This week The University of Queensland is celebrating the inaugural UQ Research Week through a series of events and publicity. The week presents an opportunity to promote the significant research being conducted at this University and for members of the University community to celebrate what they have achieved.

UQ boasts some of Australia’s best and brightest inquiring minds. We are now firmly placed among the top three research universities in the nation and increasingly the work of our researchers is catching the eye of the global community. This in turn is allowing us to reverse the so-called ‘brain drain’ of research talent.

To match our growing international research status, we are building a cluster of world-class research infrastructure designed to be the equal of anything available internationally.

One of the highlights of UQ Research Week was the presentation of the UQ Foundation Research Excellence Awards (see pages 11-13), which reinforced the depth of talent among our early career researchers. We also used the opportunity to officially open the new UQ Centre (see page 10), an exciting new facility for the University and the broader community.

Professor John Hay
Vice-Chancellor
Hundreds of students attended a vigil for peace in the University’s Great Court on Wednesday, September 11 to commemorate the first anniversary of the terrorist attacks on the United States.

Entitled Beyond September 11, the event was organised by the UQ Union and Chaplaincy Services with support from Amnesty International and the University’s Muslim Students’ Association.

“Many of us have vivid memories of the tragic events of September 11 last year and it’s great that various humanitarian and religious groups on campus have been able to work together to plan this event,” said Reverend Geoff Hoyte from Chaplaincy Services.

“As we remember the attacks in New York, Washington DC and Pennsylvania a year ago we have a choice. We can be part of a culture of revenge, and contribute to breeding the next generation of terrorists, or we can work together to build peace.”

The vigil began with a traditional Aboriginal welcoming and was followed by a statement of last year’s events, a minute’s silence and speeches from representatives of Chaplaincy Services, UQ Union Refugee Action Committee and the Muslim Students’ Association.

Candles were lit to symbolise those who died and continue to die due to war and violence around the world and Islamic, Christian and Buddhist prayers and affirmations closed the ceremony.

Those in attendance were invited to sign two banners after the vigil as a symbolic action. They will be hung in the Student Union Complex and Chaplaincy Centre.

“It is important that we stand together as a community against intolerance and move forward as a whole to achieve peace and understanding,” said UQ Union Welfare Rights Officer Lisa White.

Finalists keep an eye on Enterprize

Eight finalists are preparing to make their pitch for prizes worth $125,000 in the UQ Enterprize business plan competition.

Now in its second year, Enterprize has been expanded, with a $25,000 student team prize provided by the Queensland Government’s technology incubator i.lab, plus $100,000 provided by the UQ Business School for the open competition.

Having submitted business concepts, finalists must prepare a full plan by Thursday, October 24. Teams will pitch their ideas to an audience in the UQ Centre on Friday, November 1, with judges announcing the winners after the final presentation.

The open competition finalists are as follows. X-Stim will offer a life-saving device which stimulates patients, such as unconscious people, to produce a reflex cough on demand. Phoenyxx Corporation Pty Ltd plans to commercialise skin substitute and cell culture technologies. Hypersystems International (HSI) would like to provide project management software and services as well as IT management support. Bamser Project Management Pty Ltd (BPM) hopes to create and improve underground car parks, storage facilities and basement retail and commercial spaces. Bio-Ed plans to supply affordable, modern laboratory equipment and classroom resources enabling schools to integrate modern biotechnology and genetics into their teaching.

The student team finalists are as follows. CASNA V Pty Ltd will offer research and development, consultancy and project management for global satellite navigation systems. The Couch will offer an online student discount directory, based in Brisbane, targeted at small to medium sized enterprises. Casualty will create a website matching employees with short-staffed employers.
The world’s first mammalian births in space are expected to occur during a $US15 million project to blast off in 2005 and involving Australian and United States universities.

Four of the crew members on the Mars Gravity Biosatellite Project are expected to give birth on day 10 of the 49-day mission, which is expected to yield valuable data for human exploration of Mars.

The project is also planning the spacecraft recovery, with the Woomera Prohibited Area in the South Australian desert a candidate site. The UQ group needs to raise $A1 million to undertake this project.

The UQ student group plans to have a complete, fully-tested re-entry capsule or “Entry, Descent and Landing (EDL) System” by around August 2004. It will be the first time Australians have developed such a system.

The Australian group is also planning the spacecraft recovery, with the Woomera Prohibited Area in the South Australian desert a candidate site. The UQ group needs to raise $A1 million to undertake this project.

After The Mars Society put forward the concept in 2001, students from UQ’s Centre for Hypersonics engaged with groups at the Massachusetts Institute of Technology and the University of Washington (Seattle), to design, build and operate a low earth orbiting spacecraft supporting the world-first experiment.

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Mr Hoogland. PHOTO: CHRIS STACEY.

The project has now entered the preliminary design phase, and has raised around US$120,000.

It is being sponsored by the Director of the Centre for Hypersonics, Professor Richard Morgan, who is pursuing a student exchange scheme between the schools.

The project has received $25,000 support from UQ’s Faculty of Engineering, Physical Sciences and Architecture.


www.marsgravity.org
POD book sells out
The first textbook produced by UQ’s Print on Demand (POD) Centre continues to sell out each time it hits the shelves.

A Portable Introduction to Data Analysis is the prescribed text for STAT1202 – Analysis of Biological Data and Experiments, currently being studied by 550 students.

“Since the first print run of 100 copies we have had three reprints to cover demand with delivery of each within 24 hours,” said UQ Press Deputy General Manager Greg Bain.

Mr Bain said the POD Centre provided an affordable alternative to conventional production, saved money and kept profits within the University.

“It’s good for bringing out-of-print titles back to life, testing new titles, smaller runs, or any situation where time and budget are factors,” he said.

“By using the direct print-on-demand service we have produced a book which sells to students for less than $30 in comparison to the previous prescribed text which sold for $90,” said mathematics lecturer Dr Michael Bulmer from the School of Physical Sciences.

Alumni greats courted
Two new annual awards from the University’s Development Office have expanded the traditional Alumnus of the Year Award honours.

Three outstanding UQ graduates have been honoured at the 2002 Courting the Greats Luncheon.

The event, which took place at Customs House on Tuesday, September 16, was hosted by Chancellor Sir Llew Edwards and Dr Mary Mahone, President of The Alumni Association of the University of Queensland Inc.

In addition to the Alumni Association’s Alumnus of the Year Award, the University’s Development Office created two new awards to recognise the achievements of a young graduate under 35 and an overseas graduate.

Professor Colin Power received the eleventh Alumnus of the Year Award, which honours graduates who have achieved excellence in their chosen fields and have acquired outstanding reputations among their peers.

Previous winners include Nobel Laureate Peter Doherty and Oscar winner Geoffrey Rush.

Professor Power, who received a PhD from UQ in 1971, was recognised for his outstanding contributions to the development of education internationally and the role he played in assisting education authorities in nations undergoing major political, economic and social transformations.

He has held the positions of Deputy Director-General of UNESCO and Assistant Director-General for Education – the most senior posts ever held in UNESCO by an Australian. He is currently an Adjunct Professor at the University.

The inaugural Young Alumnus of the Year Award was presented to Dr Ashley Robinson while Tan Sri Dato’ Abdul Khalid Bin Ibrahim became the first International Alumnus of the Year.

Since graduating with an electrical engineering degree in 1991, Dr Robinson, now 31, completed his PhD while working full-time and is now Engineering Director at Micreo Ltd, a new high technology company.

International Alumnus of the Year, Mr Abdul Khalid, who completed a Master of Business Administration in 1976, and carries the “Tan Sri” title, which is equivalent to a knighthood.

He is President of the Malaysian Alumni Association and is Group Chief Executive Officer of Kumpulan Guthrie Berhad – a major producer of vegetable oil. His award was accepted by daughter Siti Izatul Hawa Abdul Khalid.

$2.5m grant for mental health study
Evidence-based strategies will play a key role in research into treatments for people with chronic and recurring mental disorders.

A team of mental health researchers headed by UQ Associate Professor David Kavanagh will receive $2.5 million under the Health Research Partnership grants initiative.

The announcement was made last month after recommendations from the National Health and Medical Research Council (NHMRC).

Following extensive peer-review, the Health Research Partnerships Mental Health Committee recommended the funding for the project entitled: Evaluation of an integrated strategy to promote the health of people with chronic or recurring mental disorders.

Commonwealth Minister for Health and Ageing Senator Kay Patterson said the project team also included researchers from the University of Wollongong in New South Wales, La Trobe Regional Hospital in Victoria and the Forensic Mental Health Services in the Northern Territory.

“The project will apply evidence-based health promotion strategies in a sustainable fashion to people with chronic or recurring mental disorders in an attempt to improve mental health status, reduce physical risks, and promote social functioning,” Senator Patterson said. “The project will also assess the maintenance of changes in communities and in the practices of health practitioners, consumers and carers.

“Chronic or recurring mental disorders continue to have a substantial impact on early mortality, morbidity, and associated burden and financial cost in Australia, and are especially seen in Indigenous populations.

“Access to best practice in chronic or recurring mental disorders care is variable, with people in remote areas and Indigenous populations in those areas being particularly disadvantaged.

“This project addresses these issues through training and support for health-care providers and carers, and by increasing access to active leisure and employment.”

UQ NEWS, SEPTEMBER 2002
Voyage of discovery

by Chris Saxby

Instead of jumping on a plane to fly from the US to Australia, student Scott Rowles chose to jump in his yacht.

When American Scott Rowles chose to study at UQ, he decided to take a more round-about route to Brisbane than usual.

Whereas most overseas students travel by air, Mr Rowles decided that, at 31, he needed an adventure.

So he decided to travel from the United States to Australia on a 14-metre catamaran on a journey that ultimately involved five to eight-metre-high seas and storms lasting for up to two days with 35 to 50-knot winds.

No wonder his friends thought he was crazy.

“Part of the decision to study in Australia was the opportunity to sail,” he said.

Mr Rowles, who has begun a PhD into how information technology applies to business, set off on his four-month voyage on Monday, April 1 and arrived in Australia on Monday, July 22, a journey he described as very fast for such a long distance.

Mr Rowles, who has travelled more than 20,000 nautical miles in his sailing career, said he decided to study in Australia because the education system and way of life was somewhere between that of the United States and the United Kingdom.

“I think Scott was keen to leave the US to get a broader view of the world,” said Professor Colin Ferguson, academic advisor for e-commerce postgraduate studies in the UQ Business School.

Part of the journey involved Mr Rowles sailing his boat 800 kilometres single-handed, while he was accompanied by father Kerry for the rest of the voyage.

He said as he looked out over the endless rolling seas he did not feel isolated. “People who like to sail are very introspective,” he said.

Mr Rowles explained how the time alone gave him the opportunity to think about what he wanted to do with his life.

He has now decided that once he finishes his PhD he would like to teach. He has previously taught at the University of Georgia and will begin lecturing in information systems at UQ during first semester next year.

Professor Ferguson said Mr Rowles completed his enrolment while he was at sea, using a satellite telephone.

Although Mr Rowles brushes aside the notion that the trip was dangerous, it was certainly not without incident.

He told how both the engine water pumps broke, leaving him stranded in Rarotonga until new parts arrived.

People who like to sail are very introspective…

He simply describes the three storms he was forced to sail through as “not particularly fun”.

However, the voyage was not always so treacherous. During the journey Mr Rowles stopped at destinations including the Galapagos, the Marquesas, the Cook Islands, Tonga and Fiji.
In an Australian-first, a group of UQ researchers will try to teach children how to be resilient in the face of personal adversity and how to resist harmful habits.

The Queensland Government has awarded more than $520,000 over three years to a consortium led by UQ’s Schools of Population Health and Social Science.

It is part of a $1.4 million Resilience Project initiative that aims to help children develop skills to resist harmful habits like smoking and drug use, and cope with issues such as family breakdowns and bullying.

Other members of the consortium include UQ’s Schools of Medicine, Human Movement Studies, Rehabilitation Sciences and Psychology; Education Queensland; Royal Children’s Hospital and Health Service District; HUB Community Centre; and the Nicklin Centre.

“Our principal goal is a multi-strategy health promotion which encourages resiliency in children of primary school age in school, family and community settings,” said project coordinator Professor Jake Najman from UQ’s Schools of Population Health and Social Sciences.

In consultation with Education Queensland, the consortium chose Stafford State, Stafford Heights and Boondall high schools and their families and communities to participate.

Professor Najman said factors placing children at risk of increased adverse health and well-being outcomes such as poor scholastic performance and delinquent or violent behaviour, included economic and social disadvantage, parental lifestyle, marital conflict, maternal mental health and biological effects.

CAST appointment
Professor David StJohn has been appointed Chief Executive Officer of the Cooperative Research Centre for Cast Metals Manufacturing (CAST).

Professor StJohn holds UQ’s Chair of Solidification Technology and has an international reputation in light metals research and experience in managing collaborative research both in industry and universities.

He has been a member of CAST since 1994 and fulfilled the role of acting CEO of CAST for several months prior to his appointment.

He was selected following an international recruitment drive to find a replacement for CAST’s founding CEO, Professor Gordon Dunlop, who resigned in April this year.

School’s in for IT
UQ’s School of Information Technology and Electrical Engineering has a wide range of activities planned for Year 11 high school students at the Queensland University Information Technology School (QUITS) from Tuesday, October 1 until Thursday, October 3.

Sponsored by the Australian Computer Society and entering its seventh year, the annual school has places for 60 students.

QUITS will give students the opportunity to explore the breadth of information technology from the details of current programming methods and hardware control, to the latest in practical technology use.

Information: itaire@uq.edu.au

Teaching kids how to say “no”

by Joanne van Zeeland

UQ researchers are developing effective early intervention methods designed to help child health and development.

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In consultation with Education Queensland, the consortium chose Stafford State, Stafford Heights and Boondall high schools and their families and communities to participate.

Professor Najman said the project would focus on skills such as communication, literacy and social skills in order to:

- address the structural basis of the disadvantages leading to adverse child mental health and developmental outcomes;
- increase attachment of participants to individuals and groups who can serve as role models; and
- enhance family functioning and family interactions so children receive more effective parenting.

“National and international policy documents have recognised the increasing need for approaches to mental and physical health disorders that emphasise prevention, promotion and early intervention,” he said.

Computer games at Uni?... that’s crazy talk!

Not so — as part of my thesis I am interested in the different strategies people use when playing computer games. I need participants from the University who would be willing to interrupt their busy study to play computer games.

If you are interested in playing the latest in games on the XBox then email me, Lars, at Xbox_research@hotmail.com and I will send you more information.
Country life inspires landscapes

A former UQ student has been touring the world showcasing her artwork before venturing back into the academic world.

A UQ art history graduate and soon-to-be PhD student from country Queensland will have her work exhibited as part of Australia’s Year of the Outback.

Kathryn Brimblecombe-Fox, who studied art history at UQ 20 years ago, has successfully worked as an artist and part-time curator while raising three children.

Since moving to Brisbane two years ago and after two decades away from tertiary education, she has successfully completed a bridging program for a PhD in art history via UQ’s School of English, Media Studies and Art History.

“Reflections on the past and my experience of the country provide great inspiration for my landscapes, in which distance is both spatial and temporal,” she said.

Ms Brimblecombe-Fox grew up on a grain farm outside Dalby in south-west Queensland. She lived in country Queensland for 30 years and attended art classes with the Flying Art School from the age of 12.

She staged exhibitions of her latest landscape paintings in Brisbane and London as part of Year of the Outback events.

Cut Lines, a 14-metre-long continuous landscape painting graced the walls of Brisbane’s Soapbox Gallery from Friday, August 30–Saturday, September 21.

Distance, an exhibition of 26 oil paintings, was featured at Gallery 27 in London’s commercial art district of Mayfair, from Monday, September 16–Saturday, September 21.

A Year of the Outback ambassador, Ms Brimblecombe-Fox paints landscapes capturing the sense of driving into the distance on a lonely highway.

“Country people are very used to long drives along lonely highways where there is a sense of going towards the distance but being in it at the same time,” she said.

She said her paintings were not just about what the landscape looks like, but also how it feels.

“Since moving to the city, the distance between my past and present has freed me from expectations I felt to paint my environment in the literal sense,” she said.

Ms Brimblecombe-Fox painted the two seven-metre-long watercolour paper panels making up Cut Lines by working on her garage floor.

The paintings get their title from the markers above and along the work, indicating where sections of the continuous painting can be cut and sold as individual pieces.

The separate works making up Cut Lines outline the boundaries of time and space as well as playing on the concepts of land-ownership and artistic value.

Dominating the paintings are mountains, the horizon-line and patterns of the landscape.

After her initial studies at UQ, Ms Brimblecombe-Fox worked as a curatorial assistant at the National Gallery of Australia before moving to Goondiwindi.

During her 18 years there she exhibited her work in solo and group exhibitions in Sydney, Brisbane and Toowoomba and also worked as a curator at the University of Southern Queensland and the Dalby and Toowoomba Regional Galleries.
Deadly venom a life saver

A blood-clotting protein produced by the brown snake has a broad range of uses in medical emergencies.

A new company has been launched to commercialise an innovative blood-clotting agent derived from the venom of one of Australia’s most dangerous snakes.

The agent, which is a protein, was isolated from the venom of the Australian brown snake by UQ researchers and is able to promote the formation of a blood clot within seconds of being added to whole human blood.

The product will have surgical and trauma applications anywhere open wounds are treated including doctor’s surgeries, emergency rooms, ambulances and military triage.

While the clotting agent has been tested in the laboratory, further research and development work must now be undertaken.

Commercialisation of the agent will be carried out by HaemPatch Pty Ltd, a company launched by UQ’s technology investment arm UniQuest, with $500,000 in funding assistance from UniSeed, a UQ and University of Melbourne venture capital fund.

AusIndustry also announced recently it would grant HaemPatch Pty Ltd a $200,000 Biotechnology Innovation Fund (BIF) grant to expedite the research and commercialisation process.

UniQuest’s Innovation and Commercial Development Manager Dr Mark Harvey said the funding would allow researchers to undertake pre-clinical development over the next two years.

The isolation of the blood-clotting protein was carried out by collaboration between Dr Paul Masci and Professor Martin Lavin from UQ’s School of Medicine and Professor John de Jersey from UQ’s School of Molecular and Microbial Sciences.

UQ Centre opens

The new $20 million UQ Centre was officially opened on Thursday, September 26 by the Governor of Queensland, His Excellency Major General Peter Arnison, AC, CVO.

The multi-purpose facility was opened during a UQ Celebration of Excellence evening.

Situated on the St Lucia campus’ Union Road, it was designed as a premier venue for graduation ceremonies, exhibitions, conferences, banquets and cultural and sporting events.

The primary hall is 56-metres-long, 38-metres-wide and 10.5-metres-high and can accommodate 1500 people in retractable, tiered seating or up to 2500 when configured for graduation ceremonies.

The 504-square-metre lecture theatre seats up to 400 people and can also be used as a multi-purpose hall.

A glazed foyer and post-function space featuring a sandstone wall reminiscent of the University’s Great Court link the two halls.

Mayne Hall will continue to be used as a cultural venue and will become the site of Australia’s first National Collection of Artists’ Self-Portraits.

The UQ Celebration of Excellence evening included the awarding of an honorary Doctorate of Laws to the Governor and the presentation of the UQ Foundation Research Excellence Awards by Queensland Premier Peter Beattie (see pages 11-13).
Seven University researchers received UQ Foundation Research Excellence Awards totalling almost $500,000 as part of the inaugural UQ Research Week held from Monday, September 23–Friday, September 27. The awards, now in their fourth year, recognise outstanding performance and leadership potential in early career researchers.

Deputy Vice-Chancellor (Research) Professor David Siddle said the aim of the week was to bring attention to the University’s considerable research strengths.

“We want to raise awareness in the business and general community that UQ is one of the country’s best performing research universities,” he said.

A public lecture entitled 2020 Vision: Creating the Individual formed part of UQ Research Week. It was presented by Institute for Molecular Bioscience Co-Director Professor John Mattick and recently appointed UQ Foundation Professor of Molecular Neuroscience Perry Bartlett.

Other activities included the release of UQ’s 2002 Research Report, a Postgraduate Information Expo and a Research Careers Forum.

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**SKY HIGH RESEARCH**

Psychologist Dr Andrew Neal will use his award to develop a computer program aimed at maintaining Australia’s high air-safety standards. The software uses data such as traffic volume and complexity to predict the average time an air traffic controller needs to identify and avert potential conflict between aircraft.

Potential uses include workload assessment and prediction management by airspace management systems world-wide and assessment of safety issues associated with “free flight”, a proposal by the International Civil Aviation Organisation. Dr Neal, a senior lecturer in the University’s Key Centre for Human Factors and Applied Cognitive Psychology, is one of a team of UQ psychologists and computer scientists working with scientists from Defence Research and Development Canada.

He said controllers worked from computer screens showing aircraft in assigned sectors, monitoring and directing traffic to maintain a safe, orderly and efficient flow.

This included observing separation standards requiring aircraft to maintain minimum vertical and horizontal distances from each other.

“Our program will predict the average time that air traffic controllers will take to identify conflict, i.e. breaches of separation standards,” he said.

“It will help in making judgments on the number of aircraft a controller can safely handle at one time.”

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**GENE GENIES**

Based at the Institute for Molecular Bioscience’s Expression Genomics Laboratory, Dr Sean Grimmond and his colleague Dr Rohan Teasdale are poised to unravel the invaluable secrets of the human genome and determine the biological functions of individual genes.

“Now that the human genome is sorted, we are developing one of the first tools to make sense of how to use it,” Dr Grimmond said.

His award will facilitate a collaboration with RIKEN Institute researchers in Japan to mass-screen up to 10,000 human genes to determine which biological functions they control. This information will give insights to the cancer cycle and mammalian development in ways that could change modern medicine forever.

It will build a library catalogue of the genes that make up the body, where they are located and the biological process they control – be it cell growth, the cell cycle or cell suicide.

“When we identify the genes that are definitely involved in the suicide cycle or controlled cell death (apoptosis), it is conceivable that we can introduce those genes to cancer cells and reverse the process,” Dr Grimmond said.

Dr Grimmond first studied microarrays at the Mammalian Genetics Unit, United Kingdom, and received a 2002–2006 National Health and Medical Research Council career development award.
MYSTERIES UNEARTHED

Metallurgy researcher Dr Eugene Jak is turning to mathematics to solve a long-standing metal processing problem.

Dr Jak, Research Director of UQ’s Pyrometallurgy Research Centre (PYROSEARCH), is leading a project to provide a mathematical description of the chemical and physical behaviours of molten oxides.

According to Dr Jak, while the behaviour of molten oxides (slags) plays a crucial role in high-temperature metal and mineral processing, not much is known of the internal structure of these silicate systems at the atomic level.

A greater understanding of slag properties could have major benefits for industries such as metal and mineral extraction, coal, glass and ceramics.

Dr Jak said molten oxides were mostly composed of silicates derived from host rock minerals or were added deliberately in industrial processes to modify the properties of the reaction products.

“A more detailed understanding of the structure of these silicates is very complicated, and it’s a key factor in how the chemical and physical properties of the slags change with composition and temperature,” he said.

Dr Jak said a mathematical basis would be used to predict the properties of the slags.

CANCER GENETICS

Understanding the genetic basis of breast cancer – the most common cause of cancer death among Australian women – may lead to better diagnosis and the development of new preventative drugs.

School of Molecular and Microbial Sciences lecturer Dr Melissa Brown’s research investigates the cellular and molecular effects of disrupting the function of the Breast Cancer One (or BRCA1) gene, one of several breast cancer susceptibility genes isolated in the last decade.

Around 10 percent of breast cancer cases are due to hereditary factors with up to half of these due to the abnormalities in BRCA1.

Breast cancer affects approximately one in 11 women and every day in Australia, 25 women discover they have breast cancer.

Currently in Australia, 100,000 women cope with breast cancer diagnoses.

Dr Brown’s research is broadly divided into two main areas – investigating the triggers to switching the BRCA1 gene on and off and the actions of the gene’s protein product.

She said her award funds would be used to explore some novel approaches to her research outside the bounds of the two National Health and Medical Research Council grants and one Queensland Cancer Fund grant she currently holds.

THE LIGHT STUFF

Dr Tim Ralph and his colleagues in the Australian Research Council (ARC) Special Research Centre for Quantum Computer Technology at UQ are helping Australia lead the world in new computer technologies.

They are at the cutting-edge in developing the next generation of computers, quantum computers, using particles of light instead of silicon chips.

Quantum computers offer a solution to the “brick wall” confronting scientists in their drive towards ever-smaller chips.

Current technology is thought to run into fundamental physical barriers (size and cost) around the year 2010.

Researchers are looking at a way forward by building computers at the level of single atoms and single electrons, using quantum physics rather than everyday physics and electronics.

By exploiting properties of quantum information, quantum computers make many attempts to solve hard problems at the same time, allowing calculations in a matter of seconds which now take weeks to achieve.

Dr Ralph and colleagues at the Australian National University announced they had developed high-quality prototypes for the concept of teleportation. A teleporter is a basic requirement for quantum computers to transfer information from one place to another.
SEXY FLY-BOYS STUDIED

Studying the sex life of a fly species native to Australia’s east coast rainforests could explain why females get more of a “buzz” from some males than others.

Dr Mark Blows from UQ’s School of Life Sciences is throwing light on a subject that has intrigued evolutionary scientists for decades.

“Theory suggests females prefer extreme male traits because they may indicate that those males carry genes that confer high fitness to offspring. These genetic principles apply to mate choice in all species, including humans,” Dr Blows said.

His work for the first time brings some key aspects of sexual selection together in one genetic experiment.

“We have already shown that female choice affects offspring fitness in a genetic experimental design that allowed us to estimate the genetic associations between female preference, male attractiveness and offspring fitness,” he said.

“The genes that make a male attractive also confer lower offspring fitness. This eventually leads to a balance between sexual and natural selection, as females still choose attractive males, but very attractive males have lower offspring fitness.

“To put it another way, attractive males put so much effort into buying the red Ferrari to attract females, they have no money for the education of their kids.”

ASSOC. PROFESSOR PAUL HODGES

SPINAL RISK EXAMINED

People with breathing difficulties or urinary incontinence may be at greater risk of spinal injuries.

Associate Professor Paul Hodges from UQ’s School of Health and Rehabilitation Sciences is investigating the correlation between the nervous system dealing with multiple tasks, such as respiration and joint stability, and the risk factors for developing musculoskeletal pain and injury.

“Muscles often perform multiple functions at the same time and the brain prioritises these tasks according to their relative importance, which means that the accuracy of joint stability often comes second and places the person at greater risk of injury,” he said.

Dr Hodges plans to use the award funds to examine how the brain controls movement and alters with pain and what situations put people at greater risk of injury.

“Musculoskeletal pain is the third leading cause of health-care expenditure in Australia and spinal pain is the most common and expensive work-related injury in western society,” he said.

“The identification of risk factors for back pain, particularly for those suffering from asthma and urinary incontinence, will help develop guidelines for injury prevention and provide new strategies for rehabilitation, thereby improving patient outcomes.”

PHOTOS: DON THOMPSON, CHRIS STACEY
Hitting superorbital speed

The technological achievements of the UQ Centre for Hypersonics are globally recognised.

Australia is in a strong position to participate as suppliers, rather than as purchasers of services, in advanced space technology, according to a leading UQ space researcher.

Professor Richard Morgan said space-based services formed an increasing sector of the international business market.

“The impact of the Global Positioning System has added an estimated $US40 billion to the annual Gross National Product (GNP) of the United States alone,” he said.

“Australia can maintain a niche role in this area.”

Professor Morgan is Director of UQ’s Centre for Hypersonics, the largest group of hypersonics researchers in Australia and the largest University-based hypersonics group in the world.

Hypersonics is the study of velocities of Mach number five (five times the speed of sound or more).

Professor Morgan said the Centre played a leading role in developing ground test facilities for simulating hypervelocity flight.

The latest high speed facilities worldwide were based on techniques developed at UQ and by collaborators at the Australian National University.

“$US100 million worth of ground test facilities based on copies of UQ designs have been built around the world,” he said.

Professor Morgan recently received two Institution of Engineers Australia – Queensland Engineering Excellence Awards recognising the Centre’s world-class test facilities.

Professor Morgan has designed, developed and commissioned UQ’s series of high speed wind tunnels, known as superorbital expansion tubes, to study the aerodynamics of re-entry flight in the atmospheres of the solar system and beyond.

The project builds on hypersonics technology developed in Australia over the past 40 years and has culminated in commissioning the largest expansion tube in the world, UQ’s X3 facility.

The X3 can be charged with gas mixtures representative of the atmospheres of selected planets, and real flight speeds can be achieved on heavily instrumented models to measure their operating characteristics.

Professor Morgan said in early testing in the X3 tunnel, a model “waverider” aeroshell designed by Dr Ramesh from the Centre for Hypersonics had been flown at superorbital speeds for the first time.

The waverider “surfs” through the upper atmospheres of the planets flying upside down in a so-called aerogravity assist maneuver generating lift to get a slingshot increase in velocity from the planets orbital motion.

Art in science

Entrants in the Angstrom Art Expose Your Science competition will be competing for $1000 with two runners-up collecting $500.

Angstrom Art convenor Associate Professor Jenny Martin said the enormous response to last year’s competition prompted the increase in prize money.

“Last year’s winning entry and 12 other images were featured in the Angstrom Art 2002 postcard calendar distributed throughout Australia,” she said.

“There were 10,000 produced and they were snapped up by the public in less than a week.”

The 2002 competition is open to all Australian scientists. It is supported by Today’s Life Science and the Federal Government’s Science and Technology Awareness Program. Entries close at 5pm on Friday, October 11.

Information: 07 3365 1805, www.angstrom-art.com

Innovation expo

Everything from solar powered cars to robot soccer and virtual households will be on display at the third annual UQ Innovation Expo.

Organised by the School of Information Technology and Electrical Engineering (ITEE), it will be held on Tuesday, October 29 at the new UQ Centre.

It is an opportunity for industry representatives, students and the public to catch a glimpse of future technology and to showcase ITEE’s teaching and research.

Queensland Rail is the major sponsor, with additional sponsorship by Dell, The Institution of Engineers Australia, Queensland Government Department of Innovation and Information Economy, Australian Computer Society (Queensland branch), Trendsetter Media and UQ’s Centre for Sensor Signal and Information Processing and the Technology and Innovation Management Centre.
A world-renowned scientist and the Archbishop of Perth were awarded honorary degrees by UQ at graduation ceremonies last month.

Dr Rita Rossi Colwell was awarded an honorary Doctorate of Science on Thursday, August 22, in recognition of her distinguished career and international contribution to microbial ecology and marine biotechnology.

Dr Colwell has published prolifically, served on a large number of national and international boards and committees, and held many honorary and elected positions, including 25 honorary degrees.

She has been an Honorary Professor in Microbiology at UQ since 1988 and was appointed Director of the National Science Foundation by United States President Bill Clinton in 1998.

The Most Reverend Dr Peter Frederick Carnley, AO, received an honorary Doctorate of Letters on Monday, August 19, for being a distinguished scholar and author, a champion of social justice and a force for a tolerant and united Australia.

Dr Carnley became Archbishop of Perth in 1981 when he was 43 years old, and in 2000 was elected Primate of the Anglican Church of Australia.

He ordained the first women to the priesthood and as a special friend to the Ngarinyin people in Western Australia’s Kimberley region, he staunchly supports Aboriginal causes.

In 1972, he spent a year as Resident Fellow at St John’s College, Cambridge before accepting UQ posts as Warden of St John’s College and lecturer in Studies in Religion.

A recent UQ sporting and cultural event proved to be a swimming success.

Activities at the University’s St Lucia campus provided a dynamic end to this year’s Brisbane Riverfiesta.

The inaugural UQ Sport & Cultural Festival marked the end of week-long river celebrations on Sunday, September 8, with multicultural performances and sporting activities.

Director of UQ SPORT Kim Guerin said the combination proved a popular mix for visitors as part of the new Riverfiesta program.

“With Riverfiesta activities going beyond the city reach for the first time it was a great opportunity to forge partnerships between UQ, Riverfiesta and local business and community groups,” she said.

As part of the day, Senior Deputy Vice-Chancellor Professor Paul Greenfield announced the South East Queensland Waterways Report Card.

The international Semarang City Dancers performed exclusively as part of an official visit to Queensland led by the Governor of Central Java, His Excellency Bapak Mardiyanto.

Ms Guerin said the inaugural festival was developing into an important event for the University and the local community with positive involvement from students, local businesses and community groups.

Riverfiesta makes splash

Riverfiesta performer Luke Moller entertains the crowds. PHOTO: CHRIS STACEY

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According to new research carried out by a UQ marketing lecturer, brand loyalty between businesses is based on emotion.

UQ Business School lecturer Dr Rebekah Bennett found the emotional factor of satisfaction had the largest relative impact on attitudinal brand loyalty compared to more rationally based factors.

Her findings have addressed a major gap in the research in this area by focusing on both attitudes and behaviour together rather than in isolation. They also highlight important lessons for businesses.

“In this study emotional factors were the strongest influence for a business buying a service from another business, rather than rational reasons,” Dr Bennett said.

Her study into brand-related concepts in the business services sector was conducted as part of her PhD, awarded the same day her daughter Charlotte was born.

Dr Bennett found attitudinal brand loyalty had a direct impact on feeling good about business behaviour and filtered the impact of other factors such as the perceived risk of buying, the importance of the purchase and the relationship with the salesperson.

Her research suggests commitment, trust and emotional satisfaction have an indirect effect on brand loyalty.

“An interesting finding was that a business will continue to buy the business service brand even if they don’t like the salesperson,” Dr Bennett said.

However, Dr Bennett also found that attitudes towards a brand did not always translate into repeat purchases of that brand.

“A business may intend to re-purchase a brand but not actually do this,” Dr Bennett said.

She said businesses should not assume that other businesses would buy based on rational reasons.

“They are made up of humans and humans are influenced by emotion,” she said.

Businesses should tailor marketing communication to incorporate both emotional and informational appeal, she said.

“Feeling good about business is the key to brand loyalty and filtered the impact of other factors such as the perceived risk of buying, the importance of the purchase and the relationship with the salesperson. Her research suggests commitment, trust and emotional satisfaction have an indirect effect on brand loyalty. "An interesting finding was that a business will continue to buy the business service brand even if they don’t like the salesperson," Dr Bennett said.

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In this study emotional factors were the strongest influences.
Ever wondered why the banks of the Brisbane River around UQ are looking so trim and tidy these days? If so, you have the 66 missionaries from the Church of Jesus Christ of Latter-day Saints to thank for their efforts in rehabilitating an extensive three-kilometre stretch of the St Lucia reach of the Brisbane River.

Over the past nine months, the young Mormon men and women aged between 19 and 21 provided “service with a smile” – this was the slogan displayed on their t-shirts.

At a reception to honour their work, Vice-Chancellor Professor John Hay said “they provided a generous public service” and that people had been astonished at how beautiful it had become.

President William Fox, who accepted a certificate of appreciation from the University on behalf of the Church, praised the way the project had been handled.

In searing conditions the dedicated missionaries cleared grass areas, laid mulch and replanted with native grasses, shrubs and trees supplied by the University. The whole process involved 20 workers per day, three times a week for four hours a day. In total around 50,000 plants were laid.

More than 60,000 Latter-day Saint missionaries are currently devoting two years of their time to similar projects around the world.

Bonner honour for top student

UQ honours student Nathan Woolford has been awarded the Neville Bonner Memorial Scholarship for 2002. The 25-year-old recently completed a Bachelor of Arts and has an impressive academic record.

He is only the second winner of the scholarship, which was established to honour the first Indigenous member of Federal Parliament, the late Senator Neville Bonner, AO.

The scholarship is awarded annually to an Indigenous student to complete an honours year in a subject consistent with the political and social ideals of the award.

“I didn’t think I would win but they liked my application. I was really surprised,” Mr Woolford said.

Applications come from across Australia but it was Mr Woolford’s strong academic record and his supervisor’s reports that impressed the selection committee.

From Booval in Queensland, Mr Woolford is undertaking an honours degree in anthropology and archaeology. His key area of interest lies in the inherited beliefs, ethnocentricity and racist foundations of anthropology.

Abuse study

Christian women who have suffered from domestic abuse are needed for a UQ study.

The study will focus on the participants’ experiences, areas of religious faith and the types and levels of assistance provided to them by their local clergy.

It will investigate all types of domestic abuse whether it be violent or non-violent acts such as verbal or financial mistreatment.

Volunteers need to have been Christian at the time of the abuse and be willing to be interviewed, possibly more than once. Preference will be given to those living or working on Brisbane’s northside.

Information: 07 3365 6541, r.gillies@uq.edu.au

Skeletal research

A Multidisciplinary Research Day in Musculoskeletal Disorders will be held on Saturday, October 19, at the Prince Charles Hospital as part of Bone and Joint Decade activities.

Local researchers will present current findings across the spectrum of bone and joint diseases and at a gala dinner State Health Minister Wendy Edmond will launch the Bone and Joint Decade in Queensland.

Admission is free but registration is required.

Information: 07 3346 4743, b.oconnor@uq.edu.au

Restoration mission

The banks of the Brisbane River have been transformed by a hard-working army of volunteers.

From left: Elder Kurtis Pratt, Sister Elizabeth Marii and Professor Hay. PHOTO: CHRIS STACEY
BIOCHEMISTRY AND MOLECULAR BIOLOGY

Biochemistry Alumni Lecture: October 10, UQ St Lucia
Dr Carina Dennis, the Australasian correspondent for scientific journal *Nature*, will discuss *Scientists Speaking Out* at 7pm in the UQ Centre lecture theatre.
A Bachelor of Science (honours) graduate of UQ, Dr Dennis completed a doctorate in genetics at the University of Oxford in 1996.
In 2001 she was editor of the landmark publication of the human genome and subsequently co-authored *The Human Genome* (Palgrave, 2001).
Information and RSVP: 07 3365 4636, b.forbes@uq.edu.au

CHEMISTRY

TGH Jones Memorial Lecture: October 9, UQ St Lucia
Highly-regarded microbiologist Dr Annabelle Duncan will discuss *A Sustainable Future for the Australian Chemical Industry* at 7.30pm in Room 348 of the Physiology Lecture Theatres.
Dr Duncan became Chief of CSIRO’s Division of Molecular Science in 1999. She is an advisor to the Department of Foreign Affairs and Trade on biological weapons control and represents Australia at international arms control meetings in this capacity.
She has also acted as a biological weapons inspector with the United Nations in Iraq. Established in 1985, the annual lecture honours the late Thomas Gilbert Henry Jones, a former UQ academic staff member.
Information and RSVP: 07 3365 4636, b.forbes@uq.edu.au

DIPTEROLOGY

Fifth International Congress of Dipterology: September 29–October 4, UQ St Lucia
The world’s leading experts will discuss flies, mosquitoes and related insects at the event, held every four years.
Delegates include Dr Conrad Ladandeira, Smithsonian Institution, Washington; Dr Nipam Patel, Howard Hughes Medical Institute, Chicago; and Professor Richard Russell, Westmead Hospital, Sydney.
Topics will include forensics; exotic diseases; social and economic aspects; medicine and genetics; flies as models; and archaeology.

LINGUISTICS

Linguistics and Language Processing: October 4, UQ St Lucia
The one-day postgraduate workshop will be held in conjunction with the annual *Work in Progress* conference.
Topics will include the evolution of language, syntax, semantics, speech pathology and phonetics.
It will be run by the University’s linguistics program with the support of UQ’s Centre for Research in Language Processing and Linguistics.
Information: www.emsah.uq.edu.au/wip/linguistics

SPECIAL EDUCATION

Celebrating the Past: Envisioning the Future: October 11–13, Customs House, Bardon Conference Centre
The three-day conference will mark the 50th anniversary of UQ’s Fred and Eleanor Schonell Special Education Research Centre—the oldest research centre at the University.
The conference will examine inclusive education, school reform, students with special needs, at-risk youth, literacy, health and leisure education, community living, advocacy, cooperative learning, self-concept and cognitive development.
Speakers include Professor Claude Goldenberg, California State University; Professor Patricia O’Brien, Auckland College of Education; Dr Paul Berry, Neuerkerode Foundation, Germany; and Professor John McLeod, University of Saskatchewan.
A celebratory dinner will be held at Customs House on Friday, October 11. Registration closes Friday, September 27.
Information: 0419 170 193, meredith.macleod@bigpond.com, www.uq.edu.au/education/centres/schonell
Relationships can be just as important as diet and exercise in maintaining the health of older people, according to UQ researcher Professor Helen Bartlett.

Speaking at the launch of the new Australasian Centre on Ageing in Brisbane as part of Seniors Week, Professor Bartlett said mental health and social relationships are sometimes overlooked as key health indicators of older adults.

“Research is showing healthy ageing is not only about physical fitness and good nutrition, but also about getting the most out of life – and that means maintaining and developing good relationships,” she said.

Professor Bartlett is the Foundation Director of the Australasian Centre on Ageing, based at the University’s St Lucia campus.

“Operating across all disciplines, the Centre draws on a range of expertise in areas such as physiotherapy, human movement studies, psychology, medicine, financial management, law, town-planning and social work,” she said.

“It is a collaborative research initiative by UQ and the Seniors’ Interests Unit, Queensland Department of Families.”

The Centre provides an umbrella for more than 100 research projects in progress or recently completed by University staff. The Centre itself has a multi-disciplinary team of 12 staff and doctoral students.

Examples of the projects being carried out under the umbrella of the Centre include:
- accreditation of residential aged-care facilities;
- prevention of suicide among older men;
- social isolation and older people;
- communication in nursing homes;
- promoting “age-friendliness”; and
- linking ageing research and the policy agenda.

The Centre was officially launched last month at the University’s Customs House by public health advocate Ita Buttrose.

Warning as campus thefts increase

UQ staff and students are warned that thieves targeting students in University libraries have widened their activities to other parts of the St Lucia campus.

University Secretary and Registrar Douglas Porter said in the past few months a number of individuals had taken student backpacks, bags and wallets from unattended desks in libraries.

They had removed wallets and mobile phones and dumped the bags inside and outside buildings. Most of the bags had been recovered but not personal items or valuables.

In several incidents, thieves have stolen backpacks from students sleeping at desks.

It appeared that international students in particular were being targeted.

Other universities in Brisbane were also experiencing similar criminal activity.

Due to increased security vigilance and additional security measures, and assistance from Library corporate services, thieves had now moved their activities to other parts of the St Lucia campus.

The new areas included lecture theatres and staff offices.

The thieves were also standing behind staff and students in ATM lines and observing people as they keyed in their Personal Identification Number (PIN) to obtain money.

Three staff members had reported they believed they had been subsequently followed back to their offices, and their bags stolen and credit cards used to obtain money from their accounts.

Mr Porter said the University was increasing its public education campaign about the dangers of leaving bags and personal property unattended while on campus.

People should also be careful to conceal their movements while entering their PIN into ATM machines so they were not observed.

“I urge staff and students to report any suspicious activities immediately to Library staff or members of University Security, who can be contacted on telephone 07 3365 1234,” he said.

“University Security staff will be pleased to provide advice to any University sections wishing to review their security procedures.”
Education equity

UQ Chancellor Sir Llew Edwards was a guest at Government House, Canberra, last month for the launch of the National Education and Employment Forum (NEEF) report.

The report, launched by Australia’s Governor-General Dr Peter Hollingsworth, was the outcome of the NEEF carried out by the World Education Fellowship.

UQ was one of the sponsors of the project which examined the role of education in bridging the gap between those who have done well in the economic development of the last decade and those who are being left behind.

The report’s six authors included NEEF National Coordinator and former UQ lecturer Dr Anne Feeney, and UQ’s Director of Personnel Dennis Feeney.

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SOME OF THE STORIES THAT PUT UQ STAFF IN THE MEDIA

August/September 2002

ANIMAL STUDIES
Dr John Dingle’s research into the viability of chicken leather received broad media coverage, including in The Daily Telegraph (31/8), The Weekend Australian (24/8) and The Adelaide Advertiser (24/8).

CURRENT EVENTS
Dr Gregory Poulgrain talked to various media outlets including The Daily Telegraph (2/9) and The Courier-Mail (2/9) about an ambush on a convoy of workers in West Papua.

Student protests against Prime Minister John Howard at the annual Archbishop Sir James Duhig Memorial Lecture at UQ received widespread national media coverage.

ECONOMICS
Reserve Bank Governor Ian Macfarlane’s speech at the Colin Clark Memorial Lecture received blanket national media coverage including The Australian Financial Review (22/8), The West Australian (22/8), The Age (22/8), The Courier-Mail (19/8) and radio stations around the country.

ENGINEERING
The HyShot project continued to attract considerable publicity around the world with Professor Allan Paul and colleagues featured in a double-page spread in Time magazine (26/8).

ENVIRONMENT
Professor Paul Greenfield discussed the recently released South East Queensland Waterway Report Card in The Courier-Mail (9/9) and on Channel Seven Brisbane’s news program (8/9).

Dr Raymond Evans wrote in The Australian (6/9) about Australia’s reluctance to sign the Kyoto Protocol.

LITERATURE
Dr Susan Hopkins’ new book Girl Heroes: The New Force in Popular Culture received coverage in The Canberra Times (8/9), The Age (24/8), Campus Review (21/8), The Sydney Morning Herald (10/8) and on ABC Radio (15/8) and Adelaide radio (28/8).

PSYCHOLOGY
The ABC’s Life Matters (4/9) program featured Professor Matt Sanders discussing the need for common pathways that deal with the problems children face in life. Professor Sanders was also interviewed on 4BC Radio (2/9) about gifted children and the ambitions of parents, and spoke on Channel Nine’s Brisbane Extra (4/9) about coping with nagging children.

SCIENCE
The Courier-Mail (27/8) reported on a Queensland study providing direct proof that a gene mutation detected in cancer sufferers causes tumours. Professor Martin Lavin and Dr Kevin Spring will present their findings in a Natural Genetics journal article.

SOCIAL SCIENCE
Research by Associate Professor Janeen Baxter, Dr Mark Western and Belinda Hewitt that showed married men earned more than their single counterparts was reported widely, including in The Sydney Morning Herald (19/8, 24/8), The West Australian (19/8) and The Courier-Mail, as well as ABC Radio and commercial radio stations nationwide.

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MOVING OVERSEAS?

Storage
Self Pack Option
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Self Pack Container Hire
Economy Rates for Small Consignments
Special Full Container and Consolidation Rates
Full Packing
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email: sales@ossbrisbane.com website: www.ossworldwidemovers.com

SYDNEY ▪ MELBOURNE ▪ BRISBANE ▪ MACKAY ▪ PERTH
“Fighting like a girl” is something to be proud of, according to UQ social science and communications lecturer, Dr Susan Hopkins.

In her new book Girl Heroes: The New Force in Popular Culture, Dr Hopkins argues girls are fighting back against restrictive stereotypes of feminine passivity.

She said today’s girls do not just want the tough action hero — they want the tough action hero who is assertive and achievement-oriented,” she said.

“Characteristics once typically associated with boys and men such as physical strength and stamina, superiority and dominance, courage and determination are increasingly available to girls and young women,” Dr Hopkins said.

“Today the girl of our mass mediated dreams is a daring over-achiever.”

“Empowered sex objects such as Buffy, Xena and Charlie’s Angels, not only know what they want, they are willing and able to fight for it.”

However, Dr Hopkins said celebrity worship could be a cause for concern.

“It’s troubling to see pop stars, movie stars, talk-show hosts and television identities replace politicians, teachers, explorers and activists as the people who are seen as heroes,” she said.

Nevertheless her book sees the rise of girl heroes as cause for celebration.

“Thankfully, the modern girl is no longer prepared to admire famous men in the manner of a devoted disciple,” she said.

“Girls are more inclined to look to other women for images of power, success and fulfilled ambition.”

Girl Heroes comes to the conclusion girls are more ambitious than ever and that fame may have replaced romance as the dominant fantasy in mainstream girl culture.

“I wrote my thesis on pop heroines and the book developed from there,” Dr Hopkins said.

“I started out writing a thesis about strong women in pop and ended up writing a book about celebrity and the simulation of politics in pop.”

Dr Hopkins is the author of articles on popular culture, youth culture and youthful femininity.

She specialises in sociology and communication and has research interests in youth culture, popular music and feminine subjectivities.

She has written for The Courier-Mail, The Sydney Morning Herald and The Age.

Paint-Up: Amanda Ahern and the Mornington Island Elders

“Paint-up!” is the cry that goes out to the community, calling everyone to gather and prepare for dance ceremonies; to paint the age-old symbols on the dancers’ bodies for corrroboree.

When Amanda Ahern, anthropologist and visual artist, landed a job as Arts Initiatives Director on Mornington Island she became fascinated by this ritual and the stories that inspired it.

This is the first publication to describe in drawings, photographs and stories the unique geography of the Top End and the rich traditions of the Muyinda ancestors.


Widely known as Australia’s nature poet, Anthony Lawrence writes in luminous language capturing the arresting originality of Australian fauna, land and sea-scapes.

This collection, spanning 1989–2002, encompasses the rich beauty of the natural environment.

It also explores what lies at the very heart of the human condition. Skinned by Light is a collection of a significant number of recent poems, combined with poetry taken from seven of Mr Lawrence’s publications which are no longer in print.
Concerts, special lectures and seminars, University events of general interest and information about visiting academics and dignitaries is published in this section. Entries, including date, time, school/section and details of the event or visitors, along with a contact name and telephone number, should be emailed to j.vanzeeland@uq.edu.au

Friday, October 4 – Saturday, October 5
UQ Business School. Knowledge, Innovation and Performance in Work Teams, Prof John Corderoy, University of Western Australia (Kathleen Room, UQ Staff and Graduates Club). For details, telephone 07 3365 6963.

Saturday, October 5
School of Law, Protecting Business Goodwill, Ross McNab (Customs House, 399 Queen St). For details, telephone 3365 1492.

Sunday, October 6
Friends of Antiquity, Spartacus, Don Barrett (2pm, Room 816, Michie Bldg).

Monday, October 7
Centre for Critical and Cultural Studies, Women in Media and Cultural Studies, A/Prof Catharine Lumbry, Dr Simone Murray (5.30pm, Conference Room, Social Sciences and Humanities Library).

Wednesday, October 9
School of Engineering, Porous Elastic Seabed Response to Waves, Dong-Sheng Jeng (4pm, Room C406, Hawken Engineering Bldg).

Centre for Critical and Cultural Studies, It Feels Real. Teenage Girls Talk About Big Brother, A/Prof Catharine Lumbry (2pm, Conference Room, Social Sciences and Humanities Library).


Friday, October 11
School of History, Philosophy, Religion and Classics, God’s Tribunal: Guilt, Innocence and Execution in Early Modern England, Andrea McKenzie (10am, Room 619, Gordon Greenwood Bldg).

School of English, Media Studies and Art History, The Death of Porous Media, Dr Deliana Gabeva (4pm, Room C406, Hawken Engineering Bldg).

School of Political Science and International Studies, Monarchy in C18th: An Examination of Handel’s Coronation Anthems, A/Prof Paul Reynolds (3pm, Room 537, GPN3 Bldg).

School of Languages and Comparative Cultural Studies, Intercultural Communication, Prof Roly Sussex (3pm, Room 537, GPN3 Bldg).

Wednesday, October 16
School of Engineering, Modelling of Baby Shaking Syndrome, Zac Couper (4pm, Room C406, Hawken Engineering Bldg).

Thursday, October 17
Centre for Critical and Cultural Studies, The Culture of Genetic Engineering and the Marginalising of Open Debate. Rationales for a Post-Normal Approach, Dr Richard Hindmarsh (5.30pm, foyer, Mayne Hall).

School of Journalism and Communication, Death of Journalists, Birth of Novelist, David Conley (3pm, Seminar Room 1, Journalism Annex).

Friday, October 18
School of English, Media Studies and Art History, A Penny for Your Thoughts: Early Australian Theatrical Postcards and Their Cultural Outreach, A/Prof Veronica Kelly (1pm, Room 540, Michie Bldg).

School of Psychology, The Development of Temporal Understand-ing in Young Children, Jani Busby (3.30pm, Room 304, McEwan Bldg).

School of Biomedical Sciences, Capture that Expression: Mechanisms of Human Alcoholic Brain Damage, A/Prof Peter Dodd (1pm, Room 305, Skerman Bldg).

School of Social Work and Social Policy, Regionalisation, Health and Aged Care, Jill Brown (12 noon, Room 124, Colin Clark Bldg).

Tuesday, October 22
Australasian Centre on Ageing, Assuring Quality in Residential Aged Care Facilities: Clinical Indicators, Professor Mary Courtney, Queensland University of Technology (7.30am, Aged Care Queensland Inc.) For details, telephone 07 3346 9084.

Wednesday, October 23
School of Engineering, Macrosedimentation and Contaminant Transport Modelling in Random Porous Media, Dr Deliana Gabeva (4pm, Room C406, Hawken Engineering Bldg).

School of Social Work and Social Policy, The Health Benefits of Improved Housing: Research Methods and Performance Indicators, Prof Peter Ambrose, Brighton University (2.30pm, UQ Grandstand, Sir William MacGregor Drive).
Thursday, October 24
Centre for Critical and Cultural Studies, Displaying the Future in Japan, Dr Morris Low (2pm, Conference Room, Social Sciences and Humanities Library).

Friday, October 25
School of History, Philosophy, Religion and Classics, Horrible History: The Occupational Hazards of Historians, Dr Robert Cribb (10am, Room 619, Gordon Greenwood Bldg).

School of English, Media Studies and Art History, Metamorphoses of the Map, Peta Mitchell (1pm, Room 540, Michele Bldg).

School of Psychology, thursday, Prof Mike Corballis, University of Auckland (3.30pm, Room 302, McElwain Bldg).

School of Political Science and International Studies, Religious Government, Prof Wayne Hudson, Griffith University (3pm, Room 537, GPN3 Bldg).

School of Social Work and Social Policy, Class-based Patterns of Family Formation and Organisation: Locational Diversity Among Australian Families, Luisa Nocella (12 noon, Room 124, Colin Clark Bldg).

Saturday, October 26
School of Law, Medical Insurance Crisis – What are the Answers?, Medico-Legal Conference (Hyatt Regency, Sanctuary Cove). For details, telephone 07 3365 4741.

School of Law, Copyright in Functional Works, Dr Gillian Dempsey (Customs House, 399 Queen St). Free admission.

School of Music, Magnificat, by UQ chamber choir Concentus (2.15pm, St Stephen’s Cathedral, Elizabeth St). Free admission.

Friday, September 27
School of Music, Opera Workshop #1 (6pm, Mayne Hall). Tickets at door, UQ students free.

Saturday, September 28
School of Music, Opera Workshop #2 (7.30pm, Mayne Hall). Tickets at door, UQ students free.

Sunday, September 29
School of Music, Prize-winners Concert (11.30am, Long Room, Customs House, 399 Queen St). Free admission.

Tuesday, October 29
Physics Museum, Microscopes, Windsor Davies (6pm, Room G.77, Parnell Bldg).

CONFERENCES
Friday, October 4 – Sunday, October 6
School of English, Media Studies and Art History, In Progress: An Interdisciplinary Postgraduate Conference. For details, telephone 07 3365 4741.

Friday, October 11
School of Social Work and Social Policy, Social Inclusion and the “New Regionalism”: The Next Steps, A Prof Al Rannine, Monash University; Dr Brendan Shaw, Office of Shadow Federal Minister for Innovation, Industry, Trade and Tourism; Prof Collette Taylor, Queensland University of Technology; and Dr Brendan Gleeson, University of Western Sydney (9am-4.30pm, Playhouse Auditorium, The Women’s College). For details, telephone 07 3365 3450.

Monday, October 14
Distributed Systems Technology Centre, Introduction of the .Net Framework (Level 12, S Block, Queensland University of Technology Gardens Point). For details, telephone 07 3365 4310, training@dsc . qut.edu.au

EXHIBITIONS
University Art Museum: Architecture Exhibition: Andrew Wilson until Saturday, November 23 (Level 5, Forgan Smith Tower, Tuesday to Friday 10am-4pm, Saturday 12 noon-5pm).

CONCERTS
Thursday, September 26
School of Music, Fiddlers Festival (12.30pm, Nickson Room, Zelman Cowen Bldg).

Friday, September 27
School of Music, Opera Workshop 91 (6pm, Mayne Hall). Tickets at door, UQ students free.

Saturday, September 28
School of Music, Opera Workshop 92 (7.30pm, Mayne Hall). Tickets at door, UQ students free.

Sunday, September 29
School of Music, Prize-winners Concert (11.30am, Long Room, Customs House, 399 Queen St). Free admission.

Friday, October 4
School of Music, Concentus Sings Contemporary (7.30pm, Mayne Hall). Tickets at door, UQ students free.

Thursday, October 10
School of Music, Ensemble En Vogue (12.30pm, Nickson Room, Zelman Cowen Bldg).

Thursday, October 17
School of Music, Brass Ensemble Recital (12.30pm, Nickson Room, Zelman Cowen Bldg).

Wednesday, October 23
School of Music, Chamber Music Recital (6pm, Long Room, Customs House, 399 Queen St). For details, telephone 07 3365 3503.

Sunday, October 27
School of Music, Chamber Music Students (11.30am, Long Room, Customs House, 399 Queen St). Free admission.

Dr Robert Coelen

The University has welcomed Dr Coelen as International Director. He will head the International Education Directorate (IED).

The IED assists the faculties by providing strategic advice and assistance for the recruitment of international students and the development of international relationships. It also provides a major function in processing applications of international students.

Dr Coelen was Director of International Programs at James Cook University from 1997 and oversaw the consolidation of international activities including the development of the JCU International Student Centre.

He said he was looking forward to working with the faculties and there were two tasks in particular the Directorate should work towards.

“Firstly I am hopeful that we can increase the number of international students, and secondly that we can increase the intake standard of these students,” he said.

Dr Coelen has held a number of academic posts including Associate Dean for Biomedical Sciences at James Cook University and Senior Research Officer at the University of Western Australia where he earned his PhD. With his particular background, Dr Coelen said he was able to understand the importance of international students to UQ while also realising the needs of the academic faculties.

Professor Peter Lindsay

Professor Lindsay has been selected to serve as the Boeing Chair of Systems Engineering. Currently Deputy Director of UQ’s Software Verification Research Centre, he is a leading authority in risk-analysis and software-based systems integrity.

Awarded his PhD in mathematical logic from the University of Illinois in 1984, he graduated with a Bachelor of Science (honours) in mathematics from the University of Melbourne in 1979 and a Master of Science in pure mathematics in 1981.

Professor Lindsay was selected from a competitive field of international candidates. He will take on a key leadership role in developing teaching and research in systems engineering – one of the few such programs in Australia. Boeing provided $1.55 million to fund the UQ Chair.

Professor Perry Bartlett

Professor Bartlett has been appointed Foundation Chair in Molecular Neuroscience. The internationally renowned neuroscientist and brain stem cell researcher will continue his groundbreaking research into the characteristics and function of stem cells in the adult brain.

This research could ultimately provide the key to repairing damaged or diseased nerve cells and resolve questions of how memory and learning are regulated by nerve replacement.

Professor Bartlett has published more than 170 papers in science and medical journals. He is currently Head of the Development and Neurobiology Group at the Walter and Eliza Hall Institute in Victoria.
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