management needed by chronic disease patients, who need specialist and coordinated care by a range of health professionals,” he said.

In response, UQ Health Care Ipswich has arranged for patients with Type II diabetes, and at high risk of associated complications, to see a specialist sooner and have easier access to the other health professionals they need.

“The clinic saw the gap in services and now has an endocrinologist conducting sessions at the clinic to help meet this local need,” Mr Grundy said.

Working with the local medical community is central to UQ’s super clinic operations.

UQ Health Care Annerley is working to help local homeless people reengage with the community. By working with community service provider Oz Care to coordinate a range of services, planning is now underway for an integrated health centre, including dentists and allied health professionals.

Researchers are also putting the clinics’ new models of care under the microscope and developing future best practice.

// www.uqhealthcare.org.au
The University of Queensland’s new 1.22 megawatt solar power system is “one of the most globally significant pieces of solar research infrastructure anywhere in the world”, according to lead researcher Professor Paul Meredith.

On completion in June, the project became Australia’s largest flat panel photovoltaic solar power system.

“This is only one project in a large portfolio of solar research that UQ currently has,” says Professor Meredith, from UQ’s School of Mathematics and Physics.

“We have very important work in developing the next generation of solar photovoltaic cells and we recently announced we will lead the research program on the solar thermal power plant to be built by the Solar Dawn consortium at Chinchilla in western Queensland.

“This project, and all our others, place UQ as one of the premier solar research institutes in the region if not globally.”

The new solar power system, comprising more than 5000 panels across the rooftops of four large buildings at St Lucia, performs a dual role of generating “green” electricity for the University while providing a world-leading piece of research infrastructure.

“The project is enhanced by its strong industry partnerships, including research agreements with a number of world-leading companies in renewable power.”

This asset will be shared with the community, by giving industry, researchers, school students, teachers and any other interested people access to a website showing live and historical data about the power generated from the UQ array.

UQ’s partners in the solar energy research space are:

• Brisbane firm Ingeniero, which installed the array, and worked on its design and engineering
• Trina Solar, which supplied the panels and will be part of several research projects, one involving the first large-scale field test of a prototype device that increases the efficiency of solar panels
• ASX-listed, Brisbane-based RedFlow, which supplied an industrial-scale bromine battery bank that is connected to a 339kW section of solar panels on one of UQ’s multi-storey carparks
• Electricity wholesaler and retailer Energex, which donated state-of-the-art equipment to allow monitoring and analysis of the power feed from the UQ solar array
• The Queensland Government’s Office of Clean Energy, which provided $1.5 million towards the overall cost of the UQ Solar Array

Vice-Chancellor Professor Paul Greenfield said the UQ Solar Array provided between five and six percent of peak electricity demand at the St Lucia campus. From July to October, the system had already cut $100,000 from the University’s electricity bills.

“The University is focused on reducing carbon emissions and increasing its use of renewable energy,” Professor Greenfield said.

As well as being part of the University’s functional energy infrastructure, the solar array will underpin research in diverse fields including physics, engineering, economics and sustainability.

UQ’s ambitious solar project has involved a large team of collaborators and supporters including (from left) PhD student Paul Schwenn, Professor Paul Meredith, 2007 Australian of the Year Professor Tim Flannery and Rodger Whitby from Ingeniero.
In addition to the rooftop panels, UQ has installed a ground-mounted, seven-metre-by-six metre 8.4 kilowatt concentrating photovoltaic array (CPV) that tracks the sun each day as it moves across the sky.

Ingenero donated the CPV array to allow UQ researchers to undertake detailed comparisons with a different type of solar technology. Designing and installing Australia’s biggest rooftop PV solar power system drew on the combined resources and significant expertise of UQ academics, working with industry leaders. UQ’s Property & Facilities division and the School of Mathematics and Physics worked closely with engineering consultants Aurecon, Ingenero and leading photovoltaic company Trina Solar from China.

UQ’s Global Change Institute has recently opened the Solar Research Resource Centre at St Lucia, providing a facility industry, school and community groups can visit to learn about the UQ Solar Array and renewable power.

The UQ Solar Array is almost 25 percent larger than any other flat panel PV system in Australia.

UQ Property & Facilities Deputy Director Geoff Dennis said the total $7.75 million cost included the array, construction of the visitor resource centre, the data management web interface and ancillary research programs.

The cost of the photovoltaic design and installation was $4.825 million, equating to a competitive $3.95 per watt.

Mr Dennis said UQ was boosting its solar energy production at other sites including Heron Island, Gatton and Stradbroke Island.

Construction on the St Lucia array was completed in June, after setbacks due to the January floods, and Queensland Energy Minister Stephen Robertson officially launched the project in July.

// www.uq.edu.au/solarenergy
It was 5am in late December 2004.

Travelling home from the Sunshine Coast, UQ alumnus Dr Peter Sharwood had just heard news that the devastating earthquake and tsunami in Indonesia were even more serious than initially expected.

In less than two hours, he had assembled a surgical team from across the country ready to tackle the chaos that awaited them in the crisis zone of Banda Aceh.

This no-nonsense approach exemplifies the orthopaedic surgeon’s philosophy to “get involved” and “get on with it”, and the many contributions he’s made to those in need around the world since graduating.

Dr Sharwood is a Colonel in the Australian Army, and at the time of the Boxing Day Tsunami was Director of Health Services Reserve Agency Queensland.

“The situation in Banda Aceh was total chaos – the medical system had collapsed and we had no surgical instruments – it was like a war zone,” Dr Sharwood said.

“We had to beg, borrow and steal to get what we needed – we improvised!”

Working in a conflict zone was not a new experience for Dr Sharwood, who has served continuously in the army since 1965 with postings to Rwanda, East Timor, the Solomon Islands, Iraq and Afghanistan.

He has operated in radically contrasting conditions: from a well-resourced, 20-surgeon team at the American Air Force hospital in Iraq, to being the sole surgeon in Bougainville, Papua New Guinea.

“There was one surgeon and one anaesthetist – so you had to deal with everything that came in the door,” he said.

This included a patient who had been in obstructed labour and would have died without an emergency caesarean section – the first Dr Sharwood had overseen in 25 years.

That experience was very different to Iraq.

“It was horrendous – the injuries were appalling, shocking,” he said.

“However, to work in a hospital with seven general surgeons; five orthopaedic surgeons; two neurosurgeons; a maxillofacial expert; ear nose and throat surgeon; ophthalmologist and a urologist was a great privilege and an exhilarating experience.

“You never knew what you’d be doing next – I once operated for 27 hours – you just did it.

“All this under the constant threat of mortar and rocket attacks that occurred almost daily. You often wore ‘battle rattle’ (personal protective equipment with helmet) over your clothes.”

Having seen such trauma, Dr Sharwood said the camaraderie of working with a great team, not to mention “a good sense of humour”, helped.

His interest in studying medicine was never in question.

The fourth son of the Warden of St John’s College, Dr Sharwood lived at the University from the age of nine.

“Mum wanted me to teach – I wasn’t interested as I’d been around teachers all my life, and medicine was a natural choice,” he said.

At University, he enlisted in the Queensland University Regiment because “it paid well”, and by age 19 was a Commissioned Officer in the infantry.

Dr Sharwood’s approach to life and his career is illustrated with examples of getting involved and giving back to his community.

He has been recognised for his community service with an Order of Australia Medal, a Humanitarian Overseas medal and multiple active services honours.

He attributes his achievements to his wife, Monica, and to their family (the couple have four daughters).

Dr Sharwood donates to a number of causes and has for many years been a donor and treasurer for the restoration fund at Holy Trinity Fortitude Valley, his parish church.

He has also given to UQ’s annual Chancellor’s Fund and to St John’s College for many years, including assisting the college’s restoration after a fire in 2005.

“I genuinely believe that giving is necessary. You get more back from doing it and people are very appreciative,” Dr Sharwood said.

“I’m happy to support the University’s broadest fund as they are in the best position to know how my donations should be spent.”

– MELISSA JEFFREYS

Distinguished surgeon Dr Peter Sharwood, and below, pictured during a deployment with the Australian Army in Iraq.
HEALTHCARE TRAILBLAZER LEAVES POWERFUL LEGACY

Physiotherapy and medical students at The University of Queensland will benefit thanks to the foresight and compassion of the late Mrs Ailsa Stubbs-Brown (nee Munro), one of UQ’s first physiotherapy graduates.

Mrs Stubbs-Brown’s generous $1.3 million bequest will establish two perpetual endowed funds to support the Ailsa Munro Physiotherapy Student Scholarship and, in memory of her late husband and respected orthopaedic surgeon, the T.V Stubbins-Brown Medical Student Scholarship.

Part of the first group to graduate from UQ’s newly established physiotherapy course in 1941, Mrs Stubbs-Brown made an impact in the field, running her own private practice from 1955 to 1973. She worked at hospitals in Queensland and the UK, including the Nambour General Hospital, where she was employed as its first full-time physiotherapist and was instrumental in developing its physiotherapy department.

A trailblazer in the field, Mrs Stubbs-Brown was elected as President of the Australian Physiotherapy Association Queensland branch in 1973 – the first physiotherapist to fill a post traditionally held by a medical practitioner.

Mrs Stubbs-Brown remained closely connected to the University, working as a lecturer, demonstrator and clinical supervisor for nearly 30 years. Up until her passing in January last year, Mrs Stubbs-Brown continued to take an active interest in physiotherapy research undertaken at the University, donating more than $100,000 to various projects in the past decade.

Mrs Stubbs-Brown’s generous bequest for physiotherapy scholarships is the first of its kind in the School of Health and Rehabilitation Services, and shows her determination to continue making a positive influence on the field and a real difference to its students and the wider community.

1910 SOCIETY

The 1910 Society recognises the donors who have given significant philanthropic support to The University of Queensland of $100,000 or more cumulatively over their lifetimes. Donor support at this level shows a high level of confidence in the University. New donors at this level in 2011 are denoted with a hash (#). UQ staff members are denoted with an asterisk (*).

CHANCELLOR’S SOCIETY 2011

Chancellor’s Society donors demonstrate leadership and commitment to the University through annual gifts of $1,000 or greater. UQ staff members are denoted with an asterisk (*).

CHANCELLOR’S BENEFACTORS:

DONORS $10,000-$99,999


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CHANCELLOR’S SUPPOERTERS:

DONORS $1,000-$4,999


1DONORS $5,000-$9,999

John Baker, Thomas Bradley, John Brannock, Margaret Brannock, Glenn Brumby, Beverley Coulter, Swayne C Foo, Cyril Goldberg, Jane Great, Kin-Man Ho, Paula Kinann, John Lambert, Ursula Lambert, Irene Lee, Ah L Liew, Andrew Livers, Paula Livers, Joan Mackisack, Norman Mayne, Linda Osborne*, Tjuyt Pham, Margaret Rayer, Ann L Schinkel, Paul Taylor, William Vinel, Noel Williams, four anonymous donors and two staff members.

CHANCELLOR’S SUPPORTERS:

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Thank you

The University of Queensland acknowledges the support of its donors who have generously given from 1 January 2011 to 30 June 2011. The latest list of 2011 donors is also available online www.alumni.uq.edu.au/giving

DONORS: <$1,000

The University thanks all its generous donors and 42 staff members for their continued support in 2011.


Jacquylin Fairweather, Jennifer Falknau*, Michael Fallon, Jeanette Fang, Ross S Fardon, Valmae Fanger, G Farrell, Geoffrey Farrel, Margaret Farrel, Peter Farrel, John Farly, F Faruk, Maury Faulkner, Maurea Faulkner, Eugene Fearon, Karen Fearon, Kathleen Felton, Linda Felton, Edward Fennel, Lynn Fenwick, Simon Fenwick, Jeaniece Ferguson, Nancy Fernier, Eritta Ferco, Graham Ferris, Robert Ferris, A E Finch, Trevor Findlay*, Aileen Find J Findlay, John Findlay, Margaret Findlay, Nicole Findlay, James Finucane, Pat Fiore, Margaret Finuc-Abodi, Andrew Fitchett, Robert Flichew, Anna Fitzgerald, Garrett Fitzgerald, Lorraine Fitzgerald, Barbara Fitzgerald, Brian Fitzpatrick, George Fitz-Walter, Keni Randers, Edna Reedence, Emily Resserscherrer, Patricia Fleming, Rawen Fleming, Heather Fletcher*, Helen Fleming, Lorraine Filicott, Mark Florence, Timothy Florley, Lesley M Flynn, Roslyn Flynn, Leslie Foster, C Fogarty, D Foley, Ralph Fonth, Timothy Fong, David S Foo, Jing-Yong Foc, Brian Fooze, Suzanne S H Foote, Betty Foran, Shaunagh Forte, George Ford, Jan Ford, Lynette Ford, Alan C Foreman, Roxenne Foreman, Jeffrey Forgarn-Smith, Rob Fortine, Daphine Fortescue, Robert Fortier, Emilie Fortrell, Michele F Foster*, Alana F Fowler, Diane Fowler, N Fox, Shirley Fox, Harold Fordon, Meredith Foxton, Ross Foxon, Ross Fox, Eric Francis, Helen Francis, Bruce R Frank, Casey Fraser, Dorothy Fraser, Lisa Fraser, Simon Fraser, Stewart G Fraser, Maureen Frederetck, Mayumi Free, Tracey Frey, Adekurni O Freeman, Adele Freeman, Helen French, Nely Frey, Roslyn Freyberg, Nila Friend, Bronwyn A Fryer, Cheryl Fryer, Kevin Fryer, Maureen Fryer, John Fuhrast*, Janice Fullerton AO, R Fulton, L Fulwood, Midori Funaki, Jennifer Furness


Such high standards inspired me to support the institution that changed my life, Mr Grummit said. Mr Grummitt's recent donations have gone toward the Advanced Engineering Building (pictured), a new facility at the St Lucia campus that will transform engineering education when it opens in 2013.
APPEAL MAKES A DIFFERENCE

The lives of UQ students affected by the Queensland floods in January are being rebuit thanks to the overwhelming generosity of alumni and friends who donated to the Vice-Chancellor’s Emergency Student Welfare Fund. More than 900 donors contributed more than $330,000 to the fund. Their donations have made an extraordinary difference to 400 recipients, including international students like Ronald Musenze from Uganda, whose home was inundated by floodwaters.

“The support has gone on a long way in helping me recover from the devastations of the disaster. I want to extend my sincere thanks to everyone who made it possible,” Mr Musenze said.

“The UQ community has shown a generous and united spirit that hasn’t experienced anywhere in the world.”

The Vice-Chancellor’s Emergency Welfare Fund has been set up permanently to help students affected by future disasters.

// To learn more about the fund, or to donate, visit www.alumni.uq.edu.au/giving

DONOR STORIES


What inspires you at UQ? Is it innovations or achievements that my gift will support...
University of Queensland researchers have been able to produce batches of a potential therapeutic for Hendra virus thanks in part to donations made to the Alister Rodgers Memorial Fund.

UQ’s Australian Institute for Bioengineering and Nanotechnology (AIBN) received $40,000 earlier this year to produce batches of monoclonal antibody to help determine its efficacy.

Alister Rodgers died of Hendra virus in 2009 after his work as a vet in Rockhampton brought him in contact with an infected horse. He was the first person to receive the antibody treatment in a desperate bid to save his life.

The fund was established through the School of Veterinary Science by Dr Rodgers’ family to honor his memory and raise money for research into the virus.

AIBN Director Professor Peter Gray said the financial support would greatly enhance understanding of the therapeutic potential and development of the antibody.

"It was an honour for the AIBN to be given the chance to conduct research in the field using money from the memorial fund," Professor Gray said.

"Donations are being used at the front line of disease research.”

// To make a donation to the Alister Rodgers Memorial Fund, visit www.uq.edu.au/giving or phone +61 7 3346 3900
Founder and Executive Director of the Hear and Say program, Dr Dimity Dornan AM, has been named the 2011 UQ Alumnus of the Year.

The 2010 Queenslander of the Year was honoured at the annual Courting the Greats gala dinner on September 24 at the UQ Centre, alongside the winners of the International Alumnus of the Year and the Young Alumnus of the Year awards.

Courting the Greats celebrates the achievements of UQ’s alumni community and pays tribute to those who have achieved distinction in their fields and recognition among their peers.

This year’s event also recognised five Graduates of the Year from the class of 2011 – each of whom received perfect grades throughout their degrees.

“The diversity of this year’s applicants was testament to the success of our graduates both here and overseas in a wide range of disciplines,” UQ Pro-Vice-Chancellor (Advancement) Clare Pullar said.

Guests were entertained by ballroom dancers, the Emmanuel College Pipe Band, the School of Music’s Tropical Dance Orchestra, and also took part in a private viewing at the UQ Art Museum.

Dr Dornan, a speech pathologist, founded Hear and Say in 1992.

The not-for-profit organisation assists children with hearing impairments so they can learn to listen and speak through advanced hearing technology. She is also the Founder of Hear and Say Research Innovation and Hear and Say Worldwide.

Dr Yuichi Murakami and Edwin Khew were named the joint winners of the International Alumnus of the Year award.

The co-founder, CEO, and Managing Director of IUT Global Pte Ltd, Mr Khew is recognised as a leader in advancing clean energy and renewable energy sources in South East Asia.

Dr Murakami is a distinguished academic from Fukushima University who has dedicated his research career to understanding cultural differences between Australia and Japan. He and his students also generously raised funds for the Vice-Chancellor’s Emergency Student Welfare Fund following the January floods.

Also recognised at the event was Young Alumnus of the Year Dr Kala Mulqueeny, who has made a global impact as a lawyer, academic and teacher. President of the Alumni Friends of the University of Queensland Inc. Patricia Jones, 2011 Alumnus of the Year Dr Dimity Dornan and Chancellor Mr John Story at the awards.

ALUMNI EVENTS DIARY

Please join us for one or more of our 2012 alumni events

<table>
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<th>EVENT</th>
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<td>BEL Alumni Lunch Lecture with Julieanne Aioe, CEO and MD Brisbane Airport Corporation</td>
<td>15 February, The Long Room, Customs House</td>
<td>Kathrin Hofmann (07 3365 1546, <a href="mailto:alumni.bel@uq.edu.au">alumni.bel@uq.edu.au</a>)</td>
</tr>
<tr>
<td>Men and Masters book launch</td>
<td>24 March, King’s College, Upland Road, St Lucia</td>
<td>Tom Cranitch (07 3871 9600)</td>
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<tr>
<td>BEL Alumni Lunch Lecture with Don Meij, CEO and MD Domino’s Pizza</td>
<td>18 April, Brisbane CBD</td>
<td>Kathrin Hofmann (07 3365 1546, <a href="mailto:alumni.bel@uq.edu.au">alumni.bel@uq.edu.au</a>)</td>
</tr>
<tr>
<td>King’s College Jazz on the River</td>
<td>26 May, King’s College, Upland Road, St Lucia</td>
<td>Tom Cranitch (07 3871 9600)</td>
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<td>The Women’s College Alumnae Reunion Weekend</td>
<td>14–15 July, The Women’s College</td>
<td>The Women’s College (07 3377 4500, <a href="mailto:administration@womens.uq.edu">administration@womens.uq.edu</a>)</td>
</tr>
<tr>
<td>Francis &amp; Kassulke Cup (annual inter-college rugby match)</td>
<td>8 September, Main Oval (Field 5), University of Queensland</td>
<td>Tom Cranitch (07 3871 9600)</td>
</tr>
<tr>
<td>The Women’s College Professional Women’s Networking Dinner</td>
<td>13 September, The Women’s College</td>
<td>The Women’s College (07 3377 4500, <a href="mailto:administration@womens.uq.edu">administration@womens.uq.edu</a>)</td>
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The University of Queensland has launched a unique training program for research higher degree students to enhance their skills, connections and employability.

Developed in response to the changing needs of the research workforce and launched in September, the UQ Career Advantage program has been designed to accelerate career development and encourage cross-disciplinary dialogue.

Dean of the UQ Graduate School Professor Zlatko Skrbis said the exercise was driven by a need to reflect the many pathways students follow after completing their PhDs.

“We have been noticing an increasing number of our graduates choosing careers in industry, government or research and development roles instead of traditional roles within academia,” Professor Skrbis said.

“This new model not only enhances our students’ contribution to the University’s research outcomes, but will also exploit UQ’s reputation and strengths.”

The new model aligns itself with the goals of the Australian Government’s Research Workforce Strategy for 2020 and Beyond.

PhD candidates commencing in 2012 will be able to select from three training modules: higher education leadership, global collaboration, and research translation and commercialisation.

The associated activities are designed to cater to students from all disciplines and will stimulate greater interaction between early career researchers, improve career development, and produce more globally aware and mobile graduates.

UQ will work closely with industry to develop the training modules and ensure the program provides graduates with a competitive edge.

Sherri Hsu, a PhD candidate from the School of Chemical Engineering, whose research is industry-focused, said the new program would have a significant impact in equipping students with additional skills.

“I definitely see that students who take part in the UQ Career Advantage program will have the opportunity to add value to their degree,” Ms Hsu said.

“After graduating, I think that it will be these additional skills that will make candidates more desirable when they step out into the employment market.”

// www.uq.edu.au/grad-school

The popular UQ Alumni Book Fair has raised almost $100,000 including $15,000 from the signature rare book auction.

Approximately 150,000 books, magazines, CDs and sheets of music were available at the April event, which was held at the UQ Centre.

President of the Alumni Friends of the University of Queensland Inc. Patricia Jones said more than 40 volunteers pitched in to ensure the fair was a huge success.

“Our first day we had three cash registers and three EFTPOS machines running all day,” Ms Jones said.

Held every two years, the event aims to raise funds for student scholarships, University projects, and to bring alumni and members of the general public to the St Lucia campus.

The fair offers everything from art to zoology titles, with volunteers collecting and sorting titles for months in advance.

Bringing in the highest bid at the rare book auction this year was an atlas of engravings, which fetched an impressive $3000.

Ms Jones said donations were already being accepted for the 2013 fair, with spare titles welcome at the Alumni Friends office at 50 Walcott Street, St Lucia campus.

// www.uq.edu.au/alumni

The Women’s College

WITHIN THE UNIVERSITY OF QUEENSLAND

College Road, St. Lucia QLD 4067  p: (07) 3377 4500 e: administration@womens.uq.edu.au

2012 Date Claimers

Chislehurst Society Garden Party

Saturday 17 March

Standing Committee Luncheon

Thursday 28 June

Alumnae Reunion Weekend

Saturday - Sunday 14 - 15 July

Professional Women’s Dinner

Thursday 13 September

Women’s Appreciation Dinner

Saturday 17 November

UQ - CONTACT // SUMMER 2011  33
ST LEO’S NEW LOOK

The Director of Brisbane’s Gallery of Modern Art was on hand to officiate an opening of a different kind at St Leo’s College in June.

Tony Ellwood joined Vice-Chancellor Professor Paul Greenfield and college council Chair Joan Sheldon to reveal a new public artwork entitled Correlate.

Artist Lincoln Austin won the commission to create a work celebrating the college’s 94-year relationship with the University and UQ’s recent Centenary. Crafted from glass, metal and mirrors, Correlate replaces the entrance doors and panels and produces different optical effects depending on the time of day.

Mr Austin said his work engaged metaphorically with the student journey each college resident takes.

“St Leo’s exists primarily to provide residence and support for young men often leaving the family home for the first time to pursue their studies in a myriad of subjects,” Mr Austin said.

“Correlate is something to be passed through and is a daily reminder to the students especially that they are leaving the University and arriving home.”

Rector of St Leo’s College Brother Vince Skelly said a growing number of artworks within the college grounds and buildings helped enrich the creativity and imagination of residents and visitors.

“Correlate embraces the visitor. As a person walks into the college foyer, it takes the colours, shapes and movements and reflects these and other realities; it really is quite exciting,” Br Skelly said.

Professor Greenfield said he welcomed the project received financial assistance from the Queensland Government Public Art fund.

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Musical pioneers honoured

Renowned concert pianists Max Olding and Pamela Page shared the concert stage in Brisbane earlier this year for a performance of a different kind.

On May 29, the long-serving UQ staff members were not seated at the piano, but standing before Chancellor Mr John Story at the Queensland Performing Arts Centre to receive the University’s highest honour.

The pair’s contributions to music and music education in Australia were recognised with the degree of Doctor of Music honoris causa. It was a special occasion for the couple, who first met on stage in London 56 years previously when they tied for first place in the inaugural Royal Trust Fund Competition.

Both were studying in London at the time of their first encounter. Mr Olding had graduated from the University of Melbourne and won the ABC Young Performers Competition in 1952. Ms Page had given her first ABC broadcast at the age of four and completed concurrent AMusA and LMusA awards by 15 before moving to London to study at Trinity College. There she won the Maude Seton Prize as the most outstanding student.

Mr Olding says he was smitten at first sight, and the couple’s lifelong personal and professional partnership has contributed enormously to the musical life of Australia.

Ms Page joined UQ in 1968 to teach into the new Bachelor of Music degree, serving as a full-time staff member until 1996 before returning in a part-time capacity. Mr Olding joined the Queensland Conservatorium of Music and started teaching at UQ on his retirement. Though 82, he is still a familiar face in the corridors and piano studios on campus.

Head of the School of Music Professor Margaret Barrett said she was delighted to see the pair recognised for their enduring contributions to music.

“Max Olding and Pamela Page have given so much to music in Australia over many years – as teachers, performers and recording artists; through their service to the AMEB, and as adjudicators at so many competitions. It was very fitting that their contributions be recognised by the University in this way,” Professor Barrett said.

Mr Olding said the ceremony was an occasion of great personal significance.

“These awards mark the point at which the wheel has turned full circle. They are in a sense the culmination of the duality that has been the basis of a wonderful partnership, in both our personal and professional lives,” he said.

However, their journey is not over. A proud moment for the couple occurred last year when their talented UQ music student Oliver She won the prestigious ABC Symphony Australia Young Performer of the Year Award – the same prize Mr Olding had himself secured in 1952.

Mr Olding says his award-winning pupil is an extraordinarily talented and highly motivated performer who is unflappable under pressure – the attributes of someone who will make his mark in the music profession.

Following the acceptance of their honorary doctorates on stage, Mr She was on hand to demonstrate the results of the pair’s fine teaching, performing Beethoven’s Emperor Piano Concerto. The young musician joined with the UQ Symphony Orchestra, conducted by Warwick Potter, in a stirring showcase of pianism that was warmly received.

Throughout their long careers, the couple have performed in venues ranging from the Sydney Opera House to air force hangars. Their passion to communicate the joy of music and respect for each other’s musicianship have been defining aspects of their lives. Their involvement in music remains undiminished and their motto remains: “While we can, we shall.”

An occasion to remember: Max Olding and Pamela Page receive their honorary doctorates from Academic Registrar Linda Bird and UQ Chancellor Mr John Story, and above, Oliver She performs Beethoven’s Emperor Concerto.
DEFYING GRAVITY

CAROLYN RICHARDSON
Bachelor of Physiotherapy
PhD

While Professor Carolyn Richardson is used to having her feet firmly on the ground, most of her work has revolved around people who spend months at a time in zero gravity.

Professor Richardson is a pioneer in anti-gravity training and began her career as one of six students studying physiotherapy at UQ in the late 1960s.

Her knowledge of anti-gravity training was consolidated 20 years later, when she obtained her PhD at UQ under Professor Margaret Bullock, becoming the second person in Queensland to achieve this level of qualification in physiotherapy.

Since this achievement, she has worked as a consultant for the European Space Agency (ESA) on exercise countermeasures for the International Space Station, conducted specialised anti-gravity research in Berlin, and has spoken at conferences for NASA and ESA scientists and astronauts from around the world.

Her involvement with ESA marked the first time Australia had partnered with the agency, and Professor Richardson said it was a step forward in recognising the significance of physiotherapy in space training.

“Astronauts need specific exercises because when they go into zero gravity they lose bone density and the anti-gravity muscles stop working,” she said.

“This means when they come back to earth they usually get back pain and other serious injuries because their bones and joints haven’t experienced the compression you get from living in a gravity zone,”

Along with other UQ physiotherapists, Professor Richardson developed exercises for the ESA astronauts to help with their transition from zero gravity back to life on Earth.

“We created walking programs, used special belts for core strengthening and also worked on the muscles in the back and other injury prone areas in the body,” she said.

Recently, Professor Richardson supervised a UQ PhD project on microgravity and the human musculo-skeletal system. The graduate is now working as a project coordinator at ESA.

Professor Richardson is currently running her own educational business on the Sunshine Coast, which focuses on gravity fitness.

“I started GravityFit with the aim to work with the fitness industry on anti-gravity training for sport performance and injury prevention,” she said.

SUSTAINABILITY FOCUS

LORRAINE STEPHenson
Bachelor of Science
Master of Business Administration

Dr Lorraine Stephenson is combining her science and business skills to benefit the environment in her new role as Chief Clean Energy Advisor to the Queensland Government.

With experience in senior management roles at Caltex and Origin Energy, regular attendance at the annual United Nations climate change meetings since 2000, and participating in the 2020 Summit in Canberra, Dr Stephenson knows a thing or two about sustainability.

A love of chemistry and research initially led Dr Stephenson to complete a science degree at UQ, which was followed by a PhD at Macquarie University.

However, after working in business for a few years, Dr Stephenson was looking to gain specific education in areas such as economics, accounting and marketing, so she decided to enrol in an MBA at UQ.

“My studies have given me the skills in science, research and business that are ideal for sustainability and climate change work,” she said.

“It is one of the great global challenges to provide safe, reliable and affordable energy to a growing population. Queensland is extremely well placed with a wide range of energy resources, including renewable options.”

Dr Stephenson has recently returned to UQ, not as a student, but as a contributor to the development of a new Master of Energy Studies (MES) being offered in 2012.

“The MES will be a multi-disciplinary degree to equip students for the transition to a low-carbon future,” she said.

“This is very important as the decision-making is quite complex and crosses over disciplines when you have to consider energy issues overlaid with climate change factors such as an increasing carbon price.”

With the support of corporate funding, the program will be administered by the International Energy Centre, which is being formed by UQ, the University of Western Australia and the University of Newcastle.

“Students will work as a cohort through coursework and practical activities to better appreciate the range of technologies available, and the challenge and opportunities to provide energy to match demand in the coming decades,” Dr Stephenson said.

And if her roles at the Queensland Government and UQ aren’t enough to keep her busy, Dr Stephenson has recently opened her own business that provides energy and climate change strategic advice to the corporate sector and governments.

“Lightning Consulting Services helps companies interpret the new Australian legislation and the international regulations, identify opportunities and mitigate risks in the transition to a more sustainable future,” she said.
An eight-month contract as a volunteer teacher in a refugee camp on the Thai–Burma border has ignited a passion in Dr Shirley Worland to make education more accessible for marginalised people.

Dr Worland lived in Mae La Refugee Camp, Thailand as part of her PhD study into the national identity of the displaced ethnic minority, the Christian Karen.

During this period, she formed a close connection with the Karen people after spending time in their communities, and with those who have resettled under the UNHCR scheme to Australia.

In 2009, Dr Worland partnered with local Karen leaders to establish Thoo Mweh Khee Senior College (TMKSC) in Phopra, Thailand, which is providing a senior level of education for young adult refugees on the Thai-Burma border.

“We provide a two or three year program in English to the students who are from families that have fled the persecution in Burma’s troubled ethnic regions,” she said.

“Some of the refugee students, who are aged in their teens or early 20s, are not registered as residents in Thailand and therefore are not able to attend Thai schools for Years 11 and 12.”

The aim of the college is to provide a level of education that will enable students to secure gainful employment along the border or attend one of the international universities in Thailand by passing the International General English Diploma exam.

“TMKSC is located right on the border near where the renewed fighting has been taking place since the November 7th Burma election. Many of our students’ families are located in the villages in these areas,” Dr Worland said.

“Recently, the fighting has been very fierce just across the border from us and mortar fire and the sound of landmine explosions can be heard regularly.

“So many refugees have poured across the border and come to our school seeking refuge from the fighting and we are all trying to help as best we can.”

ANIMAL ATTRACTION

RUTH PYE
Bachelor of Veterinary Science

Ladakh is the northernmost region of the Republic of India and is where UQ graduate Ruth Pye has been working for the past three years.

The veterinarian is the manager of the Ladakh program with Vets Beyond Borders (VBB), an Australian-based not-for-profit organisation that runs animal welfare and public health programs in developing communities in the Asia-Pacific region.

“This is a seasonal program running for the summer months from June to September to surgically sterilise and vaccinate the street dogs against rabies to improve the health and welfare of the dogs and the local community.” Ms Pye said.

She said the incredible landscapes and the kindness of the local people were among the most enjoyable aspects of her job.

“The best part is the opportunity to carry out some meaningful work in the amazing environment of Ladakh – a high-altitude desert sandwiched between the Himalayan and Karakorum mountain ranges,” she said.

“It is a privilege to work within the Ladakhi culture. The Ladakhis are predominantly Tibetan Buddhists and their pervading sense of compassion and kindness towards all living beings is an inspiration to all.”

Ms Pye said while her work had been rewarding, there had been challenges along the way.

Perhaps the most difficult aspect of managing a VBB program is dealing with the notorious Indian bureaucracy. As with travelling in India, the best ways to deal with administrative headaches are with patience and a sense of humour (often easier said than done),“ she said.

Operating in such a harsh physical environment – with hot summers and extreme winters – does not dampen the spirits of those there to help however.

“Working with the local staff and volunteer vets from around the world to treat many beautiful and friendly street dogs to improve their health and welfare and that of the local community is extremely rewarding,” Ms Pye said.

Not forgetting her university roots, Ms Pye has been involved with the work of UQ veterinary parasitologist Dr Rebecca Traub.

“Dr Traub has conducted research on parasites of dogs in India by collecting samples from the dogs in various regions including Ladakh,” Ms Pye said.

There is also a VBB student chapter at UQ and Ms Pye has given talks to final-year students about working in India.
NURSING A GOOD CAUSE
ANDREW CAMERON
Master of Tropical Health

There’s never a dull moment for Andrew Cameron.

The award-winning nurse is currently in a remote village in South Ossetia (former USSR) distributing seed potatoes to those cut off by the 2008 South Ossetia War.

But it’s not unusual for Mr Cameron to go above and beyond the call of duty, which hasn’t gone unnoticed. He is a recipient of the Gary Quayle Memorial Prize for Excellence in Research and most recently, was awarded the Florence Nightingale Medal – the highest international distinction in nursing.

It was Mr Cameron’s drive that led him to become a nurse in remote areas of Australia, which, although at times challenging, was ultimately rewarding.

“I was the Director of Nursing at Mornington Island Hospital for seven years, which was an exceedingly difficult job, but I stuck with it and managed well,” Mr Cameron said.

He then became a registered midwife, working in a labour ward for two years.

Mr Cameron said both the best and worst part of his job was that there was always a new challenge awaiting him.

His determined attitude has led him to undertake further study in the dramatic field.

“My latest production, Fractions, about an ancient Egyptian female mathematician, received the 2010 Queensland Premier’s Drama Award and will be performed by QTC in November and December.

“To have one of my plays performed by the flagship theatre company in my home city is wonderful,” he said.

Mr Dorney said both the best and worst part of his job was that there was always a new challenge awaiting him.

His determined attitude has led him to undertake further study in the dramatic field.

“I’m currently completing a masters by research in directing at the Victorian College of the Arts,” he said.

The playwright has fond memories of his time at UQ, and said that it was there he learnt some of his most valuable skills.

“no one is coming to save you, you’ve got to do it yourself. Partly that was because funding to my discipline was being viciously cut at the time, and partly because the performing arts were fairly marginal in the wider university culture,” Mr Dorney said.

“The other thing that has stayed with me from UQ is always to tell the truth, whether or not everyone wants to hear it.”

Mr Dorney has also recently reconnected with his honours supervisor – former Dean of the Faculty of Arts, Professor Richard Fotheringham – who has recently become Chair of QTC.

The premiere season of Fractions plays at the Queensland Performing Arts Centre until December 10.
Diving for Data
CHRISTIAN BARTENS
Bachelor of Business Management

Christian Bartens spends his days showing others how data can be used to make smarter business decisions – when he’s not underwater that is.

The former scuba diving instructor turned entrepreneur moved from Germany 10 years ago to commence studies at UQ, and worked for Tourism Australia in the UK before setting up his own consultancy in Sydney in 2007 called Datalicious.

The company is now the Australian market leader in web analytics and offers a range of services from data warehousing to the planning and development of data-driven campaigns and websites. Datalicious’s clients include top brands such as Telstra, ANZ and Tourism New Zealand.

Mr Bartens said consumer data was invaluable to businesses, and provided clear competitive advantages if applied correctly.

He used the example of data agency Dunhumby in the UK that was bought by its client Tesco for a large sum due to the value of the intellectual property it had gathered.

“Companies that can capitalise on their raw data and figure out how to turn it into actionable insights win, simple as that,” Mr Bartens said. “They’ll have the competitive edge, develop the best products and capitalise on their assets and customers in the most effective way.”

Mr Bartens said one of his favourite parts of the job was combining his passions for travel and business to present at conferences around the world.

“I enjoy interacting with the audience and teaching people new things. It’s a really gratifying feeling if you tell someone something new they didn’t know before.”

Mr Bartens encouraged entrepreneurial students to believe in their business ideas and stay focused on success.

“Keep trying, it’ll work out eventually but don’t expect the first attempt to be successful,” he said.
green teaching

benjamin kay
master of marine studies

benjamin kay is on a mission to protect the environment and help create a sustainable planet through education.

combining his biology degree from the university of california and his marine studies from uQ, Mr kay is working as a science teacher in Santa Monica, California.

on his lists of green accomplishments, Mr kay has helped ban single-use plastic bags in Santa Monica, lobbied government to support clean waterways, and designed marine and environmental sustainability curricula for several organisations.

but he said his major goal was to develop easy ways to teach students the benefits of living sustainably.

“as early as high school i discovered i had a knack for transmitting information in a way that others could more easily understand,” Mr kay said.

in 2006, he and his students founded team marine and Heal the Bay Surfrider Club – groups of eco-minded students from Santa Monica High School who raise awareness about climate change, plastic pollution and overfishing.

as a result of the students’ efforts, team marine earned the ocean hero award from the state environmental steering committee, the Wyland Foundation Grand Prize, and the Best Community Outreach Award presented by the Jane Goodall Institute.

so far, Mr kay and his students have recycled more than 60,000 drinking containers to raise money for water purifying LifeStraws, which are distributed in developing countries to monitor the quality of drinking water.

TALENT WITH A TWIST

Cody Freeman
Bachelor of Science

For Cody Freeman, what started as a hobby during his university days has since seen him go from international performer to educator to entrepreneur.

the professional balloon sculptor has featured on Channel 9’s kids’ TV show The Shak, entertained crowds at Brisbane Broncos games for the past three years, and created giant balloon floats involving lights and lasers.

His talent has taken him to the stages of Europe, Africa, India and Australia.

From the simplest animal to giant installations, Mr Freeman’s specialty is being able to create anything people ask for within a couple of minutes.

“If someone says, ‘i want an F-111 fighter jet’, i’ll be able to make it right there and do it fast,” he said.

Mr Freeman said his passion for circus stemmed back to his days studying at uQ.

“My friend and i started a small juggling club that would meet once a week in the Great Court to practise.

“Sometimes 15 to 20 people would turn up to juggle, spin and twist.”

After busking overseas and experimenting with balloon art for two years, Mr Freeman started a job teaching at an international school in Goa, India.

There, he taught circus to the kids as an extra-curricular activity.

However, his time in Goa was cut short by a motorcycle accident and Mr Freeman was forced to come back to his home in far north Queensland, where he had months of recovery enabling him to focus on his balloon designs.

Most recently, Mr Freeman opened a Circus Training Centre in Brisbane’s West End called The Ice Cream Factory and established his own balloon-sculpting business – Twisted Designs.

“Our creations and entertainment aim to twist people’s imagination by making things out of balloons that you would never have believed possible,” he said.

“We’re combining science, art and entertainment to take balloon sculpture into uncharted territory.”

Mr Freeman credits his uQ science degree with allowing him to experiment with more complex balloon creations.

“I’m using some parts of my degree more than ever at the moment and will continue to use this knowledge as i start to incorporate more lights, signal processing and electronics to circus performances,” he said.

“Having a science degree means i can bring a different approach to doing things in the circus community and allows me to think more creatively.”
CAREER CHANGE COMES FULL CIRCLE
Samantha Zurvas
Bachelor of Social Science
Master of Nursing Studies

As the first-ever graduate of UQ’s new Master of Nursing Studies program, Samantha Zurvas is fast on her way to a rewarding career.

Ms Zurvas fulfilled a lifelong ambition of becoming a nurse when she graduated in July this year.

“I’ve always been interested in the healthcare field,” she said.

“I even started a nursing degree in 2004, but decided to take a year off.

After graduating with a Bachelor of Social Science in 2007, Ms Zurvas went to work for a newspaper on the Gold Coast for two years.

“Although I enjoyed working as a marketing analyst, I had never been able to get nursing out of my head,” she said.

“For two years I searched for the courage to start again and decided to enrol in a UQ Master of Nursing Studies (Graduate Entry) program.

“I had been looking for a long time for a program that could give me the amount of clinical learning I felt I needed to work confidently as a nurse.

“I chose UQ because it looked like a fantastic opportunity to combine my previous qualifications and get a Masters in Nursing in as little at 18 months.”

Since graduating from UQ a second time around, Ms Zurvas has started a specialty paediatric graduate program at the Mater Children’s Hospital.

“I am very interested in working in paediatric intensive care and gaining further education in this area,” Ms Zurvas said.

“Nursing offers many career options – I’m interested in education and leadership roles, or perhaps even becoming a nurse practitioner in the future.

“I finally feel like I am where I am meant to be and this is thanks to the opportunities made available through the new Masters of Nursing Studies program.”

MOVING AHEAD IN LEAPS AND BOUNDS
Liz Bellward
Master of Animal Studies

When Liz Bellward was contemplating a career change, little did she know a day at the office would soon involve cuddling and caring for a dozen tigers.

With a business degree already under her belt, Ms Bellward was looking to take her passion for animals to the next level and enrolled in a Master of Animal Studies at UQ.

By mid-way through her degree, Ms Bellward was working for one of Australia’s best-known tiger tourism and conservation hotspots – Tiger Island at Dreamworld on the Gold Coast.

Ms Bellward described her time as a tiger handler as not only a professionally rewarding experience but also a personal one.

“There’s an honesty and innocence with animals that you don’t find with people,” she said.

“Having a cuddle with a 200kg tiger or having it chuff at you (a chuff is a friendly greeting) and experiencing their acceptance of you is the most incredible feeling in the world.”

Part of Ms Bellward’s work at Tiger Island was to assist with the conservation and breeding efforts of Sumatran tigers.

“There are only 300–400 of this species left in the wild and knowing I have been part of helping increase their numbers is very rewarding,” she said.

Four years on and Ms Bellward is combining her skills in business and tiger handling in establishing Karma Cats – a not-for-profit organisation aimed at conserving endangered big cat species.

“I created Karma Cats because I saw an opportunity to participate in breeding programs for endangered species and raise money for conservation,” she said.

“Some zoos see ‘making money’ as a bad thing and as exploiting the animals, but you can make money without compromising the animals’ welfare and in many cases it enriches the animals’ lives in captivity.”

Since her time at UQ, Ms Bellward has maintained excellent relationships with UQ teaching staff, and her masters supervisor now joins her on the Karma Cats board.

Ms Bellward is currently looking for more funders to support her organisation.
The Chikungunya virus is currently present in Europe, Asia, India, Africa and some parts of the United States, but is exotic to Australia. “We are working on counter measures in order to prevent an incursion into the country as there is an abundance of competent mosquito vectors that are able to transmit the virus, which could cause an epidemic in Australia,” Mr Goh said.

“During my PhD at UQ, I have undoubtedly improved myself both as a person and as a young scientist. I am very confident that the strong network of influential scientists I am working with will push me to newer heights.”

Mr Goh attributes the challenges of research and the satisfaction of success as the main contributors to deciding to pursue a research higher degree (RhD) in science. “I knew that undertaking a RhD at UQ would not only drastically improve my writing, presenting, interpretational and analytical skills, but also play a part in helping me become a mature adult,” he said.

“The outstanding learning and research supervision from my advisors has provided me with the utmost support and assistance any budding scientist could ask for. Plus, UQ’s teaching and research excellence makes it one of the best universities to study at.”

VIRUS WATCH
LUCAS GOH
Bachelor of Biotechnology

Lucas Goh is protecting Australia. Not as a soldier or an employee with the Australian Federal Police, but as a researcher preventing a fatal mosquito-borne virus from reaching our shores.

Although similar to Dengue fever in symptoms, the new virus, known as Chikungunya virus, causes fever, rashes and joint pain that can last for years. A newly mutated genotype has recently been reported to cause chronic arthritis, gastrointestinal and neurological complications, is able to be transmitted from mother to child, and has been associated with some deaths.

And like dengue, there is currently no treatment and no vaccine.

Mr Goh, originally from Singapore, is a PhD student undertaking research in the development and evaluation of diagnostic tools for Chikungunya virus. “We are aiming to develop antibodies for use in a diagnostic kit to detect and identify Chikungunya virus,” Mr Goh said. “This would allow us to potentially generate antibodies for immunotherapy.”

Mr Goh attributes the challenges of research and the satisfaction of success as the main contributors to deciding to pursue a research higher degree (RhD) in science. “I knew that undertaking a RhD at UQ would not only drastically improve my writing, presenting, interpretational and analytical skills, but also play a part in helping me become a mature adult,” he said.

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BUILDING ON THE PAST
PATRICK CHAMBERS
Bachelor of Engineering

Two years ago Patrick Chambers was walking the corridors of the St Lucia campus as an undergraduate engineer. Today, he’s working on one of the University’s biggest construction projects. Following graduation, Mr Chambers started working for Medland Metropolis, where his passion for sustainability has been put to good use working on the development of UQ’s new Global Change Institute (GCI).

He said being involved in the project was an excellent opportunity to advance his knowledge and skills in sustainable engineering. “The building aspiration is to be completely zero-net energy, and thus is an extremely challenging engineering feat,” he said.

“One of my most important philosophies is that of sustainability, so to be associated with a building that pushes the boundaries of conventional buildings is something I am very proud of. It feels great to be working on a site that I walked past every day during my student days and it will feel even better to be able to tell people that I was involved in its design.”

As part of his role on the project, Mr Chambers has constructed a 3D model of the complex to accurately gauge the building’s thermal performance. “This involved constructing the building geometry, inputting material thicknesses, and thermodynamic properties for every single element of the building structure and façade,” Mr Chambers said.

“I also had to liaise with the architect and GCI staff to pre-determine energy distribution and usage in the building.”

In September, Mr Chambers, along with a Medland Metropolis colleague, presented a lecture to UQ architecture students on how to integrate mechanics with architecture, with a focus on the GCI building. Mr Chambers said he had been interested in science from a young age, and in particular the difference between certain materials. “I would continually break chopstick and rulers, trying to bend them as far as possible,” Mr Chambers said. “I was interested in why they would bend and break differently.”

“Building on the past,” he said, “was interested in why they would bend and break differently.”

But it was his father’s passion for physics and mathematics that inspired him to study mechanical engineering at university. “While studying, I began to appreciate how well Dad prepared me for this career path,” he said.
HIGH-FLYING GRAD  
SARAH GREENHALGH  
Bachelor of Journalism  

Earlier this year when most of Brisbane was either tucked up in bed or just starting their day, Sarah Greenhalgh was flying high above the city to keep commuters informed on the best routes to work.  

Ms Greenhalgh spent four months working as the traffic reporter for Channel 9’s Today Show, and has recently secured a job at WIN TV Mackay and Whitsundays.  

Her 4am wake-up call as a traffic reporter was tough at times, but Ms Greenhalgh said it was all worth it once she was cruising the skies above Brisbane.  

“It was an incredible way to start the day,” she said.  

“But it was a job that had its highs and lows. In my first two weeks I had to report on a fatal accident and it was difficult to keep the emotion out of my voice.  

“Then there were times when I reported on incidents that were quite funny, like when there was a cow strolling down the East-West Arterial Road the night of the Katy Perry concert – we thought she might have been a big fan who had got a little lost.”  

Ms Greenhalgh started work at the Australian Traffic Network at the start of the year while completing the final semester of her degree. In addition to reporting for the Today Show and 97.3FM each morning, she was also the traffic reporter for Nova, 4KQ and Hot 91 on the Sunshine Coast in the afternoons.  

The busiest times for a traffic reporter are peak morning and peak afternoon, which meant she drove from her Paddington home to the aerodrome at Redcliffe twice a day.  

Never picturing that she would be reporting on traffic from a helicopter, Ms Greenhalgh said not knowing the difference between the Ipswich Motorway and the Pacific Motorway soon changed.  

“I have learnt in this industry that you need to take any job that becomes available and just run with it,” she said.  

“In journalism, and the media industry as a whole, contacts are crucial. It’s not so much what you know, but certainly a case of who you know.”  

Ms Greenhalgh said she had developed a particular interest in television reporting.  

“It wasn’t until 2010 that I decided I wanted to do something in television, and when the chance arose to do a 10-day internship with Channel Nine at the Ekka, I jumped at the opportunity and applied,” she said.

IMPROVING CHILD HEALTH IN INDONESIA  
JERIC FRANSISCUS PARDOSI  
Master of International Public Health  

Jerico Fransiscus Pardosi is using his skills to reduce child mortality rates in a remote part of Indonesia.  

He is currently working on an AusAID project in the Nusa Tengara Timur Province (Ende District) where a significant number of children die during birth or under the age of five due to unknown causes.  

“These statistics are terrifying. There are inequalities accessing health services across Ende in relation to antenatal care and it’s important to do an in-depth analysis to determine the unknown causes of death in this region,” Mr Pardosi said.  

Notably, the death toll for infants and children aged under five is three times higher in rural than urban areas in Ende District.  

Research undertaken during his masters enabled Mr Pardosi to complete field work in Indonesia with the support of his advisors.  

Mr Pardosi is currently a junior researcher for the National Institute of Health Research and Development in the Ministry of Health in Jakarta.  

He leads antenatal care and birth delivery research in Karawang District, West Java, and also manages the Health Science Journal of Indonesia. He hopes to become a leading expert in the region in the field of maternal and child mortality research.  

Mr Pardosi was also a recipient of 2010 UQ Indonesian Alumni Award.  

The honour has allowed Mr Pardosi to share his experiences and build ongoing health research collaborations between UQ and the National Institute of Health Research and Development in areas including HIV-AIDS.
In an Australian first, UQ’s Centre for Companion Animal Health will join forces with two major animal shelters to address the global issue of homeless and unwanted pets. A shelter rotation collaboration with RSPCA and the Animal Welfare League Queensland has been established to educate UQ veterinary students about the unique issues experienced in shelters and pounds.

Made possible with the support of alumnus David Perel and his wife Margaret, the project will be complemented by a four-year RSPCA shelter research program that will provide evidence-based strategies to reduce the numbers of unwanted pets and rates of euthanasia.

“Despite efforts in Australia to reduce the euthanasia rates of animals entering shelters, the influx of unwanted companion animals into shelters has not decreased over the past seven years,” Centre Director Professor Jacquie Rand said.

“Hundreds of thousands of animals end up in shelters for different reasons and many, unfortunately, are euthanased.”

Professor Rand said the costs of managing unwanted pets were significant and increasing, with approximately $250 million spent annually in Australia alone.

“We urgently need to understand both the human and animal factors that are contributing to the problem,” she said.

All final-year UQ veterinary students will now spend several days at the RSPCA and the Animal Welfare League to better understand the daily issues faced by shelters.

There they will learn about infectious disease control, population management procedures and providing efficient and effective veterinary care in a shelter context.

“Veterinarians are at the front line in helping to prevent many pet problems which lead to them being surrendered in the first place,” Professor Rand said.

“As an example, early-age desexing is instrumental in preventing unwanted litters of kittens being born and an essential practice for veterinary students to learn.”

The collaboration brings together shelter workers, students, staff and veterinarians whose combined expertise will help develop strategies to reduce or prevent the influx of unwanted pets.

“All final-year UQ veterinary students will now spend several days at the RSPCA and the Animal Welfare League to better understand the daily issues faced by shelters.”

ALUMNI SUPPORT

“Hundreds of thousands of animals end up in shelters for different reasons and many, unfortunately, are euthanased.”

Master of Philosophy student Sarah Zito, who is leading the program’s teaching activities and conducting further research in shelter practice, said the collaboration provided a fantastic opportunity to have a positive impact on a global animal welfare problem.

“It recognises the need for evidence-based solutions, and the key role that university veterinary schools have in partnership with animal welfare organisations in developing effective strategies through high quality research and teaching,” Ms Zito said.

“It is vital that final-year veterinary students graduate with an understanding of the unwanted pet problem as it kills more companion animals than any disease. We hope that this understanding will motivate our graduates to be involved with improving outcomes for unwanted pets.”

Mr and Mrs Perel contributed $40,000 over two years towards the Shelter Rotation Teaching Program. The RSPCA have generously committed a four-year financial pledge towards the shelter research program – a partnership that will have far-reaching benefits for unwanted pets around the country.

// To support future research and training within the Centre for Companion Animal Health, contact Julia Keith on (07) 3346 7257 or j.keith2@uq.edu.au