

Lumen

SUMMER 2011

Global focus
on forests

LIFE IMPACT - THE UNIVERSITY OF ADELAIDE

LUMEN - The University of Adelaide Alumni Magazine
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The University of Adelaide Alumni Magazine



THE UNIVERSITY OF ADELAIDE

The *Lumen* masthead is derived from the University of Adelaide motto “Sub Cruce Lumen” – the light (of learning) under the (Southern) Cross.

Studying at the University of Adelaide means being part of a rich tradition of excellence in education and research, with world-class academics and a vibrant student life.

Our graduates make an impact on the world. **Life Impact.**



THE UNIVERSITY
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Message from the Vice-Chancellor

Australian higher education is facing a period of rapid change and expansion with government reforms aiming to increase the proportion of 25-34 year-old Australians with bachelor level qualifications to 40% by 2025. The scale of the increase in student demand, and wider diversity in the student body, means that the one-size-fits-all policy framework inherited from the Dawkins reforms has outlived its usefulness.

The students of the future need a broad range of study options offered by different types of institutions.

There are many examples from around the world of universities that have intensive teaching environments, and many countries where private universities (whether or not they are operating on a profit basis) play a large and expanding role.

You have to wonder why we couldn't do that in Australia. If we did, there would be no requirement to fund every university for research which, even today, many of them don't do as they simply haven't the capacity or inclination. In reality, competitive research income accounts for less than 10% of total income at a third of all Australian universities, while at the University of Adelaide, for example, it accounts for more than 35%.

There are two ways to address this situation. We could perpetuate the notion that all of our universities need to have extensive research activities. This would demand a huge injection of funds into the expanding system. Or we could simply say that universities are not required to undertake research and recognise that different institutions have different purposes.

We should be able to have research intensive AND teaching intensive universities in the one higher education system. Students would still get the same quality of education. It would be different but not necessarily superior or inferior.

Universities are not all the same, nor can they be. The concept of everyone engaging in research, as espoused by Humboldt in the 19th century, is no longer relevant as we have moved from a very elite system to one of mass education where knowledge itself is no longer controlled and safeguarded exclusively by universities and their libraries.

The future can be a high quality system in which different institutions do different things well.

Both research and teaching deliver enormous social and economic benefits to the nation as demonstrated by a range of economic assessments. It is vital that we have a flexible and responsive system to maximise those benefits.

As alumni of one of Australia's and the world's most renowned research-intensive universities, you play an important role in shaping the future of the University of Adelaide. As such, I encourage you to engage in the broader public discussion on the kind of higher education sector we would wish for the next generation.

JAMES A. McWha
Vice-Chancellor and President

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Front cover image:
Professor Andrew Lowe
Photo: Michael Mullan



Trees for life

Extracting DNA from timber

With 2011 declared the International Year of Forests by the United Nations, the world's attention will be focused on conservation efforts in this area – much of it involving the University of Adelaide. Candy Gibson reports.

In the past year, Professor Andrew Lowe has spent 17 weeks away from home. In 2010, the evolutionary biologist criss-crossed the world, visiting four continents to monitor progress on a number of forest-related projects.

At last count, he was managing more than \$8 million worth of research grants on the domestic front and juggling a range of international roles, including the Chair of the International Union for Forestry Research Organizations (IUFRO).

It's a punishing schedule but the results speak volumes.

In 2010, Professor Lowe (pictured left) and his University of Adelaide colleagues at the Australian Centre for Evolutionary Biology and Biodiversity (ACEBB) embarked on an international project to develop a DNA barcode for every tree and grass species on earth.

The Barcode of Life projects (called TreeBol and GrassBol) are massive undertakings and will take years to complete, but the information will revolutionise the way we can manage our ecosystems around the globe, Professor Lowe says.

"Our aim is to generate a unique DNA fingerprint for every single species, which will help us to not only identify critically endangered species and make a biodiversity assessment, but also track illegally logged timber, which is a world first."

Professor Lowe's team is working with a Singapore company, Double Helix Tracking Technologies, to develop the first DNA check of timber in the world.

State Herbarium molecular biologist Dr Hugh Cross and two PhD students

from the ACEBB are extracting DNA from individual splinter samples to trace the origins of their parent tree on the other side of the world.

"Using DNA bar code markers, we can work out whether it is endangered, or a more commonly occurring species that you can trade. We will then build up a DNA profile for logging concessions," Professor Lowe says.

The Singapore company is attempting to get this wood tracking method adopted by the federal government, which pledged during its last election campaign to crack down on illegal timber imports.

About 10% of the Australian imported wood market is also flooded with illegally traded timber, which has been cut down outside designated logging areas, or outside agreed environmental controls.

This new technology has the ability to change the global forestry trade by precisely identifying the source of each log in a batch shipped through a customs point.

"It is the same type of analysis applied to human DNA for criminal fingerprinting," Professor Lowe says.

Up to eight PhD students and three postdoctoral researchers from the University of Adelaide are working on forest-related projects in different parts of the world.

These projects include collecting samples from up to 1000 tree species in Papua New Guinea for DNA bar coding; analysing both cleared and intact forests in Costa Rica to determine their respective seed pool diversity; and looking at the evolutionary history of the 20 most important tree species across Central and South America to develop conservation guidelines. ►

The latter project involves constructing a genetic map of tree species in Latin America and interpreting their evolutionary history.

“Major geological changes, such as the meeting of North and South America following the break up of Gondwana and Laurasia 80 million years ago, the formation of the Panama Isthmus five million years ago, and the rising of the Andes mountain range 10 million years ago have coincided with major climatic changes.

“Forests in these regions have expanded and contracted over this period, with some species dramatically altering their distribution because of those geological and climatic events,” Professor Lowe says.

The ACEBB has recently been awarded a \$7.5 million Federal Government grant for its research and is currently bidding for an additional \$12 million to employ up to 30 scientists to undertake a broad scale ecological and DNA barcoding survey across Australia.

This ambitious project will involve DNA barcoding about 1500 ecological sites across Australia, from sparse woodland through to dense rainforest, to develop conservation strategies for those ecosystems in decline.

Professor Lowe says the preservation of forests has to be a global endeavour, requiring a group effort.

While it is difficult to attract goodwill across all nations for these projects, many countries really value their forestry assets, particularly if they are strongly linked to tourism.

He says the most obvious way forward is a system which places an economic value on forests and the services they provide.

“We need to start operating within an economic framework by providing carbon and biodiversity credits for forests and valuing the ecosystem services these habitats provide, while also emphasising their ecotourism potential and their critical value to the whole ecosystem.

“How much would it cost to purify the air and water that forests do naturally? Billions of dollars,” he argues.

“I would hope that 2011 – being the International Year of Forests – will focus the world’s attention on this area, attracting more funding and awareness of the need to preserve them,” Professor Lowe says.

Marine forests under



threat from urban catchments

While most people think of forests as 'above ground' habitats, the marine environment hosts one of the most dynamic and productive ecosystems on earth.

Kelp forests provide a unique, three-dimensional habitat for marine organisms, as well as regulating many ecological processes.

Marine biologist Associate Professor Sean Connell is overseeing a project at the University of Adelaide to halt the erosion of kelp forests closer to home – South Australia's coastline.

Stormwater and wastewater discharge, overharvesting and global warming have directly led to the loss of up to 70% of kelp forests off Adelaide's metropolitan coastline since urbanisation.

The loss of the brown algae, which is an important habitat for fish and other marine organisms, has implications for the whole marine food chain in St Vincent's Gulf.

Dr Connell says the world's longest east-west coastline runs through South Australia and is a global 'hot spot' for marine biodiversity.

"This coast faces the Southern Ocean and is home to the Great Australian Bight, which has 120 islands, two massive gulfs, and an astonishing diversity of marine life," he says.

"But run-offs from urban catchments have had a substantial influence in what we see under water. Up to 70% of the algae canopy has disappeared."

Thanks to a collaborative effort between University of Adelaide scientists and the South Australian Government, however, research is being undertaken to find out how to bring these forests back to life.

Initiatives to reduce the flow of Adelaide's stormwater and wastewater out into the ocean will see marked improvements in marine nutrient levels, allowing kelp forests to re-establish.

"We are bringing back kelp forests through improving water quality and reducing nitrogen levels," Dr Connell says.

"This is a world-class example of how research and management can reverse the loss of our kelp forests, which are so critical to our marine ecosystem."

Postdoctoral researcher Daniel Gorman, who has a PhD from the University of Adelaide, is currently working off the coast of Brittany in France, developing a predictive model of kelp forest distribution.

"These kelp forests along Brittany's coastline are extremely productive habitats that support high levels of biodiversity," he says.

Dr Gorman's work with the French Research Institute for Exploitation of the Sea will provide more accurate information to map the distribution of kelp forests within the world's oceans.

"There is increasing concern that these sub-tidal forests are disappearing along the world's urban coastlines," Dr Gorman says. "By developing some cost-effective programs, we can monitor the influence of environmental factors on kelp and manage the potential impacts before loss occurs.

"The objective is to develop a broad-scale model for predicting forest distribution which can be tailored to a range of locations, regions and biological communities."

Marine ecologist Dr Andrew Irving completed his PhD at the University of Adelaide and has since worked in the USA, the Galapagos Archipelago, Italy and Croatia to help rehabilitate degraded coastal environments.

In 2008, while in Italy, Dr Irving researched declining underwater forests of the seaweed *Cystoseira barbata*, which provides an important habitat for Mediterranean marine life.

"Elevated sedimentation is one of the biggest threats to seaweed forests, so if we can combine reductions in sedimentation along the coastline with transplants of cultured juvenile seaweed, that will go a long way towards helping to restore the lost forests," Dr Irving said. ►



“There is increasing concern that these sub-tidal forests are disappearing along the world's urban coastlines.”

Above: Examples from Adelaide's coastline of a healthy marine habitat and one that has been severely eroded.

Left: Dr Daniel Gorman pictured off the coast of Brittany in France.

Malaysian scientist a green trailblazer

When it comes to saving the world's forests, Malaysian scientist Tan Sri Dr Salleh Mohd Nor has probably done more than any other University of Adelaide graduate in the past 50 years.

The Colombo Plan scholar, who obtained a Bachelor of Science (Forestry) in 1964, is internationally renowned for his research work in tropical forests, particularly in the Asia Pacific region.

Since the late 1960s, when he oversaw Malaysia's first ever national forest inventory and was later appointed the Director-General of the Forest Research Institute of Malaysia (FRIM), Dr Salleh has campaigned tirelessly for the conservation of forests, winning numerous awards along the way.

"Forests are amazing places. They are peaceful, safe, pristine, uplifting, and so essential to our ecosystems and our lives," he says.

Dr Salleh's major contributions to forestry management include his role in creating a number of national parks in Malaysia; development of national policy on land use and forest conservation; and making governments accountable for actions that are not environmentally friendly or sustainable.

In a career spanning more than four decades, he developed FRIM to become the top tropical forest research organisation in the world, winning various awards, including the National Science Award.

In the 100-year history of the International Union of Forestry Research Organizations (the global umbrella organisation for world forestry research), Dr Salleh was the first president from outside USA and Europe. Dr Salleh was also instrumental in forming the Asia Pacific Association of Forestry Research Institutions (APAFRI), and was a member of numerous boards and committees of various global organisations.

Even in retirement he continues to consult on forestry management and the



“Forests are amazing places. They are peaceful, safe, pristine, uplifting, and so essential to our ecosystems and our lives.”

environment and heads up Malaysia's only approved private contract research company, TropBio Research Sdn Bhd.

"There are so many challenges facing the forestry industry, particularly with new issues of climate change and loss of biodiversity," he says.

"It's important that we conserve our natural heritage in its pristine state and one of the most effective ways we can do this is to ban the production of all forms of greenhouse gases and plastic.

"We must also phase out logging of our natural forests because they have greater value as water catchments and for conserving our biodiversity.

"As for our long-term timber needs, trees can be grown as plantations and research by FRIM has shown that rubber wood and oil palm trunks are good timber substitutes, as well as being fast-growing tree species " he says. ■

Above: Tan Sri Dr Salleh Mohd Nor.
Photo courtesy of *The Star*, Malaysia

2010 Vice-Chancellor's Scholarships Recipients:

Kathryn Grocke

Bachelor of Medicine and Bachelor of Surgery

First-year medical student Kathryn Grocke grew up on her family's fourth-generation farm north of Adelaide and attended Faith Lutheran School in Tanunda.

She described her Vice-Chancellor's Scholarship as a huge support during her first year at university.

"Relocating to the city is a big move for most country students and having the backing of a VC's Scholarship has made the experience much less daunting," she said.

"It has enabled me to settle into university and focus on my studies by removing some of the worry about financing accommodation, textbooks, lab coats and stethoscopes."

Kathryn is keen to return to a rural community to practise medicine after completing her degree.

"To me, studying medicine offers the right balance of head and heart – it has both the intricacies of science and the opportunity to work compassionately with people and improve their quality of life," she said.

Peter Pham

Bachelor of Engineering (Mechatronic) and Bachelor of Mathematical and Computer Sciences

Peter Pham is studying for a double degree in Mechatronic Engineering, and Maths and Computer Science at the University of Adelaide.

The former Christian Brothers College student hopes to pursue a career working with robots and has no doubts that the Vice-Chancellor's Scholarship has given his university studies – and career – a significant boost.

"Receiving the Vice-Chancellor's Scholarship has had a great impact on my life," Peter said.

"It is nice to not have to worry about university fees, and my parents are also very proud and thankful."

Peter is from a non-English speaking family, with both his parents caring full-time for his ill sister.

"This scholarship has helped me and my family immensely, and we are sincerely thankful for the generosity shown to us through the Vice-Chancellor's Scholarship Appeal," he said.

Vice-Chancellor's Scholarships are valued at \$5000 per year for the program of study. Recipients are selected on academic merit and financial need, with at least one scholarship each year awarded to a student from a rural or remote area.

More than 650 people have given to the University of Adelaide's annual appeals over the last 12 months. If you were among these generous donors, please take a moment to look for your name on our acknowledgement web page at www.alumni.adelaide.edu.au/donors

To find out more about the 2011 Vice-Chancellor's Scholarships Appeal, or to make a donation, visit:

www.alumni.adelaide.edu.au/vcs_appeal



Students value A HELPING HAND

Two promising University of Adelaide first-year students can vouch for the impact a scholarship can have on a young life.

Kathryn Grocke and Peter Pham are this year's recipients of the prestigious Vice-Chancellor's Scholarships.

Funded entirely by donations from alumni and the University community, the scholarships support outstanding students who experience geographic and/or financial disadvantage for the duration of their degree.

Kathryn and Peter bring to nine the total number of students at the University of Adelaide currently supported by Vice-Chancellor's Scholarships – a figure that pleases the Vice-Chancellor and President, Professor James McWha.

"Since it began in 2003, we have offered 18 Vice-Chancellor's Scholarships

to worthy students who have been faced with financial obstacles to study," he said in launching the 2011 Vice-Chancellor's Scholarship Funds Appeal.

"Nine of these students are still studying for their undergraduate degrees at the University, and next year this number will rise to 11.

"We want the best and brightest students to attend the University of Adelaide and the Vice-Chancellor's Scholarships give these students the opportunity to do this, regardless of their backgrounds." ■

Story by Ben Osborne

Above: Kathryn Grocke and Peter Pham with Vice-Chancellor and President James McWha.

Photo by John Hemmings



A life of

On 26 July 2010, the Hon. Robert Hill became the 15th Chancellor in the University of Adelaide's 136-year history.

An Adelaide graduate in Law (1968) and Arts (1983), Mr Hill has had a distinguished career, most notably in politics as a Senator for South Australia. He served in the Ministry of the Howard Government and spent 10 years as the Leader of the Government in the Senate. Following his retirement from politics in 2006, he was appointed Permanent Representative of Australia to the United Nations, based in New York, until 2009.

Mr Hill spoke with *Lumen* about his ties with the University and his life of public service.

public service

Q What do you remember most about your time as a student here?

A I came straight from school to be a Law student. It was an important part of my growing up experience. Starting at university with all its social interactions was new to me; it was an exciting period in my life but I probably was more motivated by the social side than the educational side.

In my second and third year I lived at St Mark's College, which added another dimension to my university experience – it was the first time I had moved out of home.

I came back here whilst I was practising Law to do an Arts degree that focused largely on international politics and Asian history, because they were my areas of interest. My motivation to be here was very different, and coming in as a mature-age student as opposed to a young person just out of school led to a very different university experience. In Asian history there were some very good, inspiring teachers. That was a good educational experience.

Q How important is the overall 'campus life' experience for students, in addition to their teaching experience?

A I think it's very important. University is not simply what's being communicated in the lecture theatre, it's also about how people learn to relate to each other and to think about life's challenges.

Q How has the University of Adelaide changed since your student days?

A It's a much bigger institution. Today there are many more students, it's much more internationalised – having nearly 30% international students makes it different. When I was here as an undergraduate there were not many international students. Most of them were studying under the Colombo Plan, and a lot of those students were living at St Mark's.

The campus today is an evolved version of what it was during my student days. The current concepts of 'learning hubs' are very different from my day and I think it's a very positive innovation. Apart from when we were in a library or even a lecture theatre, our social activity was totally distinct from our educational activity, whereas I think the way it's integrated today is a very healthy thing.

Q How has being a graduate of the University of Adelaide impacted on your career?

A It was the cornerstone of my professional career as a barrister and solicitor, but from the point of view of my political career, both the legal training and the international affairs education have been critically important.

Q If you were to choose a couple of your biggest achievements in your career, what would they be?

A My six years as Environment Minister were challenging and exciting because the environment portfolio was still evolving, the laws that I was sponsoring were new laws for Australia, a lot of the concepts were new, the language was new, and the progress we made in a whole range of areas in that portfolio was rewarding to me.

Being Minister for Defence was clearly a big responsibility and it was intellectually and politically challenging. It was at a particularly demanding time because we had deployments to Timor, Afghanistan, Iraq and to the Solomon Islands, so it was one of the busiest periods for defence in Australia's short history.

Serving as Australia's voice in the United Nations in New York was another great privilege, and to try to influence events in an organisation made up of 192 nation states is very challenging.

Q What does it mean to you to become Chancellor of your *alma mater*?

A I see it as a continuation of what I hope has been a life of public service. The University plays a very important role in the lives of more than 22,000 students, so if I can contribute from a governance perspective to the University being as good as it can possibly be, and as relevant as it can possibly be, then that's something worth doing.

Q How important is an international experience, both for students from Adelaide and for those who come here to study from other countries?

A It's extraordinarily important. We live in a globalised world and it's a shrinking globe in many ways. Australia needs to think globally, Adelaide needs to think globally, and the University of Adelaide needs to think globally.

I think of it not only from the perspective of Australian students here at the University, but I see an equal responsibility to the students we are attracting from overseas. They become very important bridges between our nation and their home countries, so we want their time here to be a rich and rewarding experience, not only in education but beyond the education.

Q You are currently Chair of the Australian Carbon Trust Ltd (appointed to this role by the Prime Minister). What role do you see universities playing in the big issues that impact on society, such as climate change and sustainability?

A The issue of sustainability and the management of natural resources, whether they be local resources or global resources, is one of the great challenges of our time and education is a critical tool. A lot of the mistakes that have been made in terms of the management of natural resources have been made out of ignorance; education becomes an essential step towards building a more sustainable society.

The tools towards sustainability require extensive research and innovative development and I think universities, and this University, are a very important part of that. If you look at the big challenge of climate change, the key issue is to separate economic growth from carbon growth, and that requires technological change, innovation and research.

This University has played a key role in agriculture in particular – you can't really talk about climate change without addressing the issue of food security.

Q Anything else you would like to say?

A I think the strength of this institution is related to an extent to the willingness of its former students to continue to support the institution in one way or another – even if it's just to continue to see themselves as a part of the University community. The University is making a greater effort to recognise that community; that's a very healthy thing and it will lead to a stronger institution in the future. ■

Story by David Ellis

Left: The Hon. Robert Hill.

Photo by John Hemmings

Stepping up to the plate

Feeding the world is becoming a greater issue than ever before, but a new research institute at the University of Adelaide is rising to that challenge.

The legacy of South Australian pastoralist Peter Waite has been reaffirmed with the recent establishment of the Waite Research Institute at the University of Adelaide.

Peter Waite (1834–1922), one of the most important benefactors in South Australia's history, was the man responsible for laying the foundations of what would become one of the world's greatest agricultural science precincts, at Urrbrae in the Adelaide foothills.

In a letter to the then Premier of South Australia in 1913, Waite wrote: *"We have now reached a point when it behoves us to call science to our aid to a greater extent than hitherto has been done, otherwise we cannot hope to keep in the forefront."*

Waite gave the University of Adelaide a generous bequest of 300 acres of land at Urrbrae, as well as his beloved Urrbrae House, for "agricultural and kindred studies". His gift led to the establishment of the Waite Agricultural Research Institute in 1924, which quickly developed into a world-class research facility that attracted other non-University organisations to establish research activities on the site.

Today, these partners include CSIRO, the South Australian Research and Development Institute, the Australian Wine Research Institute, Australian Grain Technologies Pty Ltd and the Australian Genome Research Facility.

Now known as the Waite Campus of the University of Adelaide, 'the Waite' – as it's often referred to – is Australia's leading research, education and commercialisation precinct for agricultural science. Collectively, the University and its co-located partners have more than 1000 staff and postgraduate students and an annual research income of more than \$120 million.

The Waite Research Institute, launched earlier this year, is one of the new institutes

aimed at capitalising on the University's research strengths. With world-leading researchers, modern infrastructure and an innovative culture, these institutes have been established to tackle State, national and global research priorities.

The truth in Peter Waite's words – the need to "call science to our aid" – has never been greater, according to the Director of the Waite Research Institute, Professor Roger Leigh.

"Global food security is a massive challenge," Professor Leigh said.

"Food security is threatened by a unique convergence of climatic, environmental, economic and sociological issues.

"With the world's population expected to grow to 9.1 billion by 2050, to sustain all of these people we will need to produce at least 60% more food. That means productivity will have to increase significantly. Farmers will have to manage natural resources more efficiently and with minimal impact on the environment. This is a huge challenge, but we believe it is a challenge that can be overcome."

Professor Leigh said the Waite Research Institute would support new research that will underpin future food production and would address these issues "from paddock to plate". To do so, it will work in partnership with other organisations locally, nationally and internationally.

"The Waite Campus is already internationally recognised for research of the highest quality, focused on innovative solutions for improving agricultural systems," said Professor Leigh, who is a former Professor of Botany at the University of Cambridge.

"But as smart as we currently are in agricultural science and production, we must become even smarter to help overcome the major threats to production.

"Australian farmers currently produce almost 93% of the nation's daily domestic food supply, and they export 60% of their total agricultural production. Figures show that Australian production represents 1% of all food consumed in the world, feeding some 40 million people each day outside Australia. But we will need to do more, and we will need to help show the rest of the world how to increase production, and do it in a sustainable way."

Professor Leigh said outcomes of the Waite Research Institute's work would include improved farming practices, new plant varieties better able to cope with climate change and disease, more nutritious food, improved profitability for farmers, and a decreased environmental footprint for agriculture.

"We have leading researchers in areas such as plant and pest biology, plant genetics and breeding, integrated farming systems, soil science, food science, wine science, agronomy and agricultural economics," he said.

"The depth and breadth of skills that the partners collectively have makes the Waite Campus the envy of many universities around Australia and the world. We are uniquely set up to tackle the challenge of future agricultural production head on," he said. ■

A video prepared for the launch of the Waite Research Institute can be viewed at www.youtube.com/watch?v=Qw6CjpZMbnk

Story by David Ellis

Right: Plant researchers at the Waite Campus (from left) Annette Boettcher, Lee Farrand and Tamara Zerk.

Photo by Randy Larcombe



KIMBERLEY'S STELLAR CAREER

Australia's space industry was given a huge boost with the 2009–2010 Federal Budget announcement of a \$40 million Australian Space Research Program – the first such funding for nearly two decades. Graduate Dr Kimberley Clayfield helped make it happen.



The Australian space industry owes a vote of thanks to writers Anne McCaffrey and Orson Scott Card.

Science fiction created the spark which turned Dr Kimberley Clayfield towards studies and research in engineering and then a career in space industry policy.

"My real passion is space, which I think in large part is due to the many science fiction books I read when I was younger, but I was also inspired by astronomy lessons in my high school science classes and I'm still fascinated by deep space exploration," said Dr Clayfield, who graduated with Honours in Mechanical Engineering in 1999 and a PhD in 2005.

"My degree helped link my interest in space and science with professional skills that could potentially be applied to many different space-related applications."

Those skills and a deepening interest in space policy development led Dr Clayfield to a role with the Department of Innovation, Industry, Science and Research in the Advanced Manufacturing and Space Policy section. She then moved to her current role as Executive Manager of Space Sciences and Technology within CSIRO's Astronomy and Space Science Division.

They also led to her being named by Engineers Australia as one of Australia's Most Inspiring Young Engineers in 2010.

In the citation, Engineers Australia described Dr Clayfield as "an inspiration to her fellow engineers".

"She has moved from research into the realms of federal space industry policy to become a leader of space-related activities within Australia's premier national scientific and industrial research organisation, CSIRO," said Engineers Australia.

Dr Clayfield played a key role in the development of the 2009 policy proposal to Federal Cabinet which resulted in the establishment of the \$40 million Australian Space Research Program, a four-year competitive funding program to support the development of Australian space capabilities.

This was the first dedicated funding for the space sector since the early 1990s, and it has provided vital stimulus to the national space industry and raised awareness among policy-makers of the importance of space technology in today's society.

In her current role at CSIRO, Dr Clayfield co-ordinates and supports the

organisation's space science activities, which include earth observation satellites, radioastronomy, and advanced space-related technologies and applications.

She also facilitates CSIRO's engagement in space policy and education, liaising with domestic partners including government, universities and industry, and with the international space community.

Dr Clayfield was recently awarded the CSIRO Chief Executive's Study Award, enabling her to complete an Executive MBA through the International Space University, based in France.

She is optimistic about the future of Australia's space sector.

"One of Australia's key space-related capabilities is in using satellite-derived earth observation data to generate information about the environment – for applications including weather forecasting, carbon accounting, water and other natural resource monitoring, minerals exploration, and disaster management," she said.

"Australia produces some world-leading science in this area and, at the moment, one of the main focuses for me is enhancing and leveraging CSIRO's and Australia's earth observation capabilities to provide maximum national benefit into the future, including enhancing our involvement in the international space community."

A further key opportunity for Australia is its involvement in the international Square Kilometre Array project, a €1.5 billion (\$2.1 billion) radio-astronomy facility that will be one of the most ambitious global science projects ever realised.

"CSIRO leads the Australia–New Zealand involvement in the project, and I am looking forward to getting more involved in this incredibly exciting science project in the next few years," Dr Clayfield said.

Another of Dr Clayfield's passions is science education. She keeps in regular contact with the University's School of Mechanical Engineering and is "very pleased" with the growth in aerospace engineering over the past few years.

She is the Program Director of two annual residential programs for high school students: the South Australian Space School – a three-day program for Year 10 students from around South Australia – and National Space Camp Woomera – a five-day program for Year 11 students from all over Australia.

"Each program generally takes about 40 talented and enthusiastic students and shows them a sample of some of the fascinating space-related science and technology being undertaken in Australia," she said.

"If Australia is to continue to be the 'clever country' and make world-class contributions in science, engineering and technology, we need to encourage children to understand and love science and maths, and to pursue careers that use these skills," she said.

"Using space as a medium for applying science and maths is a great way to interest and inspire young people." ■

“My degree helped link my interest in space and science with professional skills that could be applied to many different space-related applications.”

Story by Robyn Mills

Left: Dr Kimberley Clayfield at the Canberra Deep Space Communication Complex, managed by CSIRO Astronomy and Space Science on behalf of NASA's Deep Space Network.



A wild, musical ride

Mallacoota is a long way from Lollapalooza for Padma Newsome – and that’s just how he likes it.

The composer and performer has three Masters degrees in classical music – including one from the University of Adelaide and two from Yale – and is also part of the highly-regarded US rock band, The National.

Based in Mallacoota (population approximately 1000) in Victoria’s East Gippsland region, Newsome (pictured left) has spent much of 2010 touring globally with The National, including a prominent spot in the lineup of one of the USA’s biggest music festivals, Lollapalooza.

Born in Alice Springs and growing up in Canberra, Newsome was heading towards a ‘conventional’ career in classical music, attending the University of Sydney and becoming a violinist with (among others) the Sydney Symphony Orchestra and the Australian Chamber Orchestra in the 1980s.

But for Newsome, who had been exposed to many different musical styles in his youth, the inner drive to extract something more from a life in music proved overwhelming.

“My early musical experiences formed my musical world,” he said. “I met and played works by contemporary avant-garde composers, and sang and played a huge range of styles, from modern to medieval, orchestral, theatre, chamber music, musicals to operas.

“It was quite a rich musical life, but at the same time it was normal for me.”

Newsome left the conventional path and spent some six years away from music before undertaking his Bachelor of Music (Honours) and Master of Music at the University of Adelaide under renowned contemporary composer Graeme Koehne. Other staff to impact on his thinking included Stephen Whittington, Warren Bourne, Kimi Coaldrake, Graham Dudley and Malcolm Fox.

He also resumed playing, becoming heavily involved in the local music scene, forming an ensemble known as Eggplant with Quentin Grant, Ron Nicholls and Dylan Woolcock, and joining another,

Fresh Air, which was “a strange and lovely combination of Eastern European folk tunes and rock”.

“We were performing in clubs and parties and I was also playing concert music again. There was some very beautiful music being made in Adelaide at that time by many different people and groups,” he said.

After receiving his undergraduate degrees from the University of Adelaide, Newsome was awarded a prestigious Fulbright postgraduate scholarship to study at Yale.

“I went over to the US initially for only a year, but stayed for nearly six: three years at university and another three composing and performing,” he said.

“I was awarded the Master of Music and Master of Musical Arts degrees from Yale, and while I was in my first full year there I had enough of a portfolio to submit for my Master of Music to the University of Adelaide.”

In 1999, Newsome formed Clogs, an improvised chamber music ensemble which has since gone on to release five albums and perform worldwide, both in sit-down concert halls and rock clubs.

“I formed Clogs in response to a rather specific dream, which told me exactly what kind of musicians to look for,” he said. “I found them at Yale: a bassoonist, a guitarist and a percussionist.”

The Clogs’ guitarist is Bryce Dessner, who later went on to join The National, a highly-acclaimed rock band who have spent much of 2010 touring the world in support of their latest album *High Violet* (the band will tour Australia from late December 2010).

Newsome’s association with Dessner meant he has become part of the broader group; performing and recording while also orchestrating and arranging many tracks.

The recording – and subsequent touring – of *High Violet* has consumed much of Newsome’s attention for 2010, but not all of it.

Clogs has released two records, and Newsome played and composed on two other separate records from Belgian singer/songwriter Daniel Hélin and cellist Zachary Miskin – not to mention associated videos and producing Clogs’ bassoonist Rachel Elliot’s solo album.

“Unfortunately, those other projects have had to take short shrift this year because my longstanding relationship with The National as a performer, recording artist, orchestrator, arranger and composer has taken precedence.

“We are having a wild ride of it, playing sold-out venues all over the world, and for me it is a cultural experience that I am glad to be a part of.

“While saying that, I do find fault with the rock world, which is sometimes cavalier and aggressive.

“Of course, this is a generalisation, as I am also meeting lovely people on the big stages. This world has also taken me to some beautiful venues: the Hollywood Bowl (in Los Angeles), Radio City Music Hall (New York), the Grand Ole Opry (Nashville) and to large festivals like Glastonbury (in England) and Lollapalooza.”

And then there is home.

Newsome describes Mallacoota as “incredibly beautiful” and is willing to tolerate the inconvenience of travelling many thousands of kilometres for his US music commitments.

“The juxtaposition of touring and this natural gorgeous land works perfectly for me,” he said.

“Sometimes it is a bit of burden for others who decide to work with me, since I do a lot of my work at home, remotely, and it is sometimes quite expensive to get me to come out to concerts.

“All in all, I do believe I have been received well by my peers, and feel encouraged to keep making music the best way I am able.” ■

Story by Ben Osborne

GLOBAL

— I M P A C T —

From a traditional Chinese medicine faculty in Hong Kong, to the football World Cup in South Africa and the law courts in Cambodia, you'll find a University of Adelaide alumnus in almost every corner of the world. Lumen profiles three outstanding alumni who cross the boundaries of culture, country and comfort in the quest to make a meaningful contribution to the world around them.



With so many alumni working in diverse fields around the world, we want to know whom you'd like to see profiled for Global Impact. Tell us by emailing ben.osborne@adelaide.edu.au



Herbal hunt for cancer cure

MICHELLE LEE
Bachelor of Science (Hons) 2004

Could the ancient remedies of traditional Chinese medicine hold the key to solving medical mysteries such as cancer?

Bachelor of Sciences graduate and PhD candidate Michelle Lee has returned to her ancestral home, Hong Kong, to find out.

In the final year of her PhD at the University of Adelaide, Michelle won a Prime Minister's Australia Asia Endeavour Award – the Asian equivalent of a Rhodes Scholarship – allowing her to undertake postdoctoral research at an Asian university for one year.

Not only does this award provide a generous stipend, but Michelle also receives support and resources for living overseas.

"I feel very privileged to be chosen to represent Australia in my given field," Michelle said. "The transition from home has been very smooth, thanks to all the support this award has given – and is still providing."

Michelle's research at the Chinese University of Hong Kong involves isolating active ingredients and determining how these can be applied in the treatment of cancers, in particular bone cancer.

Although the research is still in its early stages, Michelle and her team are seeing some promising results.

"Growing up in a very traditional Chinese family, I was exposed to many different herbal remedies to treat common ailments, so I've always had an interest in looking

into the principles of traditional Chinese medicines and finding out what they really are, and why they work," Michelle said.

"A common misconception about traditional Chinese medicine is that it is only about plants and herbal remedies, when really, it encompasses the body as a whole and looks at treating a particular ailment for an individual in a full and holistic manner.

"I am hoping that my time in Hong Kong will allow me to gain an understanding of ancient therapies which will hopefully provide further knowledge and recognition of the importance of these traditional principles in the treatment of various diseases."

Although Michelle was born in Australia, her family originally hails from Hong Kong.

"I had visited many times before on holidays, though living here is completely different! However, the transition was smooth and I feel like I've settled in quite well, and being bilingual helps!

"Receiving this award has given me the opportunity to be exposed to a beautiful culture and way of life, surrounded by many influential people, as well as attending career-advancing seminars and workshops. I am sure that these opportunities will extend far beyond my award journey," Michelle said.

Story by Connie Dutton



Healthy approach to World Cup

DR STEPHANIE DAVIS

Bachelor of Medicine, Bachelor of Surgery 2004

Not all of the action at this year's football World Cup in South Africa took place on the pitch.

For World Health Organization (WHO) epidemiologist Dr Stephanie Davis, who spent four months in the country before and during the tournament, the focus was public health.

Dr Davis was part of the WHO team who travelled to South Africa at the request of its health officials to help them prepare for any public health issues that could have arisen.

"I was there for three months before the World Cup began, and stayed for the tournament. My job involved helping to set up the disease surveillance system and also teaching South African health officials about managing communicable disease outbreaks during mass gatherings," Dr Davis said.

"Mass gatherings are of particular interest to WHO, because having lots of people from different places, with different bugs, all together in close proximity at the one time, means there is an increased risk of communicable diseases."

After graduating in Medicine in 2004, Dr Davis worked primarily in Indigenous health across Australia's north and completed a Master of Applied Epidemiology at the Australian National University in 2009. She was then offered a job as an epidemiologist at WHO headquarters in Geneva, Switzerland.

"My department is mainly interested in looking at acute communicable disease events, such as disease outbreaks and new or emerging infectious diseases," she said.

"We look at data from different sources to try to detect any major communicable disease events early, and then we liaise with our colleagues based in different places around the world to see if there is any action that needs to be taken by WHO."

Dr Davis described her World Cup experience as both hard work and fantastic fun.

"About 95% of the locals were wearing Bafana Bafana T-shirts, waving South African flags and blowing vuvuzelas all day and all night," she said.

"There were loads of international visitors all wearing their national colours and singing their national songs in the streets, which added to the atmosphere.

"On a professional level it was also great, as I travelled to many different places in South Africa, meeting and working with some really fantastic people who were committed to having a healthy country and to ensuring South Africa hosted a successful World Cup.

"One of the best things for me was the realisation that doing this work for the World Cup will have long-term benefits for the South African public health system."

Story by Ben Osborne



Bringing justice to Cambodia

WILLIAM SMITH

Bachelor of Laws, 1994

Every day, Bill Smith is reminded of his good fortune in being raised and educated in Australia.

This thought often runs through his mind as he stands before a packed Cambodian court, using all his legal nous to prosecute some of the world's most notorious war criminals.

As Deputy Co-Prosecutor at the Extraordinary Chambers in Cambodia, Mr Smith has just wrapped up the trial of Kaing Guek Eau, better known as Comrade Duch, the prison officer who confessed to torturing more than 12,000 people before they were sent to the killing fields of Cambodia for execution.

It took 10 years and \$100 million to bring Comrade Duch to trial.

Mr Smith, a University of Adelaide law graduate, led the prosecution of 67-year-old Duch, who has been sentenced to 30 years in jail for his crimes (of which he has already served 11 years).

Although Duch will be 86 when he is due for release, Mr Smith and his team are appealing the decision, arguing for a life sentence.

"Comrade Duch was a willing participant in the genocide of thousands of Cambodians. These calculated and cruel killings on such a massive scale require the maximum punishment to deter others," Mr Smith said.

The former Adelaide police prosecutor and criminal defence

lawyer will now turn his attention to the prosecution of the four most senior surviving leaders of the Khmer Rouge regime: Nuon Chea, Ieng Sary, Khieu Samphan and Ieng Thirith.

"We are alleging these four were among the main architects and prime movers of the Khmer Rouge revolution in Cambodia in the late 1970s, whose criminal policies led to the death of up to 2.2 million people – half by direct execution.

"The other half died as a result of policies that caused starvation, overwork and disease."

Cambodia has been home to Mr Smith since 2006. Prior to taking this brief, he worked as a prosecutor in The Hague for 11 years at the International Criminal Tribunal for the former Yugoslavia, and spent six months in East Timor in 2000 as a human rights officer.

He started university a little later than his peers, initially working in the hotel industry and then as a police officer in Adelaide before enrolling in a law degree.

After graduating in 1994, Mr Smith worked as a criminal defence lawyer before heading overseas.

"My experience working overseas has really made me appreciate our education system in Australia," he said. "It has allowed me to change the course of my career and given me 15 incredibly rewarding years so far."

Story by Candy Gibson



Students break the family mould

Imagine being the first member of your family to ever attend university, or growing up without the encouragement to pursue study beyond high school.

An innovative University of Adelaide program is helping to inspire young South Australians to become the first in their family to undertake tertiary study.

The First Generation program commenced in 2009 with State Government funding and is breaking down some of the barriers and myths of university life.

It has engaged more than 120 students in Years 9–11, from 15 South Australian schools with low student progression rates onto university.

The program supports students from a variety of backgrounds, including Aboriginal and Torres Strait Islander students, regional or remote students, students from non-English speaking backgrounds and students from low socio-economic backgrounds.

The program aims to offer everybody the opportunity to fulfil their potential, regardless of where they come from. Selection into the program is managed by the participating school after consultation with the program manager and parent or guardian, and is based on a student's academic potential and desire to study at university.

Despite being in its infancy, the program has so far received an overwhelming response from participating students, with more than 65% saying that they are more likely to go to university as a result of taking part.

Over several days, students are brought onto the University's North Terrace Campus – a first for most – for a taste of university life and study. They take part in faculty-run and career-focused activities,



adelaide.edu.au

spend time with student mentors and role models from similar backgrounds, form social and support networks, and overcome some of their misconceptions about university.

According to the University's First Generation program coordinator Jen Hill, this experience allows students to make informed decisions about their future, and to consider university as a relevant and achievable option.

"Students are introduced to the range of support services available on campus," Jen said.

"Study and life skills sessions are offered, along with financial, employment and accommodation support, health and library services. Academic and personal support and counselling are all available for students to access at the University of Adelaide.

"In addition, role modelling and mentoring relationships, friendships with other students and links with schools and parents are formed during the program and developed throughout the rest of the students' schooling.

"Equity outreach programs, like the First Generation program, bring long-term benefits to not only participating students and their families, but to communities, the University and the broader economy by encouraging more academically-talented students to participate in higher education and move on to graduate level employment," Jen said.

With the initial group of First Generation program students expected to finish Year 12 in 2011, many will begin enrolling at the University of Adelaide from 2012.

"Feedback from participating school staff has been overwhelmingly positive," Jen said.

"We hope the success of the program will see the continued support of the State Government after funding ceases at the end of 2010.

"In my experience, it is often first generation students who go on to do more with their tertiary opportunities, who have a greater desire to achieve and 'give back' by assisting others from disadvantaged backgrounds and advocating the benefits of higher education." ■

Story by Connie Dutton

Left: Jen Hill, Renato Vozzo and Joanne O'Connor.

Photo by Candy Gibson

STUDENT PROFILES

JOANNE O'CONNOR

Journalist, psychologist, lawyer and computer game designer were all career aspirations entertained by Joanne O'Connor. She knew these career paths meant achieving a university degree, and thanks in part to support and encouragement from her family, Joanne is making her dream a reality as a first generation tertiary student.

Currently completing her third year of a Bachelor of Psychological Science, Joanne acknowledges the benefits of hands-on experience and a clear pathway to university.

"My mum recognised my interest in university from a young age and encouraged me to apply for a scholarship to a school that provided a solid pathway to tertiary education. I was lucky because it was part of my school's culture to progress to university and I was given plenty of exposure to it through my teachers and support staff," she said.

As a student mentor for the First Generation program, Joanne sees first-hand how the program is meeting the needs of potential students by providing role models with whom students can interact and by presenting opportunities to familiarise themselves with the university campus while still in high school.

"I think it's really important to have people around you who have been through university so it doesn't seem like such an obscure experience. The First Generation program meets this need as the program addresses a gap for students when they don't have family members to chat to about university, or when they just haven't had other opportunities to visit," she said.

"I know that there are so many high school students who still see a university education as a distant, unattainable dream. Alternatively, they might see it as a cold, unwelcoming place for anyone other than the privileged elite. By participating in these programs, students can hopefully see that university is neither of these things and that they can work towards achieving whatever they want."

RENATO VOZZO

Flexibility to tailor a degree program to suit his interests was one of the surprising benefits that Renato Vozzo discovered when he began studying at the University of Adelaide as a first generation student.

Academically-minded and with a desire for a job title that "sounded cool", Renato did not feel completely confident about applying to study at university, despite receiving some support from his high school.

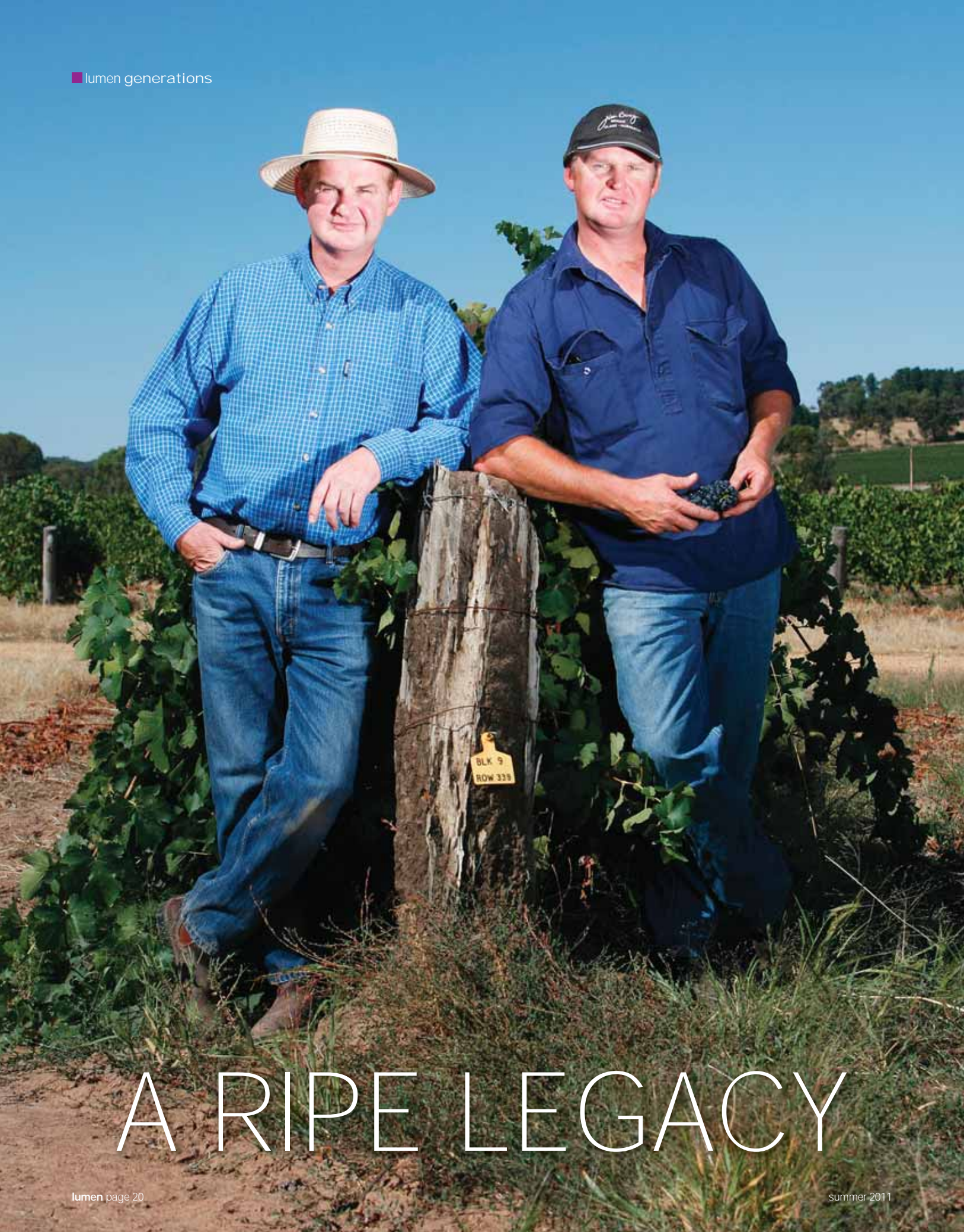
"In high school I felt that I had to make a decision then and there about what I wanted to do with my life and that I needed to achieve the results in order to start on that pathway," he said.

"Even in my final year of high school I was constantly changing my mind about what I wanted to study."

After completing two years of a Science degree, Renato decided it wasn't for him, so he began a Bachelor of Arts, which allowed him to pursue his interests in the Italian language and philosophy.

Through his involvement as a student ambassador in the First Generation program, Renato is now helping other young people see that university offers the flexibility to be in control of your own learning and offers many choices about careers and lifestyle.

"I think it's important for them to know that if you're not 100% sure about the career path you want to take, that's fine. University is great because it gives you a chance to study things that aren't available at high school, you can be flexible about whether you study full-time or part-time, and you can change your mind about which direction you take, all with support, along the way."



A RIPE LEGACY

When it comes to wine and education, there's one family name in South Australia that jumps to mind.

Raise your glasses to the Barrys. Believed to be the first family of third-generation University of Adelaide winemaking graduates, the Barry clan casts an immeasurable influence across the Australian industry.

Any discussion of the family starts with brothers Brian and the late Jim.

Their pioneering careers have been followed by Jim's son Peter, who is now managing director of Jim Barry Wines, and most recently by Peter's son – Jim's grandson – Tom, who has just started out on his career.

(Not to mention Brian's son, Jud, who also studied at Adelaide and who is now winemaker for his father's company, Brian Barry Wines.)

Such a winemaking lineage is even more remarkable, given the fortuitous circumstances under which both Brian and Jim entered the industry.

"Jim and I were very close," Brian said.

"When we were growing up in Murray Bridge we had a third, younger brother who died when he was eight and that brought us together.

"Jim was a couple of years older than me at high school in Adelaide but he suffered badly from rheumatic fever, so we ended up doing our Leaving year together.

"I stayed back a year at school to do my Leaving Honours, and Jim got a job up at Roseworthy College.

"The principal up there said to Jim: 'with your school marks, you should be doing some more studying', so Jim started in oenology in 1944.

"No-one before us in our family had any connection to wine before that.

"At the end of his first year in 1944, Jim started to wind me up about getting a scholarship at Roseworthy: 'you won't win one Brian, but it will be a good thing for you to do'.

"It was good-natured ribbing that brothers do to each other, so I went up and sat the scholarship exam.

"As it turned out, the scholarships weren't for winemaking but for animal husbandry and agriculture, so all the kids who went to Urrbrae and knew about those subjects won the scholarships.

"But no-one from the west coast of South Australia applied for the scholarship that was on offer for that region.

My exam marks were high enough to be offered an oenology scholarship.

"I think for both of us it was a case of being lucky enough to be in the right spot at the right time."

Jim – oenology graduate number 17 – and Brian – number 22 – used their new qualifications to embark on careers as trailblazers in Australia's burgeoning wine industry.

Jim became the first qualified winemaker to work in the Clare Valley, working for Clarevale Cooperative before setting up Jim Barry Wines with wife Nancy in the late 1950s.

Brian worked briefly for Hamiltons on graduation before beginning a long and illustrious career at the Berri Cooperative.

Between them, Brian and Jim won hundreds of national and international awards for their wines, including Brian's Jimmy Watson Trophy in 1973 for a 1972 Cabernet Sauvignon and Shiraz blend.

Brian was also prominent as one of the country's best wine judges; a vocation he said he took up to help him improve as a winemaker.

"I figured that if I was going to improve as a winemaker, I had to understand what other winemakers were doing and the best way to do that was to be a judge," he said.

"You were exposed to a lot more wine and were able to pick up different ideas about how to go about it. I really enjoyed it and learned a lot from judging."

Jim's son Peter graduated from Roseworthy with a Bachelor of Applied Science (Oenology) in 1985.

In contrast to his father, he grew up surrounded by wine and winemaking and developed an appreciation for the family business from a young age.

One of the most important lessons Peter took on board as he learned the craft was to nurture the personal relationships that came from such a career.

"I enjoyed the wine business as my father enjoyed it. There were always interesting people for conversation," he said. ►



"I figured that if I was going to improve as a winemaker, I had to understand what other winemakers were doing and the best way to do that was to be a judge."

Left: Peter (left) and brother John Barry in their family's Clare vineyard. John is also an alumnus of the University of Adelaide, graduating with an Associate Diploma in Farm Management in 1991.

Photo by Bruce Lloyd

Above: Brian Barry with just two of the many hundreds of trophies he won in a 65-year career.

Photo courtesy of Brian and Jud Barry

"The degree at Roseworthy gave me a great education and the basis for what we have developed as a company today.

"It also gave me a much bigger perspective of wine and people. It gave me lifetime friends, just not acquaintances."

Going out on his own wasn't ever a question for Peter.

"I didn't ever wish to create my own brand," he said. "I was lucky enough to be part of a winemaking family, enjoying being a new part of the family history.

"After I graduated and started visiting wine shows, it became obvious how much my father was respected within the industry by the people who came up to greet him – blokes like Max Schubert, Wolf Blass and Peter Lehmann.

"I have been very lucky to be able to study at Roseworthy as well as learn directly from one of the best winemakers in the country.

"I would learn little lessons from him most days, from wine and vineyards, to life lessons.

"One of the most important things I learned was to independently assess: don't jump to the conclusion, but ask the question and assess."

Since taking over from his father as managing director of the company in 1985, Peter has overseen the company's expansion of its vineyards to more than 245 hectares in the Clare Valley (and another 30 hectares in the Coonawarra region), with their wines now available in 25 countries.

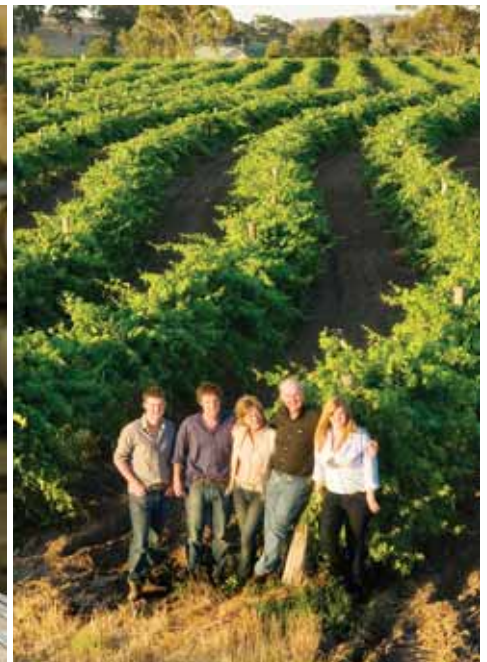
Also following in his father's and grandfather's footsteps is Peter's son, Tom, who graduated in Oenology (while based at the Waite Campus) in early 2010.

His childhood was surrounded by winemaking, without it being forced upon him.

"Growing up in a wine family seemed very normal to me and I definitely didn't see myself as being any different from the other kids in Clare," he said.

"I think this says a lot about how my grandparents raised their children and how Mum and Dad raised us.

"Although we were constantly surrounded by wine, whether that be when we were helping out in the winery and vineyards during the school holidays for pocket money, or having dinner with the many journalists who passed through Clare, we were never forced to take an interest. These things were just part of our



life, in the same way that washing the car or mowing the lawn is for other children.

"That said, when you are surrounded by something, it is hard not to take an interest. As I got older my understanding of wine and the wine industry developed and I gradually began to realise what a blessing it was to be born into the Barry clan. Since then, I really haven't looked back."

Tom is a junior winemaker with Jim Barry Wines, and spent much of 2010 as an ambassador for the company, travelling to the US and Europe to meet distributors and customers, and spreading the word on the diversity and quality of Australian wine.

He is currently taking part in a vintage at renowned German Riesling producer Dr Loosen, based in the Mosel Valley.

"It's another luxury afforded to me through working for the family business – I'm able to grow my knowledge and skill base by doing vintages around the world and then bringing these different techniques and ideas home," he said.

"I truly believe that great wineries have stories and history behind them; I'm very proud to make wine in my Grandpa's name.

"With so many family-owned wineries having had to sell to the big corporate companies, I am humbled to have the opportunity to work for my family and continue the Jim Barry legacy," he said. ■

“Growing up in a wine family seemed very normal to me and I definitely didn't see myself as being any different from the other kids in Clare.”

Story by Ben Osborne

Above left: Tom Barry.

Above right: The Barry family at their Clare vineyard (from left): Sam, Tom, Susan, Peter and Olivia Barry.

Photos by Don Brice

Recognising excellence

Two more of the University of Adelaide's most exceptional graduates have joined the ranks of its Distinguished Alumni. Awarded annually, the Distinguished Alumni Awards recognise alumni who have given outstanding service to the community or made a significant contribution in their chosen fields.



Associate Professor Dr Bill Griggs AM ASM

[MBA 2009, MBBS 1981]

In recognition of his significant achievements as an authority on the medical treatment of trauma victims and for his humanitarian response to assist in regions struck by disaster.

Dr Griggs has been named South Australian of the Year twice, in 2006 and 2009, and was awarded a Member of the Order of Australia in 2003 for his services to medicine.

He is considered a worldwide authority on trauma and disaster medicine, and managed evacuations of victims of the 2002 and 2005 Bali Bombings, the 2004 Boxing Day Tsunami, and the crash of the Garuda Airlines Flight GA200 in Yogyakarta in 2007.

In 1989, Dr Griggs invented a surgical instrument and associated technique for performing a type of tracheostomy now known as the "Griggs Technique". Remarkably, in 2005 this technique was used to save the life of Pope John Paul II.



Mr Chris Chow Pang Chong

[BE Hons 1961]

In recognition of his significant contribution to the engineering profession in Malaysia, for forging positive links between Malaysia and Australia, and his ongoing support and commitment to the University's alumni relations program over many years.

As a Colombo Plan student, Mr Chong was one of a group of outstanding scholars who returned to their homes in South-East Asia, forging successful careers and becoming community and civic leaders.

Mr Chong established his own engineering firm and managed major infrastructure projects within Malaysia and throughout the region, and has achieved a formidable and respected reputation as a professional engineer and as a businessman.

Mr Chong has supported his *alma mater* over many years as a founding member of the West Malaysia Alumni Network, a member of the former Alumni Association Board and an immediate past member of the University's Alumni Advisory Committee. He continues to support the University through his membership of the University's Heritage Foundation Committee.

Do you know somebody worthy of consideration for a Distinguished Alumni Award?

Development and Alumni is now accepting nominations for the 2011 Distinguished Alumni Awards. Nominations are open to any person who meets the definition of an alumnus: a graduate, present or former student, or past or present staff member of the University of Adelaide.

The purpose of the award is to recognise alumni who have enhanced the reputation of the University of Adelaide and one of the following:

- have given outstanding service to the community; or
- have made an outstanding contribution in their chosen field.

For more information and nomination forms, phone 08 8303 6356 or visit www.alumni.adelaide.edu.au/daa

Nominations should be forwarded in writing by 30 April 2011 to:

Gaynor Tyerman,
Alumni Relations Officer
(Domestic and Awards),
Level 1, 230 North Terrace,
UNIVERSITY OF ADELAIDE SA 5005

Medicine 125 gala dinner

One of the largest gatherings of medical professionals in South Australia's history took place in September 2010 to celebrate the 125th anniversary of the University's medical program.

More than 500 people attended a gala dinner at the Adelaide Convention Centre to mark the historic event, including SA Health Minister the Hon. John Hill MP, esteemed medical researcher and National Living Treasure Dr Basil Hetzel AC, anti-nuclear campaigner Dr Helen Caldicott, former SA Thinker-in-Residence Baroness Susan Greenfield, internationally renowned liver disease specialist Sir Ian Gilmore, and SA Chief Medical Officer Professor Paddy Phillips.

Another graduate – 2009 South Australian of the Year, Associate Professor Bill Griggs AM ASM – was presented with a Distinguished Alumni Award for his services to his profession and the broader community. ■



Left: Dr Basil Hetzel, Dr Richard Brock, Dr Robert Cooter and Dr Bill Griggs.

1. Artists Avril Wilson and Meg Brassil.
2. Chris Wong and Adam Nelson.
3. Dr Gelareh Farshia and Dr Malcolm Pradhan.
4. Rebekha Sharkie, Rachel Sanderson, Member for Adelaide.

Photos by Keturah De Klerk

Class of 1960 reunites

A final wintry blast failed to dampen the spirits of more than 100 University of Adelaide alumni who celebrated the 50th anniversary of their graduation in October 2010.

The Golden Jubilee – itself celebrating its 25th anniversary, with the first one being held in 1986 – saw graduates from 1960 return to the scene of their original graduation, Bonython Hall, for a commemoration ceremony followed by a luncheon at the stately Mortlock Chamber of the State Library.

A total of 115 graduates – from as far away as the US and the UK – were addressed by Vice-Chancellor and President Professor James McWha and Development and Alumni Director Mrs Robyn Brown.

Fellow 1960 graduate and philanthropist Bob Cowan (B Sc) gave the keynote address, reminiscing about life both on and off campus.

“We had a close collegiate life, meeting and arguing with students from other faculties over coffee in the refectory,” he said.

“Weren’t we lucky? Commonwealth scholarships weren’t hard to get, there were virtually no fees, there were

subsidised clubs, it was a real collegiate experience.

“Today, the students coming out have bigger issues to solve in their lifetime than we did – global issues like overpopulation, climate change, water and energy crises.”

Professor McWha paid tribute to the achievements of the class of 1960 and gave an update on the current position of the University.

“It is a very exciting time for us as we continue to position ourselves as a great research university,” he said.

“But we would not be in this position today if not for those, such as you, who have gone before us.” ■

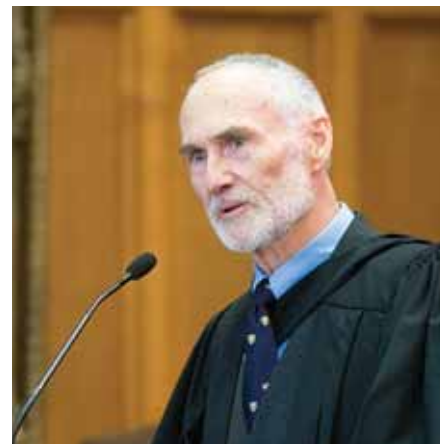
Story by Ben Osborne

Top: The Class of 1960.

Above right: Bob Cowan [B Sc (Forestry) 1960].

Right: Ms Elizabeth Hambly [BA (Hons) 1960] accepting her commemorative certificate from the Chancellor, the Hon. Robert Hill.

Photos by John Hemmings



A GIFT for future genera

Since 2008, the number of bequests to the University of Adelaide has more than doubled, reflecting a growing desire by graduates to leave a legacy for future generations. Ben Osborne reports.

Bequests are increasingly becoming a part of life at the University of Adelaide.

Once a taboo subject, the notion of gifting financial donations is now very much a topic that is out in the open, according to the University's Planned Giving Officer, Mrs Sue Fox.

"We've seen a real shift in people's thinking," Mrs Fox said. "Our bequestors care very much about their legacy to future generations and also to the University, and are now much more willing to act upon it during their lifetime."

The establishment of the Hughes Bequest Society in 2008 was a major step forward in strengthening the relationship between the University and its benefactors.

"Through the Hughes Bequest Society, we've been able to better develop genuine personal relationships with our bequestors and make them feel part of the University community," she said.

"It's also very important to us to acknowledge our bequestors and their gift while they are still alive.

"They can see that the University of Adelaide is a unique place that does great things for our society, and they know their bequest will help those who come after them to carry on the University's work."

One bequestor who is fully aware of the impact his gift will have is Chairman of the Hughes Bequest Society Committee, Mr Peter Routley, who graduated from the University of Adelaide with a Bachelor



of Arts degree in 1959 and a Diploma in Primary Education in 1960.

He subsequently embarked on an international career in education and non-government organisations in countries including England, Papua New Guinea, Nigeria, Laos, Mali, Cambodia and Thailand, but has only recently re-established his personal connection to the University.

"I suppose I went from having very little connection to being quite involved. I've had the opportunity to see what the University does and I know that my bequest will be handled appropriately," Mr Routley said.



"I think as a society we are becoming much more open about bequests.

"In the past it's been a bit of a taboo subject because it involves death, but through places like the University of Adelaide you can see how much impact a bequest can have on others."

In August 2010, the University's bequest program won a major national award, taking out the Association of Development and Alumni Professionals in Education 2010 Award for Excellence for a Fundraising Campaign. This was for its work with the Hughes Bequest Society, which the judges described as "a comprehensive program that has produced good results". ■

Sky's the limit

Opera singer Sky Ingram's burgeoning international career has been made possible, in part, through a bequest.

tions



Sky, who graduated with an Honours degree in Music from the University of Adelaide in 2006, was one of the first three recipients of the George Boland Scholarship, given to Elder Conservatorium of Music graduates to further their studies internationally.

The scholarship is derived from a bequest left to the University to commemorate George's name by his widow, Josephine Patricia Boland. Both George and Patricia were lovers of opera, and in particular Swedish tenor Jussi Bjorling.

Sky said the scholarship came at a very important time in her development, after she had sung at the Sydney Opera House in 2008 for the final of the Australian Singing Competition and won a prize for one year's study in London.

"I felt two things: excitement and fear," she said. "Excitement at the amazing opportunity ahead, and also fearing about how I would raise enough money to live in London. Opportunities like this need to be taken when you have the chance, but that doesn't always mean you will have the funds to support yourself and make it happen.

"The George Boland Scholarship allowed me not only to live in London during my first year at the Guildhall School of Music and Drama, but it allowed me to embrace the music culture of the city.

"I was able to go to numerous operas and concerts, see some of the best singers in the world perform on some of the world's best stages, pay for lessons with some of the UK's leading vocal coaches, improve my language skills with private tuition, and come to understand the expectations ahead for a professional opera singer."

Elder Conservatorium of Music Director Carl Crossin said bequests – of any size – can make a big difference to the lives of young musicians.

"The George Boland Scholarship came from a large bequest, but there are also many smaller-scale scholarships we offer from bequests that can have just as much of an impact," he said.

"For many talented students leaving high school, obtaining an undergraduate scholarship can literally be the difference between being able to attend university or not."

Sky has just begun a new two-year opera course at Guildhall, after which she hopes to secure an agent and further her career.

"I feel so blessed to have been given the opportunity to study over here and especially to have all the support of family, friends and sponsors.

"Without those three, it would be near impossible to become an international opera singer at any level." ■



Story by Ben Osborne

Sky Ingram in the Western Australia Academy of Performing Arts' production of *A Midsummer's Night Dream* in 2007.

Photo by Jon Green

To discuss leaving a bequest to the University of Adelaide, please contact Planned Giving Officer Sue Fox on 8303 3234 or email susan.fox@adelaide.edu.au

Above: The Hughes Bequest Society committee, pictured with University of Adelaide Vice-Chancellor Professor James McWha (back, second from left): (back) Brian Jones OAM, Brian Ward, Donald Beard, (front) Peggy Barker, Planned Giving Officer Susan Fox, Merry Wickes and Aileen Connon AM.

Above left: Chair Peter Routley.

ALUMNI on the move

If you've recently celebrated a promotion or career achievement, a change of jobs, or won a major prize, we want to hear about it! Share your good news with your fellow alumni by emailing us 50 words or less, including your name, degree and graduation year.

Send it to alumni@adelaide.edu.au or call +61 8303 5800.



Peter Couche [B Ec 1971, Grad Dip Mgmt, 1998] has been awarded the 2010 Pride of Australia medal for Courage. The medal recognises his determination and strength of character to overcome personal adversity.

Peter, who appeared on the front cover of the Summer 2010 issue of *Lumen*, suffered an irreversible brain-stem stroke at age 41. Peter's stroke left him a quadriplegic with "locked-in syndrome".

In association with the Robinson Institute and the University of Adelaide, Peter has established the Peter Couche Foundation to raise funds to support stroke research within the Centre for Stem Cell Research.

This research provides hope for brain repair treatment for stroke damaged brains. Peter also aims to raise awareness of the incidence and impact of stroke: particularly that useful life does not end just because you have suffered a stroke.

For more information go to: www.petercouchefoundation.org.au

2000s

Greta Bradman [B Mus 2002, B A (Psych) 2003, B A (Hons) 2004] has released a new album, *Forest of Dreams*, a collection of beautiful lullabies, exploring the interesting combination of music and psychology.

Jessica Dean [B MusP C-V (Honours) 2005] will make her solo debut with the Adelaide Symphony Orchestra on 11 December 2010 for a summer's evening of popular classics and operatic arias in the Adelaide Botanic Gardens. Jessica studied Voice with Rosalind Martin and Guila Tiver and was awarded one of Arts SA's Emerging Artists Awards in partnership with her husband, pianist and musical director **Anthony Hunt [B MusP C-K (Honours) 2005]**.

Michael Meagher [LCB M A (Gastronomy) 2006] has won the 2010 Chaine des Rotisseurs' Best Young Sommelier competition. The Chaine des Rotisseurs is an international gastronomic society founded in Paris in 1950, devoted to promoting fine dining.

Carli Ratcliff [GC Food Writing 2008] has tasted success at the Australian Food Media Awards, winning the Best New Food Writer category in 2010. Carli is a freelance food writer who writes for the *Sydney Morning Herald's* Good Living and Traveller sections.

Duangporn Songvisava [LCB M A (Gastronomy) 2004] runs her own Thai restaurant, Bo.Ian, in Bangkok and is co-host of a morning television cooking show *Gin Yoo Keu (Eat, Live, Be)* in Thailand. Prior to this she worked in a Thai restaurant in London, Nahm, operated by Michelin-starred chef David Thompson. Duangporn subscribes to the "slow food principle", adhering to traditional cooking methods and using organic produce from local farmers.

1990s

Tan Gim Boon [B Com 1993 and B Laws 1995] has been appointed a Director of Axiata, one of the largest telecommunication companies in Asia. Prior to joining Axiata as its General Counsel he was in private practice in Malaysia and Sydney. His last post before joining Axiata was with Malaysian law firm Zaid Ibrahim & Co.

Peng Gaojian [Grad Dip Int Ec 1999] was the 2010 Australia China Alumni Awards winner at a gala presentation dinner for AusAid Scholarship recipients in Shanghai in July 2010. He is Deputy Director-General, Department of Politics, Human Resources and Social Security, Legislative Affairs Office of the State Council in Beijing.

Nathan Gianneschi [B Sc (Hons) 1999] has been awarded a United States Presidential Early Career Award for Science. The award is the highest honour bestowed by the US Government on scientists who are beginning their professional careers. Nathan is a chemistry professor at the University of California, San Diego. He will receive his award from President Barack Obama at a White House ceremony.

Adam Liaw [B Sc (Jur) 1998, LLB 2000] was crowned the winner of the Channel 10 series *MasterChef* for 2010. Adam outlasted fellow Adelaide alumnus **Marion Grasby** (student) and beat University of Adelaide engineering student **Callum Hann** (student) in the final.

Stephanie Lambert [B Sc 1997, B Sc (Hons) 1998, PhD (Ag Nat Res Sc) 2002] has been appointed chief winemaker with internationally recognised Amisfield Wine Company in New Zealand.

Dr Natasha Rogers [MBBS 1999] was named the best young medical researcher in South Australia in 2010 for her PhD research in improving organ transplant success rates. Natasha won the prestigious Ross Wishart Memorial Award presented by the SA branch of the Australian Society for Medical Research.

Paul Riordan [B Arch St 1990, B Arch St (Hons) 1993] has been appointed Director of Policy at the Energy Retailers Association of Australia. Previously Paul co-chaired the national phase-out of emission-intensive electric water heaters and directed the Federal Government's Residential Energy Efficiency team and House Energy Rating Scheme.

Peter Sheppard [B Ec 1992, B Ec (Hons) (1993), LLB (1996), B Com (1999) CA] has been appointed Associate Director in the Sydney office of leading corporate reconstruction practice BRI Ferrier. Peter leads the firm's technical and training team.

Dr Trevor Garnett [B Sc 1991, B Sc (Hons) 1993] was profiled as part of an investigative piece by prestigious science journal *Nature* into the increasing focus of plant breeders on how roots can improve crop yields.

1980s

Dr Raj Lada [PhD Ag Sc 1989] is a professor with the Nova Scotia Agricultural College, Canada. He has established a prolific research program addressing a wide range of horticultural crops and was recently awarded the NSAC Research Excellence Award for his work in plant physiology.

Dr Helen Marshall [MBBS 1988, M Pub Hlth, 2004] received the award for Excellence in Research for Public Good at the 2010 South Australian Science Excellence Awards. Dr Marshall was recognised for her research into vaccines and immunisation, which aims to prevent deaths in young infants.

1970s

Stephen Kenny [LLB 1979] was awarded the Law Society of South Australia's prestigious justice award in recognition of his efforts on behalf of the disadvantaged.

Dr S Narayan [Dip Bus Mgmt 1974] has been appointed Head of Research at the Institute of South Asian Studies, National University of Singapore.

Professor Don Fuller [B Ec 1970, B Ec (Hons) 1972, PhD (Ec) 1984] has been appointed Professor of Governance at Charles Darwin University after working in Indonesia and various parts of Australia.

Clive Winkler [B Sc 1969, B Eng (Electrical) 1970] has been appointed Chief Technology Officer for United States company Free Wave Technologies. The company manufactures sophisticated, high-performance radios for oil, gas, utility, military and other industrial applications. Prior to joining Free Wave, Clive worked with Cubic Defense Applications in San Diego, California.

1960s

Professor Emerita Jill Roe AO [B A (Hons) 1963] was awarded the Premier's Prize for Non-Fiction at the 2010 Writer's Week in Adelaide. Professor Roe received the prize for her biography of Miles Franklin. Professor Roe, who lives in NSW, was honoured with an AO in the 2007 Queen's Birthday Honours List.

Staff members

Professor Barry Brook received the award for Community Science Educator of the Year at the 2010 South Australian Science Excellence Awards. Professor Brook is Director of Climate Science at the University of Adelaide's Environment Institute.

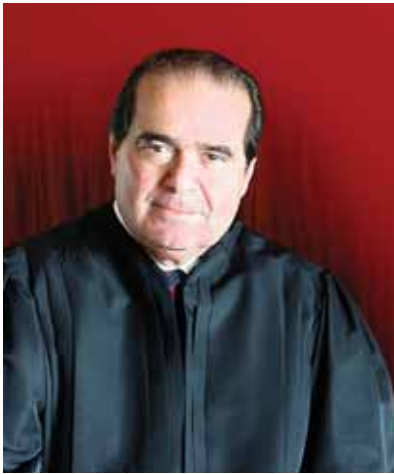
Dr Hugh Kildea was awarded the inaugural Australian Medical Students' Association (AMSA) National Teaching Award in 2010. Dr Kildea, a general practitioner and Medical School Clinical Skills Coordinator, was honoured for his outstanding commitment to the education of medical students at the University of Adelaide. He has pioneered an Australian-first student tutoring rotation that emphasises the role of senior medical students and junior doctors in clinical skills tuition for junior medical students.

Associate Professor Elizabeth Koch OAM has been named the most outstanding university teacher in South Australia in 2010 by the Australian Learning and Teaching Council. Associate Professor Koch played with the Adelaide Symphony Orchestra for 27 years before joining the University of Adelaide in 2002 as a full-time teacher.

Professor Tanya Monro has been named South Australia's Australian of the Year for 2011 for her work in the field of photonics – technology which allows the generation and control of light using glass optical fibres. Professor Monro has also been named a 2010 Telstra Business Woman of the Year in the Community and Government category. Professor Monro is an ARC Federation Fellow at the University of Adelaide and Director of the Institute for Photonics & Advanced Sensing.

Professor Angel Lopez has shared the title of South Australian Scientist of the Year for 2010 with Professor Tanya Monro. Professor Lopez is Co-Director of the Centre for Cancer Biology at SA Pathology and an affiliate professor with the University Of Adelaide's School of Medicine.

Dr Gabrielle Todd received the South Australian Young Tall Poppy of the Year award at the 2010 South Australian Science Excellence Awards. Dr Todd is investigating how the brain controls movement and the pathological changes that lead to disorders such as Parkinson's disease, an incurable neurodegenerative disease.



Justice Scalia to deliver oration

One of the United States' most outspoken legal identities will headline a major event at the University of Adelaide in 2011, highlighting the importance of legal advocacy.

US Supreme Court Justice Antonin Scalia – known for his aggressive oral argument and scathingly critical writings – will speak at the 21st Century Advocacy Conference, on 4 February 2011, and will also deliver the 2011 James Crawford Oration on International Law on 2 February.

Other key speakers at the conference include Chief Justice John Doyle AC (Chief Justice of South Australia) and the Hon. Michael Kirby, AC, CMG (former Justice of the High Court of Australia).

For more information, visit www.adelaide.edu.au/justice-scalia-2011

Beijing gathering

A successful inaugural University of Adelaide alumni event in Beijing, China has paved the way for future annual gatherings in different regions across the country.

Approximately 50 alumni, friends and University staff gathered at the Marco Polo Parkside Hotel in Beijing on 21 October for the event.

Pro Vice-Chancellor International Professor John Taplin hosted the gathering, and the Executive Dean of the Faculty of Professions, Professor Pascale Quester was guest speaker.

In future, the University hopes to hold annual alumni events in other regions in China.

Development and Alumni staff also held a wine-tasting event in Hong Kong with that country's well-established alumni network.

The Hong Kong event was hosted by Adelaide Cellar Door and also featured McLaren Vale winemaker and University of Adelaide oenology graduate Sue Trott, of Five Geese Wines. ■

Story by Kim Harvey

Below: Johnny Poon, Jess Harris (Adelaide Cellar Doors) and Kelvin Lui at the Hong Kong event.





Alumni PRIVILEGES

Adelaide alumni have access to a range of benefits, special offers and opportunities — from networking to exclusive discounts. The Alumni Privilege Package brings together an ever-expanding range of benefits available to all Alumni Membership Card holders.



SPECIAL ALUMNI PRIVILEGE:

Purchase a mixed case of the Goode Wrattenbull 2006 Shiraz (six bottles) and the Mt Benson Goode Sem Sav Blanc (six bottles) for the special alumni members' price of \$108 per case: that's 12 bottles of wine for the price of 10!



Pen – satin silver (boxed)



Coaster Set (6) – stainless steel



Coffee Mug – large red



Photo Frame – metallic silver



Compact mirror



Cufflinks – metallic silver



University Ties – Striped, Blue Logo, Cubed



University Graduate Tie



Rugby Top – Navy



Polo Shirt – Navy with white piping trim



Business Card Holder – leather

For more products and prices please phone +61 8 8303 5800 or visit www.alumni.adelaide.edu.au/merchandise

READER SURVEY

We need your help to make *Lumen* even better. By answering our questionnaire you can help us to refine, update and improve *Lumen* to better meet your needs. You may choose to remain anonymous or provide your details to go in the prize draw.

Please fill in this short survey or ONLINE at: www.adelaide.edu.au/lumen

Survey replies must be received by **31 December 2010** to be eligible for the prize draw.

The winner will be notified by mail.

For full terms and conditions please visit: www.adelaide.edu.au/lumen

WIN

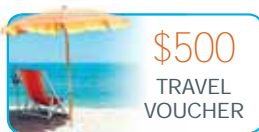
Every respondent goes in the draw to win either an Apple iPad, \$500 book voucher or \$500 travel voucher.



OR



OR



Are you a good writer?

If you are working in an interesting part of the world and would like to write about how you are putting your University of Adelaide degree to good use, please drop us a line at lumen@adelaide.edu.au, limiting your story to 400 words.

1. Of the following options, how frequently would you prefer to receive *Lumen*?

- Twice a year
- Quarterly
- Annually

2. Please rate *Lumen* on the amount of content

- Not enough content
- The right amount of content
- Too much content

3. Which of the following best describes how you read *Lumen*?

- I skim through the headlines only
- I skim through and usually read a couple of the stories
- I tend to read most or all of the stories
- Other, please specify _____

4. How would you prefer to read *Lumen*?

- Online (on the University of Adelaide's website)
- Printed version
- Email newsletter

5. What kind of content would you like to see in *Lumen*? (You may select more than one)

- Vice-Chancellor's column
- Research
- Teaching and Learning
- Philanthropy
- Information about launches, events, new program initiatives etc
- Higher education policy and departmental directions
- Staff/student achievements
- Articles on current issues
- Guest feature writers
- Alumni happenings, births, deaths
- Campus infrastructure
- Other, please specify _____

6. Do you like to read alumni profiles? (You may select more than one)

- Local SA heroes
- International achievers
- Graduates in business and politics
- Outstanding researchers
- Everyday graduates making a difference

7. What other topics would you like to see in *Lumen*?

8. What do you like most about *Lumen*?

9 What do you like least about *Lumen*?

Tell us a little about yourself

Are you? What age group are you in?

- Male Under 18
- Female 19-29
- 30-39
- 40-49
- 50-59
- 60 and over

What is your occupation?

Where do you live?

- Australia Postcode _____ Overseas

Please indicate what best describes your employment status?

- Retired
- Working
- Studying
- Other – please specify _____

Do you have any dependents? (You may tick more than one box)

- Yes, aged under 10 years
- Yes, 11- 18 years
- Yes, over 18 years
- No

How often do you visit the University campuses?

- Every week
- Once a month
- Occasionally
- Never

How do you stay connected with the University? (You may select more than one)

- Adelaide onLION
- FaceBook
- Twitter
- Flickr
- I subscribe to the University's RSS newsfeed
- I read/receive *Adelaidean*
- Not at all

You may choose to remain anonymous or provide your details below to go in the prize draw

Name _____

Address _____

Phone _____

Email _____

Thank you for your time. Please return to -

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Australia 5005

You can make a difference

Valued at \$25 million, Santos' 1999 sponsorship of the University of Adelaide's establishment of the Australian School of Petroleum (ASP) remains a landmark in corporate philanthropy.

Santos' contribution represented the largest single corporate gift to the University of Adelaide to that time and, it is believed, to any Australian university.

The sponsorship provided for the building, from the ground up, and a purpose-designed new School, with specialised teaching equipment and state-of-the-art facilities for students.

More importantly, the impact of such generosity is still being felt by students and staff – the people who have made the ASP the world-class facility it has become.

The sponsorship included a significant amount for scholarships, giving the likes of first-year Bachelor of Petroleum Engineering student Ben Thomson (left) and final-year student Nicole Lovibond (right) the opportunity to forge a career in an industry of critical global importance.

It has also allowed the recruitment of a diverse range of staff from around the world, many with extensive experience in the petroleum industry.

Santos Chief Executive Officer and Managing Director David Knox (centre) says the partnership between Santos and the University of Adelaide has strengthened both organisations.

"We see our support for the Australian School of Petroleum as a long-term investment in helping today's students become the industry leaders of tomorrow," he says.

For more information about giving to the University of Adelaide, contact:

Development and Alumni,
+61 8 8303 5800 or email
development@adelaide.edu.au



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