

lumen

WINTER 2006

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LIFE IMPACT—THE UNIVERSITY OF ADELAIDE



University of Adelaide graduates make an impact in many fields of endeavour. Politics is one such field, and the University congratulates law graduate Julie Bishop on her elevation earlier this year to the Federal Cabinet and the Ministry of Education, Science and Training. She describes her time at Adelaide in this issue of *Lumen*.

In recent years, the University has attracted some outstanding, world-renowned scholars as it invests heavily in international talent. Among them is Federation Fellow Professor Alan Cooper, recruited from Oxford University, who has specialised expertise in molecular biology, especially ancient DNA. The building of a new facility in collaboration with the Department for Environment and Heritage will make Adelaide an international centre for large-scale research into the effects of climate change, bio-security and animal and human evolution, and Professor Cooper's work is the subject of the feature story in this issue.

The new ancient DNA facility is an example of the numerous partnerships in which the University is engaged. Others highlighted in this issue include: our partnership with The Smith Family to give students from disadvantaged backgrounds better opportunities to pursue tertiary education; our partnership with Qantas to give early career researchers the chance to benefit from international travel and collaboration; and the Proteomics Centre, a partnership between the School of Molecular and Biomedical Science and the Hanson Institute in the fight against cancer.

Partnership in a different sense underlies the new Heritage Appeal. The University of Adelaide is the custodian of a significant built heritage and the Heritage Appeal aims to help us preserve and transmit this heritage to coming generations. It is being made possible by the men and women who have so generously given of their time to lead the Heritage Foundation Working Party, and this issue recognises their commitment.

We also acknowledge those who give to the University through volunteering in a story about the work of the Volunteer Committee, established in 2004 to coordinate the diverse volunteer activities that take place across the University.

These are some of the Adelaide graduates and Adelaide research featured in this issue of *Lumen*. They reaffirm the inspiring impact that our University continues to make, and of which we can truly be proud.

PROFESSOR JAMES A. McWha

Vice-Chancellor and President

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The Lumen masthead is derived from the University of Adelaide motto "Sub Cruce Lumen"—the light (of learning) under the (Southern) Cross.

Lumen Online: www.adelaide.edu.au/lumen

Executive Editor: **John Edge**

Editorial Committee: **John Edge, Ben Osborne, Nicole Stones and Kim McBride**

Contributors: **Candy Gibson, Lana Guineay, Kim McBride, Robyn Mills, Ben Osborne, Nicole Stones**

Photography: **Barr Smith Library, Adam Bruzzone, Development and Alumni Office, Candy Gibson, Robyn Mills, Office of Ms Julie Bishop, Ben Osborne**

Front Cover: **Randy Larcombe**

Design: **Chris Tonkin** Pre-press & Printing: **van Gastell Printing**

Editorial Enquiries: **Marketing & Strategic Communications Office** • Phone: +61 8 8303 5174 • Fax: +61 8 8303 4829

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digging up the **past**

When Alan Cooper was a youth in New Zealand, exploring caves and using bones of the giant extinct moa bird to dig through rockfalls, he had little idea this would lead to an international career.



Twenty years down the track, the zoology professor heads a new world-leading research unit at the University of Adelaide, which hopes to answer some of Australia's most important evolutionary questions.

Professor Cooper has spent the past year establishing the Australian Centre for Ancient DNA, due to be officially opened on 24 July, 2006.

He was lured from Oxford University in early 2005 after winning a prestigious ARC Federation Fellowship and joining the University's School of Earth and Environmental Sciences.

The new hi-tech centre will provide a research facility for ancient DNA studies in the southern hemisphere, helping scientists to understand

Australia's past and better manage its future.

To the layperson, ancient DNA is best described as genetic material from the past which has been preserved. It is DNA which has been left behind in bones, teeth, droppings and even dirt.

Australia's extreme heat, compared to Europe and North America, makes ancient DNA research much more difficult as it accelerates the degradation of genetic material.

Professor Cooper and his team hope to work with specimens in Australia dating back 60,000 years.

"Radiocarbon dating (a method used to obtain age estimates on organic materials) is only effective up to about 60,000 years," he said. "Even to get to this age, we'll need to focus on

colder environments such as Tasmania, mountains in New Guinea, Antarctica of course, and possibly certain marine environments.

"A common mistake is to think that we're getting DNA from things like dinosaurs à la Jurassic Park, which died out over 65 million years ago. Obviously we're not, and the upper limit for survival under ideal deep frozen conditions is probably only about half a million years. However, we can use the ancient genetic information to study much older events, by combining with the fossil record and extrapolating backwards."

Ancient DNA can be used to study how populations and species have changed over time in response to major environmental events, such as



Alan Cooper - heading up world-leading ancient DNA facility at Adelaide.

FAR LEFT: Godfrey's Landing, Coorong National Park (photo courtesy of Adam Bruzzone). Preserved DNA records in the Coorong can tell us a lot about past environmental changes.

“This facility will put Australia on the international map very quickly”

mass extinctions, climate change and human impact.

“There are a lot of physical measurements about past climatic conditions—from ice cores and deep sea sediments—but often we’re more interested in the actual impact those changes had on species. Ancient DNA allows us to access that information.

“For example, our work on permafrost-preserved megafauna in Alaska and Canada showed the last glacial ice age around 22,000 years ago resulted in the decimation of the bison population and many other species.”

But it’s global warming that has scientists worried as the world enters the 21st century.

“Part of our research will involve analysing ancient DNA records to reveal the likely responses of species and populations to major climatic changes—in this case global warming.”

Australia’s climate makes it difficult to recover ancient DNA from the extinct giant marsupials of the mainland, but Professor Cooper believes Tasmania could still yield some fascinating discoveries.

“Tasmania has still got a lot of material buried in its caves. We are working with some of the cavers in the north-west of Tasmania and hope to recover DNA from some of the giant marsupials there.”

The other area expected to provide evolutionary answers for Professor Cooper’s team will come from dirt and the detritus—ecological dandruff—which it contains.

“Sediments tend to preserve genetic records. We’ll be looking at the Coorong, river systems, lakes and deep sea sediments because everywhere

we look there are preserved DNA records. These records can tell us a lot about past environmental changes and also provide information about pre-Aboriginal and pre-European environments.

“On a world scale, Australia’s experience with ancient DNA is not high. But there are some very important evolutionary questions down here, involving issues such as climate change, the evolution of the unique Australian biota, and the origin of Aborigines.

“We are also studying the evolution and spread of humans around the world, as part of the National Geographic’s Genographic Project. We’re examining samples from Neandertals and the ‘hobbits’ from Flores.”

Professor Cooper said the Centre for Ancient DNA would offer world-leading technology, providing Australian and international scientists with techniques currently considered impossible to extract and study DNA from specimens.

“This facility will put Australia on the international map very quickly,” he said. “It will train a new generation of scientists and provide access to the genetic past of our environment.” ■

Story Candy Gibson

Bishop signals education overhaul

The elevation of Julie Bishop to the Federal Cabinet earlier this year gives the University of Adelaide law graduate a chance to overhaul one of Australia's most critical areas—education.

Ms Bishop was sworn in as Minister for Education, Science and Training on 26 January.

It's nearly 30 years since Ms Bishop graduated with a Bachelor of Laws from the University of Adelaide in 1978. She then practised law and became a partner in the Adelaide law firm, Mangan Ey & Bishop before moving to Perth in 1983.

In Western Australia she practised as a commercial litigation solicitor with Robinson Cox (now Clayton Utz). She became a partner in Clayton Utz in 1985 and managing partner in 1994.

In the first two months in her new portfolio, the Education Minister has made her priorities clear.

On 10 February, Ms Bishop announced that main-round offers of university places in 2006 for school leavers had increased by 4.4% nationally. In South Australia, offers were up by 10.5%.

"This year there are 18,500 more higher education places in the sector than in 2004. By 2009 the Australian Government will have provided more than 39,000 new higher education places" Ms Bishop said.

Addressing the National Press Club in Canberra on 28 February, Ms Bishop said the Federal Government's policy initiative, the Research Quality Framework (RQF), would identify areas in which specific universities excelled.

"It is my intention that the RQF will be used to distribute a significant proportion of the research block funding that universities receive each year. The RQF will assess both the quality and the broader impact of research. Quality will focus on the inherent academic excellence of research, and impact will evaluate the economic, social, cultural and environmental usefulness of the research."

Within a month of her appointment, Ms Bishop announced details of the National Collaborative Research Infrastructure Strategy (NCRIS) Roadmap, a \$542 million initiative, which outlines priority research areas identified by the Federal Government.

The priority investment areas identified for 2006 include: evolving bimolecular platforms and informatics; optical and radio astronomy; integrated marine observing systems; and the structure and evolution of the Australian continent.

On 10 March, Ms Bishop invited universities to apply for a share of \$27 million funding under the Australian Government's Workplace Productivity Program.

The program aims to reform efficiencies and human resources in the nation's universities.

"The Workplace Productivity Program will assist Australia's universities to become more efficient and competitive," Ms Bishop said.

She told *Lumen* that she was looking forward to the challenges presented by her new portfolio.

"In relation to education, I want to ensure the sector—from primary and secondary to vocational and tertiary—provides opportunities for every Australian to become a well-rounded, physically and mentally healthy contributing member of our society.

"I am also keen to ensure that the education sector keeps pace with the rapid changes occurring in our community and in our workplaces."

Ms Bishop described her time at the University of Adelaide in the mid-1970s as "a wonderful experience".

"I studied law, but seemed to spend as much time in the (then) old Tech Refectory as I did in lectures!"

She was elected secretary of the Law School Students' Association and had a direct role in organising the essential events in the Law School calendar—"the pub crawls down Hindley Street and Rundle Mall, the Law School picnic at McLaren Vale and the Law School ball at Burnside Town Hall".

Her favourite lecturers included Professor Ivan Shearer, Professor Alex Castles and Professor Simon Palk. ■

Story Candy Gibson

*Julie Bishop in Parliament
Photo courtesy of Ms Bishop's office*





Engineered for success

A South Australian engineering firm which provides a global consulting service on water distribution systems, saving companies millions of dollars, has its roots at the University of Adelaide.

Optimatics specialises in developing cost-effective and efficient designs for piped water distribution systems.

Established in 1996, Optimatics grew out of a University of Adelaide PhD project by Laurie Murphy on the use of genetic algorithms for pipe network optimisation. The project was supervised by Professor Angus Simpson and Professor Graeme Dandy from the School of Civil and Environmental Engineering. Professor Simpson and Professor Dandy are directors of Optimatics and Laurie Murphy is a senior modeller with the company.

Genetic algorithm (GA) optimisation is a technique that is used to solve complex water network problems by evaluating hundreds of thousands of possible solutions and finding the best outcome. The solutions are generated in a highly structured manner, similar

to population genetics, using operators such as selection, crossover and mutation.

Professor Dandy said that since its inception the company had carried out more than 80 urban water and irrigation studies worldwide for clients in Australia, the USA, Canada, the UK and New Zealand.

“The clients are mainly water utilities or irrigation authorities. For example, Gold Coast Water and Murrumbidgee Irrigation in Australia, the City of San Diego in the USA and Severn Trent in the UK have each supported a number of optimisation studies by Optimatics,” Professor Dandy said.

“By using Optimatics, companies are saving in the order of 15% to 50% of the capital costs of their systems while still meeting all of the required performance criteria. For example, on a project for San Diego, Optimatics

achieved cost savings of 36%—or \$20 million—for their Californian client.

“More recently, Optimatics has carried out studies on optimising system operations aimed at improving water quality. A study of system operations in Las Vegas, for example, reduced the average age of water supplied to consumers by 13%—leading to an expected improvement in water quality.”

Export earnings alone account for more than 60% of Optimatics’ revenue stream.

The General Manager of Optimatics, Tim Anderson (a University of Adelaide graduate in civil engineering), said the company had a track record of applying optimisation to real water distribution systems for the past ten years.

To date, the focus has been primarily on cost savings, but Optimatics is now starting to consider



Graeme Dandy (left) and Tim Anderson (right) with the members of the Optimatics team

sustainability, environmental and social aspects of piped networks as well.

"We recently completed a study in New South Wales that looked at energy requirements and the quantity of materials used in pipes, rather than purely at cost," Mr Anderson said.

"A lot of the systems we are dealing with are pipes below the ground so they do not have a significant environmental impact, but you still have to consider the energy required to pump water through the pipes as well as the energy required to manufacture the pipes themselves," he said.

Optimatics is also in the process of branching out to wastewater and stormwater systems, providing new opportunities for the company's continued growth.

Optimatics was recently awarded a \$414,545 Commercial Ready Grant by the Federal Government through AusIndustry to develop, in association with the University of Adelaide, a software tool to provide more efficient and effective designs for complex sewer collection networks and stormwater catchment drainage systems.

Professor Dandy said other opportunities for commercialisation were opening up all the time in the engineering faculty.

"The School of Mechanical Engineering, for example, has developed a greatly improved design method for air conditioning systems, and Professor Simpson and Associate Professor Martin Lambert in the

School of Civil and Environmental Engineering are developing new techniques for detecting leaks in pipes."

Optimatics' growth rate has been impressive. In the past year alone it has employed four new staff including two graduate engineers, boosting its staff to more than 20, with offices in the USA and UK. It also plans to open an office on the Gold Coast this year.

Most of the engineering staff employed by the company, including three women, are graduates from the School of Civil and Environmental Engineering at the University of Adelaide.

In May 2005, Optimatics won the South Australian Water Industry Alliance Innovation Award with its world leading development of Distributed GA computing, allowing the company to use a suite of up to 200 computers on one project.

The previous year, Optimatics took out the Export Development Award offered by the Water Industry Alliance.

"This is big business we are talking about because our work is saving companies many millions of dollars," Mr Anderson said.

"When you consider that in South Australia alone there are 25,000 kilometres of water supply pipelines and the circumference of the earth is 40,000 kilometres, you get an idea of the enormity of the opportunities," he said. ■

Story Candy Gibson



Have Your Say!

At the University of Adelaide we are interested in hearing from you, our alumni and friends, about the types of services we currently offer and how those services can be improved. To help us build a better picture of your needs, we invite you to complete our on-line survey, which is available at www.adelaide.edu.au/alumni. The survey will be accessible until 31 August 2006.

The more responses we receive to the survey, the more accurate a picture we can build of the types of services you want to receive from us. The survey should only take five minutes of your time to complete and all replies will be treated as confidential. We will provide you with an analysis of the survey results in the summer edition of *Lumen*.

If you complete the survey before 31 August 2006, you will be in the running to win one of 4 handy 256Mb USB flash drives valued at over \$80.00 retail.



Pilot Survey Results— Perpetual Email Service

What is Perpetual Email?

Perpetual Email is a forwarding service that does not have an In Box, but provides a permanent email address which forwards messages to a chosen email account.

Who can Access it?

Perpetual Email is currently available to graduates from 2003 onwards, free of charge.

Survey

From December 2005 to March 2006, a small number of alumni participated in an on-line pilot survey to help us determine if there is a demand for broadening the Perpetual Email service to include the wider alumni community. Of the 207 responses, 195 declared that they would be interested in accessing the service. The results of the survey will form part of a business case for the expansion of the Perpetual Email service.

Scientist rubs shoulders with celebrities

Celebrated Australian scientist
Dr Mark Hutchinson owes a
huge debt to his grandmother.

If not for her, the 28-year-old graduate from the University of Adelaide would not have attracted world attention for his research into morphine addiction.

Dr Hutchinson was awarded an American-Australian Association Fellowship in 2005, receiving his accolade from Rupert Murdoch in New York.

Now living in Boulder, Colorado, Dr Hutchinson graduated with a Bachelor of Science degree with First Class Honours from the University of Adelaide in 1999, majoring in microbiology, immunology and pharmacology.

The former Pulteney Grammar student just scraped into university after a severe battle with chronic fatigue syndrome in his teenage years. It was his grandmother who suggested he study Molecular and Cellular Biology as a first year subject.

"My fascination with biological subjects was sparked from the outset," Dr Hutchinson said. "My initial grades were not great, but every year they improved."

Dr Hutchinson did Honours with Professor Andrew Somogyi in the pharmacology department and excelled under his supervision.

“For my PhD I wanted to combine immunology and pharmacology. My interest with opioid medications and pain relief in association with immunology led to a project to investigate opioid modulation of immune function.

“In hindsight, the manner in which Professor Somogyi and I approached this question was quite revolutionary. I did a systematic evaluation of more than 50 different opioid compounds and what they did to the immune cells in tissue culture.

“Amazingly, this initial work has become even more relevant today.”

Dr Hutchinson looked at morphine, heroin, codeine and methadone and how they modulate peripheral immune cell function.

“I found that these drugs modify immune cells in a very different way to the action they have on nerves. I had no idea of the significant implications this could have—until now,” he said.

The second project Dr Hutchinson worked on with Professor Somogyi looked at the response of human immune cells in blood to morphine exposure in tissue culture.

“We found that the degree to which immune cells responded to morphine in cell culture was highly related to the person’s pain tolerance. This was a substantial departure from the common belief that nerves control pain.”

With this data and the published material resulting from it, Dr Hutchinson was awarded the Australian Fresh Science Award.

“It was this award which opened my eyes to the fact that I needed to make my research relevant and available to the general public and not just the scientific community.”

Dr Hutchinson’s findings led to a new direction in his research—

studying the immune cells in the brain, known as glia.

It made sense to contact the world expert on glia and pain, Professor Linda Watkins, who is based at the University of Colorado in Boulder.

Dr Hutchinson organised a meeting with Professor Watkins and presented a seminar during a trip to the US in 2003 for a Society for Neuroscience conference.

The rest is history.

Dr Hutchinson’s wife, Amanda, was completing her Masters in Clinical Psychology at the University of Adelaide at the same time and wanted to further her research opportunities in neuropsychology.

“*Adelaide has the perfect opportunity to become the Australian hub of glial research*”

In a twist of fate Amanda learned that a world leader in neuropsychology, Professor Marie Banich, was head of the Institute of Cognitive Science at the University of Colorado.

Amanda is now doing her PhD externally from the University of Adelaide’s School of Psychology under the supervision of Associate Professor Jane Mathias and Professor Marie Banich.

In order to relocate to the US, Dr Hutchinson required funding and was successful in being awarded a grant from the International Association for the Study of Pain, as well as an American–Australian Association (AAA) Fellowship. He is the 2005 AAA Merck Company Foundation Fellow.

“The AAA funding has opened doors I never thought any medical scientist from Adelaide would enjoy and it has provided a platform for my research to be heard by a wide range of people.”

In November 2005 media mogul Robert Murdoch presented the AAA Fellowship to Dr Hutchinson at a ceremony in New York. Two months later, Dr Hutchinson was asked to speak at the G’day LA Week gala dinner.

“This was an extraordinary experience as there were more than 1200 guests, including movie stars, political and business leaders. I met Olivia Newton-John, John Travolta, Hugh Jackman, Eric Bana as well as various politicians, including Peter Costello.”

Dr Hutchinson’s current work involves studying the role of glia (immune cells in the brain) in a person’s response to morphine.

“I am trying to understand why opioids do not work in some patients, why they lose their efficacy after multiple administrations, and even their role in reward, addiction and dependence to opioids.

“The exciting part of my work is that we are very strongly implicating glia in each of these processes. These findings have immense clinical implications. For example, we have been able to dramatically reduce the dependency to morphine by stopping glial activation.

“The work I did at the University of Adelaide on peripheral immune cells has led to amazing breakthroughs in our understanding of how opioids interact with glia,” Dr Hutchinson said.

The Adelaide scientist is keen to return to his home town and continue his research at the University of Adelaide.

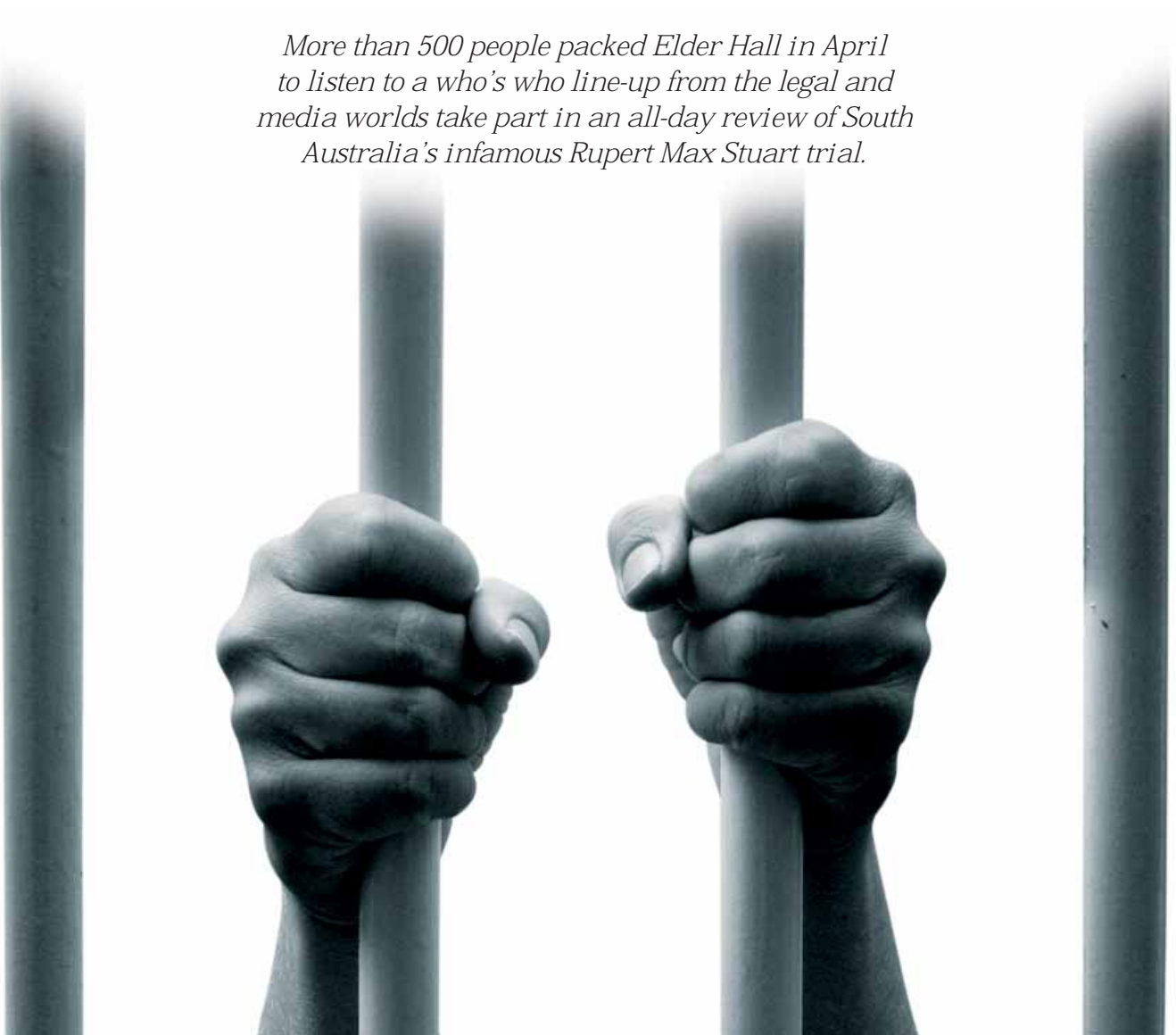
“Very few people in Australia are conducting glial research, so Adelaide has the perfect opportunity to become the Australian hub of glial research. I would hope to establish a collaborative team working in the field of neuroimmunopharmacology with glia central to this research,” he said. ■

Story Candy Gibson

The Stuart case:

still raising controversies

More than 500 people packed Elder Hall in April to listen to a who's who line-up from the legal and media worlds take part in an all-day review of South Australia's infamous Rupert Max Stuart trial.





Legal Associates Lisa Loechel and Kathryn Varlett with Geoffrey Robertson at the Stuart Case Hypothetical

When Geoffrey Robertson QC, internationally renowned human rights lawyer, broadcaster and author, stood at the podium and started to describe the night nine-year-old Mary Hattam was murdered, there was complete silence across the Hall.

“A town at nightfall, a child is reported missing,” he started. “The men take lanterns and torches, holding them aloft, combing the countryside where the child last played.”

After that vivid start, Geoffrey Robertson led a series of panellists through a discussion of the contemporary legal and social issues sparked by the case—all in his own inimitable style.

Earlier, University of Adelaide Chancellor, the Hon. John von Doussa, welcomed the large audience to the University and the seminar, ‘Politics, Power, Justice and the Media: controversies from the Stuart Case’, held on 1 April.

High Court Justice Michael Kirby then gave the keynote address, eloquently summarising the case and the complex legal and political issues—with barely a reference to his notes. He outlined the improvements to the legal system since the Stuart case days that should help prevent miscarriages of justice.

“Today we are reflecting on the errors of this case and problems that still remain and what we should do about them,” he said.

The 1959 conviction of Rupert Max Stuart for the murder of Mary Hattam and the subsequent appeals and Royal Commission remain the most discussed criminal case in South Australia’s history. The case is regarded as a turning point in South Australian politics and launched Rupert Murdoch’s rise to international fame and prominence.

Rupert Max Stuart was an itinerant Aboriginal from Central Australia. His conviction was based on a typed confession in precise, educated English.

Geoffrey Robertson guided the panellists through the issues: the public pressure to locate and convict someone; preparation for the trial including legal aid and resources, language difficulties and representation; confessions and the use of forensic evidence; appeals, media campaigns and fresh evidence; the intrusion of politics into the legal arena; capital punishment, rehabilitation, probation and parole; and freedom of the press.

The debate was interspersed with extracts from the films and documentaries made on the case, including Craig Lahiff’s feature film *Black and White* starring Robert Carlyle, which Lahiff and his director Helen Leake edited for the day. They also took part as panellists.

Other prominent participants included publishing legend Richard Walsh; high profile editor Alan Howe; criminologist Professor Paul Wilson; author of *The Stuart Case* Professor

Ken Inglis; Walkley-Award investigative journalist Estelle Blackburn; capital punishment opponent and daughter of Sir Thomas Playford, Dr Margaret Fereday; and Helen Langley, first cousin of Mary Hattam.

The seminar was arranged by the University of Adelaide’s John Bray Law Chapter, the Development and Alumni Office, the Law Society of SA and the University’s Law School.

President of the John Bray Law Chapter, John Keeler, said: “The continuing interest of the Stuart case isn’t just in the courtroom drama and whether the conviction was right.

“It lies in whether the criminal justice system treated—and treats—individuals and minorities fairly, and it’s about relations between the Government and the press in controversies with powerful and emotional legal and political impacts. The Stuart case is symbolic of enduring issues of human rights and press freedoms.

“The Chapter aims to bring informed discussion of legal issues to the South Australian community. The seminar was very successful—producing debate about changes in the justice system, society and the nature of the media since the Stuart case, and the extent to which there are still deficiencies in the protection of fundamental freedoms, even after those changes.” ■

Story Robyn Mills



Partnership in the fight against cancer

A new \$3 million research centre at the University of Adelaide that will help in the fight against cancer is the result of a successful joint bid by the University's School of Molecular and Biomedical Science and the Hanson Institute.

The research partners won \$1.5 million in funding from the Australian Cancer Research Foundation (ACRF) from strong national competition and recently opened the Adelaide Proteomics Centre. It is the biggest private foundation research grant awarded in South Australia, and is also the largest individual grant awarded by the ACRF in its 21-year history.

Located in the Molecular Life Sciences building, the Adelaide Proteomics Centre is a world-class facility with the latest state-of-the-art proteomics equipment. It was formally opened early this year by Ms Jennifer Rankine, who is now Minister for State and Local Government Relations.

The remaining \$1.5 million of funding was contributed by the University and its funding partners, the Hanson Institute, the Australian Research Council, the CSIRO and the State Government through BioInnovation SA.

Proteomics is the next step on from the mapping of the human genome. Scientists involved in proteomics

research undertake the identification and quantification of proteins, and the determination of their localisation, modifications, interactions and activities. This will ultimately lead to a complete understanding of the function of all proteins produced in the body.

By better understanding the molecular interactions involved in the operation of living cells, scientists will be further equipped in their quest to cure or prevent cancer, and many other diseases like Alzheimer's, Parkinson's, and multiple sclerosis.

Dr Peter Hoffmann, a proteomics specialist, has been recruited to Adelaide from Germany to direct the centre. The centre also features such world-class researchers as the University of Adelaide's Professors Shaun McColl and John Wallace, and Professors Angel Lopez and Jennifer Gamble from the Hanson Institute.

"Proteomics is an exciting new science and the establishment of the Adelaide Proteomics Centre here means the University of Adelaide will be at the forefront of developments in this field," Dr Hoffmann says.

"The Centre has two high-tech laboratories with the latest equipment, including a specialised mass spectrometer which is the most advanced instrument of its kind in Australia."

Professor McColl says the facility is the most sophisticated proteomics centre in Australia.

"By being able to directly access this technology, University staff and students and other scientists will have the opportunity to significantly increase their productivity in cancer research, as well as research into basic biological processes and other diseases," he says.

"It further underlines the contribution and impact that the University of Adelaide makes in Australia's biotechnology success, and is a significant investment in the future of biomedical and biotechnology research and teaching in South Australia." ■

Story Robyn Mills

A passion for he

A Shared Passion:

United by enthusiasm and a common sense of purpose, the Heritage Foundation Working Party is working hard to maintain our precious heritage buildings for future generations.

Story Lana Guineay



Chair's Report
Theo Maras

As the third-oldest university in Australia, the University of Adelaide is proud of its heritage and the heritage buildings that grace our campuses. No better examples can be seen than those that sit proudly on North Terrace, a space that has become very much a public amenity and a wonderful addition to the atmosphere of the city.

The Heritage Foundation Working Party is a perpetual trust ensuring these buildings are maintained and restored for future generations. To this aim, we have made connections with alumni not only throughout Australia, but all over the world. We're looking to these past students to help preserve our heritage buildings, not only giving back to the facilities that served them in their development, but also to give something for the future, for their own children.

When my grandfather came to Australia in 1928, he could not read or write. He wanted a better life for his children and their children, and saw that education was the key. Here I am today, able to contribute to such a worthy cause, and I consider it a privilege. Like my grandfather, I believe the future for our children, and their children, is education. It's a cause I'm passionate about.

My fellow Working Party members share my passion. We're a diverse bunch, committed and absolutely enthusiastic about the challenge before us. I won't say we're over-confident, but respectfully confident of our ability to make a real difference.



University Support

Anne Gribbin and Robyn Brown from the Development and Alumni Office have been working with the Party, providing specialist fundraising advice, strategic planning, relationship management of donors, and donor research. Their combined development skills and fundraising experience have seen them raise in excess of \$100 million from a range of higher educational and not-for-profit sectors, over a period of 15 years.



Chris Chong

Chris Chong began his long and profitable association with the University over fifty years ago, when he came to Adelaide as a Colombo Scholar. Since then, Chris has maintained a constant link to the University, founding the West Malaysia Alumni Chapter and serving as its President for a number of years, organising the Australian Universities International Alumni Conventions, and acting as the International Member of the Alumni Association Board, as well as participating in the Heritage Foundation Working Party.

"We should try to instil into the young generation that they should remember the University, the community they work in, in short, our society. We should put back in as much, if not more, as we get out of it," says Chris.

ritage



Greg Crafter

"Being a member of the Working Party is my way of repaying the University for what it has given me, and it is also a contribution that I can make that will be a benefit to future generations of South Australians," says Greg Crafter.

Greg has a strong connection to the University of Adelaide. Not only is he a University of Adelaide law graduate, he served as Chairman of the University's Alumni Association for more than five years, and is a long-time member of the University's Council. As the Minister of Education in South Australia from 1985–1992, Greg maintained a close relationship with the University.

"Our heritage buildings are a vital part of the heritage of South Australia," says Greg. "But they're also living buildings. They're buildings we want to see continue as an important part of our teaching and learning."



John Kiosoglous

John Kiosoglous (MBE) is a devoted advocate for education, ethnic and legal causes. His involvement with the Heritage Foundation continues a strong tradition of community leadership, for which he was a South Australian finalist for the 2004 Senior Australian of the Year. John has filled a range of positions in local government, education and multicultural affairs, and was a practising lawyer for over 40 years, including 30 years as a magistrate and a senior member of the Australian Administrative Appeals Tribunal. Today, he commits his skills to furthering causes such as the Heritage Foundation.

"Our role is not only to raise money, but also to make the general Australian community aware of the existence of such heritage buildings and their preservation. Being a former student, as well as having two children who graduated from the University of Adelaide, the cause is personal. I'm committed to the preservation of its heritage buildings for future generations to enjoy. Their loss would be irreplaceable."



Pamela Martin

"Our heritage buildings are the heart of the University and as such, they require constant maintenance to keep them usable and relevant," says Pamela Martin. "They demonstrate to us the vision of our forefathers and demand from us vision for the future. They are also a focus for the whole of the community of South Australia and as such provide tangible links between town and gown."

Working as a Commercial Solicitor in the Department of the Premier and Cabinet, Pamela brings specialist advice, skills and links to Government—as well as enthusiasm and a strong sense of purpose—to her role in the Working Party. Pamela has been involved with the University of Adelaide as a graduate, a tutor and a Member of Council before taking up the challenge of the Heritage Foundation.



Andrew Strickland

"The Heritage Foundation is a practical way for the University of Adelaide's community to contribute in a specific, demonstrable and ongoing way to both the fabric of the University and its vital role in education," says Andrew Strickland.

Andrew's career in State and Commonwealth senior management, coupled with his experience teaching at a number of universities, gives him a unique insight into university funding. He sees the Foundation as a way to free up funds for the University's core tasks of learning, teaching and research.

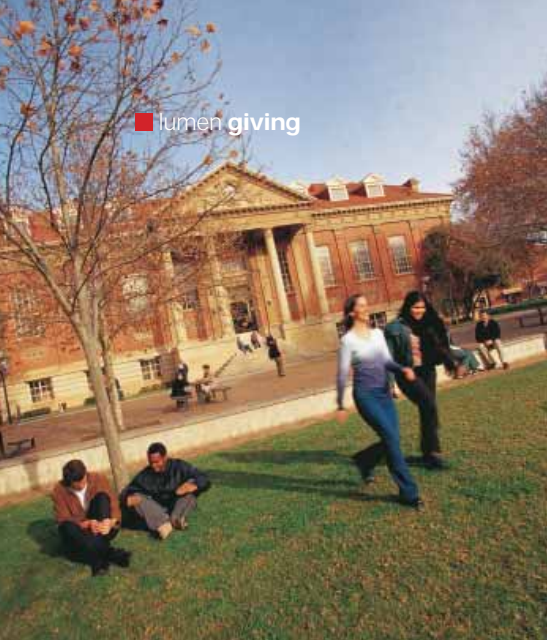
"I am concerned in these days of diminishing federal funds that the University has the resources to continue to play a significant role in the development of human resources in this State, and more widely in Australia and the region," says Andrew. "It is vital that the University continues to give students and researchers the opportunity to push the boundaries of intellectual inquiry."



Ian Wilson

The Hon Ian Wilson (AM) spent 24 years in Federal Parliament as the Member for Sturt, including time as Minister for the Environment and Home Affairs, when he signed off the World Heritage listing of the Great Barrier Reef, and saw the beginning of the National Heritage List with the publication of *The Heritage of Australia*, events that further inspired his enthusiastic support for heritage issues.

As an Adelaide law graduate and the University's 1955 Rhodes Scholar, it was natural for Ian to link his interest in heritage to his alma mater. "The University's heritage buildings are icons of the city and the state, and draw people to Adelaide" says Ian. "It's important for us to establish a way to preserve these buildings which is fair, and ensures that the whole community can enjoy and use these buildings, today and in the future."



The Personal Touch

Barr Smith Library Appeal 2006

Home of knowledge and the nucleus of University life, the Barr Smith Library is South Australia's biggest library, housing 2.1 million items on over 63 kilometres of shelving. At the cutting-edge of Australian research collections, the Library is a barometer of the University's intellectual vigour and a key resource for staff, students and the wider public alike.

The collegiate atmosphere, magnificent Reading Room and seemingly endless collection of materials has provided an invaluable resource to students for over seventy years, often beginning an enduring bond that stretches beyond the years of study.

Your financial support of the Library through the Barr Smith Library Appeal will underpin the Library's future as the premier library in South Australia, and ensure that we continue to foster first-class learning, teaching and research.

Every book is an investment in the quality of the Library and the depth of expertise available to our students. For further information about how you can make a tax-deductible donation, please contact Robyn Brown, Development and Alumni:

Email: development@adelaide
 Telephone: +61 8 8303 4994
 Facsimile: +61 8 8303 5808
 Or you can visit our website at www.adelaide.edu.au/alumni/giving



Morgan Newman



Doug Anders

Giving to the University of Adelaide is a personal experience, as a new Giving Prospectus shows.

"You can give to the University one teaspoonful at a time," says ninety-one-year-old Doug Anders, University of Adelaide alumnus and ongoing supporter. Doug's connection with the University began in 1936 with a Bachelor of Science and has continued ever since, most recently by supporting a cause that is close to his heart.

Doug's way of giving must rank among the most unique—he feeds fish. Every month for over three years, Doug has paid to feed the Centre for the Molecular Genetics of Development's (CMGD) zebrafish, the laboratory animal of choice among a new generation of genetic researchers. His donations allow researchers like PhD student Morgan Newman to conduct groundbreaking investigations into the causes of Alzheimer's. Doug's interest in the research is personal: his wife of 61 years, Marjorie, was diagnosed with the disease.

Doug's is just one story featured in the University's new publication outlining the options for giving that are available to donors. Focusing on the links between giving and receiving, and the personal connection that inspires

people to give, the Prospectus shares the stories of people like Doug and Morgan who have been affected by generosity.

Donors can give to the University of Adelaide in a range of ways depending on capacity, inclination or personal area of interest. This is the first time that the University has provided a comprehensive guide to giving opportunities for people who are considering supporting the University, financially or otherwise.

All donations, regardless of size, are an investment in the intellectual and creative atmosphere that helps to produce extraordinary graduates. It is through a strong network of support that the University of Adelaide can continue to offer outstanding programs, develop a thriving culture of research, and provide unique resources, such as the Barr Smith Library. ■

To obtain a copy of the Giving Prospectus, please contact the Development and Alumni office or visit website at www.adelaide.edu.au/alumni/giving to download a PDF version.



Volunteering advocate

Lindsay McWha is the first Patron of the University's Volunteers Committee. Here she tells Lumen about her advocacy for volunteering and volunteers' rights, and maintains that volunteering should be about receiving as well as giving.

As the Vice-Chancellor's wife, Lindsay McWha plays an active part in University life and, although she wouldn't say it herself, is a great asset to the VC—attending celebratory occasions and functions, interacting with people from the community and the University in a less formal way, bringing her own quiet charm to the proceedings.

She was particularly pleased, however, to be asked to be Patron of the Volunteers Committee: "In this role I'm participating in the life of the University in my own right, rather than as an appendage."

Volunteering is something Mrs McWha has been interested in for some time. "My previous experience with volunteering has been through my profession as an occupational therapist. Until we came to Adelaide in August 2002 I worked as a clinician. In New Zealand I worked within the community as a consultant occupational therapist helping set up a respite centre. As part of that project I was involved in recruiting, training and supporting volunteers."

She is continuing her volunteering interests in Adelaide, not just as the Patron here but also on the editorial

team of the Journal of Occupational Science and with the Embroiderers' Guild of South Australia.

"It's a good way to learn more about the community, meet more people, find out how the place works, just getting involved."

There is a long history of volunteering at the University of Adelaide in many forms, including: the Florey Medical Research Fund; the Barr Smith Library Volunteer Group; the Alumni chapters; the national award-winning Radio Adelaide, which has hundreds of volunteers; groups at the Waite, and many others. ►

Volunteering advocate

“There are people who have been volunteering with the University for many years,” says Mrs McWha. “Many are alumni; they enjoyed their time at the University and want to continue to be involved.

“It’s important, however, that people know about volunteers’ rights and rewards. The rewards for volunteering should be very visible. Rather than people just being asked to give, we should look at what volunteers can gain by volunteering.”

There are real benefits for volunteers, Mrs McWha says. There’s the ‘feel good’ factor; the knowledge you are helping the community; and the very valid benefit of gaining work experience. And from the University point of view, volunteers make an enormous contribution.

Another important factor in formalising volunteering at the University was recognising the rights

of volunteers. There are now clear policies in line with Volunteering Australia’s national standards.

“Insurance was an area which needed to be clarified. There is also now information and guidelines about the support available and possible training, and there are formal position descriptions.”

Lindsay McWha finds it very rewarding. “At Roseworthy last year as part of the Centenary Celebrations, Archives wanted to mount an exhibition. There were lots of photographs but they weren’t annotated. A number of Roseworthy Old Collegians volunteered to help with this.

“Using their skills and knowledge helped this group feel part of the University. And now there’s new involvement with the Roseworthy museum, so the whole project is gathering momentum.”

The important thing about volunteering is to match people and their skills with the work on offer and in areas where they think they can help.

“For instance, at the Waite, volunteers are tour guides of Urrbrae House and the Historic Precinct. Others help plant native trees and clear feral olive trees, work in the arboretum and with TREENET—there is a range of tasks to choose from so that people can find an area appropriate for them. There is a whole team of people working in the rose garden and they get such joy from doing it. I think that’s really valuable. Work doesn’t have to be paid but volunteers must enjoy it.” ■

Story Robyn Mills

For further information on Volunteering at the University of Adelaide visit www.adelaide.edu.au/volunteers

Creating a better future



Giving students from disadvantaged backgrounds better opportunities to pursue university education is the aim of a new partnership between the University of Adelaide and The Smith Family.

The University will contribute \$90,500 to The Smith Family’s Learning for Life program across three years. The Smith Family is a national, independent social enterprise that supports disadvantaged children and their families to create a better future through education.

The funds are being directed towards the personal and educational support of students in the western and north-western suburbs of Adelaide who would otherwise face financial barriers to study.

Learning for Life provides disadvantaged students with financial and personal support to help keep them in the education system, increasing their chances of breaking out of the cycle of disadvantage.

“The University of Adelaide sees this community partnership with The Smith Family as a perfect alignment of two organisations that understand the importance of education in shaping our

destinies,” University of Adelaide Vice-Chancellor Professor James McWha says.

“The Smith Family’s Learning for Life program dovetails with the objectives of the University of Adelaide’s Fairway Scheme, designed to increase chances of university entry for students from regional areas and also schools that are traditionally under-represented at university level.”

Anna Smith, Access and Equity Officer, in the University’s Prospective Students Office, is co-ordinating activities and support for the new Learning for Life students.

This year they will be linked in with the University’s SmoothStart program run by Student Support Services. The aim is to assist students from under-represented groups to integrate successfully into university life through mentoring, peer support networks and social activities to help them make friends.

Anna is also developing on-campus activities for Learning for Life students still at school so they can become familiar with the university environment and get a taste of the potential study opportunities.

The Smith Family’s South Australian General Manager, Grant Goodall says: “Many of the students on our Learning for Life program are the first in their family to attend university, so these sessions will be particularly valuable in helping students find their feet.

“Our research clearly demonstrates that a good education can prevent financial hardship later in life. We strongly believe that students who have the capacity and desire to study at a higher level shouldn’t be limited by financial disadvantage. We’re delighted that the University of Adelaide shares our conviction and is prepared to make such a significant contribution.”

Professor McWha adds: “The aim of this partnership is not only to improve the educational outcomes and aspirations of these students and ultimately to increase their participation in tertiary education, but also to enhance the University’s interaction with the broader community in a tangible way”.

Story Robyn Mills



Sarah Meehan and Heath Ecroyd – beneficiaries of Qantas partnership

Have knowledge, will travel

Two leading University of Adelaide post-doctoral researchers will visit the UK later this year to get a better insight into age-related diseases such as Parkinson's, Alzheimer's and cataracts.

Dr Sarah Meehan and Dr Heath Ecroyd from the School of Chemistry and Physics are recipients of the Qantas Research Travel Support Scholarship, a collaborative scheme being pioneered by the University and Qantas to support international researchers.

The pair will conduct X-ray solution scattering experiments at the synchrotron radiation facility at the Daresbury Laboratory in England to determine how the body's natural defence mechanisms can help fight debilitating age-related diseases.

"As people age, proteins in their body become unstable and clump together to form abnormal deposits. This can be potentially lethal and is linked to Alzheimer's, Parkinson's and Huntington's diseases," Dr Meehan says.

"As a defence strategy, cells produce chaperone proteins which prevent

them from forming abnormal or 'amyloid' deposits.

"Our objective is to investigate how this protective chaperone machinery operates and determine how it can revitalise cells. If we can understand this natural defence mechanism better, it will aid in the development of treatments and cures for these age-related diseases."

Dr Ecroyd says the aim of the research is to delay the onset of age-related diseases in the future.

"This is a really exciting area of research. There is rapid progress being made in this field and it will have huge implications for the UK and Australia because of the ageing population."

Dr Meehan completed her degree in Chemistry (MChem) at the University of Oxford in 2000 and transferred to Cambridge University to begin her PhD. She was part of an

internationally renowned and world-leading group focused on research into protein abnormalities and disease.

At the closing stages of her PhD, Dr Meehan was awarded a prestigious 18-month International Fellowship from the Royal Society to undertake research at the University of Adelaide with Professor John Carver.

Dr Ecroyd completed his PhD at Newcastle University and then spent two years in France, undertaking a post doctorate at INRA, the French National Institute for Agricultural Research, where he worked on the protein responsible for Mad Cow Disease.

Dr Ecroyd joined Professor Carver's research as a National Health and Medical Research Council Peter Doherty Fellow in 2005. ■

Story Candy Gibson

Family weaves a succe

One of Adelaide's high profile academic families will remember the years spanning 1999 to 2004 as poignant ones, for a number of different reasons.

It was a period marked by academic highlights for the Webb family, and also of great sadness, with the death of former Chancellor of the University of Adelaide, Bruce Webb, in 2000.

Over five consecutive years, a family member stepped up to the graduation plate at the University, either as a recipient or a presenter.

Between former Chancellor, the late Bruce Webb AM, and two of his offspring—Anna and Jonathan—eight graduations have been celebrated at the University of Adelaide.

It's a moot point whether another family has enjoyed such a strong connection, or academic record, in the University's 132-year history.

Bruce Webb AM paved the academic path for his children, graduating with a Masters in Geology at the University of Adelaide in 1955. He began his career as a field geologist in Broken Hill and rose to prominence in 1972 after being appointed Director-General of the South Australian Department of Mines and Energy.

During his distinguished career, Mr Webb served on many government bodies and in 1992 was made a Member of the Order of Australia for his services to the minerals and energy industry.



Mr Webb was Chancellor of the University of Adelaide from 1998 to 2000. In the intervening years he maintained close ties with the North Terrace campus, serving as a member of the University Council since 1955 and as convenor of the University's Finance Committee. He died in 2000, aged 73, after a short illness.

Former Vice-Chancellor, Professor Mary O'Kane, described the late Mr Webb as a man of "intelligence, kindness and one with a huge commitment to education.

"He was committed to establishing the University of Adelaide as one of the world's great universities and he was a strong believer in the need for the University to develop strategic partnerships."

One such partnership—with Oxford University—has borne fruit in a very personal sense for the Webb clan.

Anna and Jonathan Webb with their mother Marilyn and the late Bruce Webb at Anna's graduation. Photo courtesy of the Webb family.

Last December, 25-year-old Jonathan Webb was awarded an Australia-At-Large Rhodes Scholarship to undertake a Masters of Philosophy in the History of Science, Medicine and Technology at Oxford University.

Jonathan completed a Bachelor of Arts in 2001 and a Bachelor of Science (Honours) in Molecular Biology in 2004. He is currently doing PhD research at the University of Adelaide with Dr Kirk Jensen in the School of Molecular and Biomedical Science.

In the tradition of the Rhodes Scholar, Jonathan is not only an outstanding academic performer, but is also heavily involved in the community through Anglican Church outreach services and fund raising for the Multiple Sclerosis Society.

ssful web

Jonathan has performed in many musicals, including two seasons of *Les Misérables*, which raised over \$250,000 for Multiple Sclerosis, and also allowed him to exercise his love of the arts. He has enjoyed a long association with church and university choirs and currently sits on the executive of the Australian Intersarsity Choral Societies' Association.

His sister, Anna, has also been blessed with academic and artistic talent.

28-year-old Anna graduated with a Bachelor of Arts in 1999, majoring in German and Japanese as well as studying some Linguistics, English and Philosophy.

Anna began studying for her Bachelor of Music in 1996, first as a violinist and then taking up the viola two years later. She graduated with Honours in 2001. To top off her two degrees, Anna completed a Graduate

Diploma of Education in 2004. All of this study was mixed with an increasingly hectic working life of performing and teaching instrumental music.

Using her Dip. Ed., Anna taught Music, German and English as a Second Language for a period, but now divides her time between practising and performing chamber music, teaching instrumental music, and directing some ensembles and choirs.

Both Jonathan and Anna studied at the University during their father's tenure as Chancellor.

Anna's graduation with a Bachelor of Arts in 1999 is particularly poignant. "My Arts parchment has Dad's signature on it. He was particularly pleased to be officiating at that graduation. He was always a gently supportive presence in my life and I still miss him very much," Anna said.

"We used to drive in to university together in the mornings and I remember him questioning all my friends about their opinions on the university issues of the time."

Jonathan said his father would have been proud of his Rhodes Scholarship, "in a wonderfully one-eyed way".

"He would have been thrilled that I was even in a position to apply for it. I think he would have instantly looked up 10 books about Oxford and brought them home to show me.

"Anna likes to think that Dad's around when it's raining. A few times it's rained just prior to her performing for a big audition or a concert. And just after I heard the announcement in Canberra about my scholarship, there was an absolute downpour. We think that's a sign he's pretty happy!" ■

Story Candy Gibson

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Graduates excel in

Recent offshore graduation ceremonies in Singapore, Kuala Lumpur and Hong Kong highlighted the University's outstanding calibre of international students who are excelling in their chosen fields. Reporter Candy Gibson interviewed three of them for this issue of *Lumen*.



A leading Malaysian scholar is paving the way for teenagers to become more proficient in the English language.

Nadzrah Abu Bakar, who is a lecturer at Universiti Kebangsaan Malaysia, has just completed her PhD at the University of Adelaide, studying the use of computers for teaching English to secondary school students.

For the past three years, Nadzrah has worked under the supervision of University of Adelaide linguistics experts Dr Peter Mickan and Professor Peter Mühläusler, studying the best methods to help Malaysian secondary school students at Malaysian "Smart Schools" improve their English.

Her PhD at the University of Adelaide has shown that computers in the classroom can be beneficial tools to teach English, the country's second language.

"But in order for the integration of computers to be successful, the education system in

Malaysia needs to change and become less exam oriented," Nadzrah said.

"Teachers have very little time in the classroom at the moment to use computers. They are too focused with the syllabus and need to be freed up to use computers as a valuable teaching tool."

While all Smart School students have computers in the classroom, most Malaysian schools do not.

"Eventually every school in Malaysia will have one, and I hope my PhD will help encourage this."

Nadzrah was born in Seremban, Negri Sembilan. She received her first degree (BA in English) from the University of Western Illinois, USA, and her second degree (MA in TESOL) from the University of Northern Iowa, USA.

She taught in a secondary school for seven years before joining Universiti Kebangsaan Malaysia as a lecturer. The University and the Malaysian Government have sponsored her PhD in Adelaide.

Nadzrah graduated with her PhD in Humanities and Social Sciences from the University of Adelaide at an offshore ceremony in Malaysia on Sunday, 23 April.

Singapore's Hartmut Dongus does not do things by halves.

The 38-year-old banker heads the Singapore credit department of one of Germany's largest banks, Landesbank Baden-Württemberg (LBBW), which has total assets of more than EUR \$400 billion.

He has just completed an MBA from the University of Adelaide, studying part-time and in a foreign language.

Despite the language difficulties and the enormous pressure of his work and study, Hartmut received the Ngee Ann-Adelaide Prize for the Most Outstanding 2005 MBA Student when he graduated in Singapore on Saturday, 22 April.

Apart from his recently acquired MBA, Hartmut holds two German degrees, one in business administration and the other in banking and finance.

For the past 15 years he has worked for LBBW in the area of credit control and risk management, moving to Asia more than 10 years ago.

His list of achievements in the Singapore banking world is impressive. He has responsibility for the branch's credit facilities to corporate customers, its syndicated loans and project financing, as well as loan restructurings.

"Keeping it simple, looking outside the box—and doing, not listening" is his recipe for success.

Hartmut selected the University of Adelaide for his MBA because it offered good value for money.

"I had to pay the fees entirely myself since my first two studies were already company sponsored. I was looking for a good university and a highly respected MBA program at a reasonable price—I found it in the University of Adelaide.

"My German degrees are not well known and recognised in this part of the world, so I wanted to overcome this with the MBA.

Asia



Hence, I was looking for an established and recognised university in Asia, since I intend to stay in this region. Many lesser known US and British universities were ruled out, leaving me with the Australian ones.

"I liked the idea of dealing with the University directly through the joint venture with Ngee Ann. Other universities often go through agents here in Singapore, which can cause problems."

Hartmut said the flexibility of the MBA course at the University of Adelaide also appealed.

"Most other universities have very rigid schedules, whereas this MBA offered a lot of flexibility. The composition of the students—a mix of senior and junior managers—made for a more interesting course as well."

Hartmut credits the MBA with giving him new ideas to apply to his job. "I have gained a lot of new insights into areas such as knowledge management, which has helped me restructure things and make improvements everywhere".

The University of Adelaide counts some illustrious Singapore alumni in its ranks, including Deputy Prime Minister, Dr Tony Tan, and OCBC Chairman and former Singapore Airlines CEO, Dr Cheong Choong Kong.

Hong Kong businesswoman Angela Huang works for the world's largest household cleaning products company (excluding laundry detergents), Reckitt Benckiser. She also happens to have an MBA from the University of Adelaide.



Angela was one of 64 MBA students who graduated from the University of Adelaide at an offshore ceremony at the Grand Hyatt Hotel, Hong Kong, on Sunday, 30 April.

Along the way, the Taipei-born scholar collected the Hong Kong Institute of Housing Prize for Managing Contemporary Organisations and another prize for Strategic Management.

As the commercial controller for Reckitt Benckiser's Hong Kong operation, Angela is responsible for managing its business systems, including planning, forecasting and analysis. Globally, net revenues for the company exceed \$A 9.6 billion.

The Hong Kong business cluster, including Taiwan, was the company's best performing country in East Asia for 2005.

Seeking an edge on her business contemporaries, Angela applied to study for her MBA through the University's offshore program at the Hopkins Training and Education Centre.

"I obtained my first degree—a Bachelor of Commerce—in Australia 10 years ago and I wanted to do my MBA at Adelaide because I believe Australia offers the world's best quality of education.

"In order to remain successful in Hong Kong's competitive marketplace, I wanted a course which gave me superior leadership skills and top-notch decision-making abilities. Without professional qualifications or postgraduate studies, there is very little chance of getting promoted in Hong Kong.

"The Adelaide MBA program features a curriculum that prepares students for the emerging knowledge economy, emphasising the latest concepts, modern practices and relevant skills in today's rapidly changing global marketplace.

"Its weekend mode of lecturing also offers a flexible study pattern which enables MBA students to concentrate on their week day work without missing any lectures."

Angela credits the MBA with helping to develop her leadership skills and to plan ahead in business.

"Although the course was a lot of hard work, I am really seeing the benefits—and not just in dollar terms. I am now more equipped to take up the challenge of growing to the next level.

"Moreover, the University of Adelaide has an extensive alumni connection, providing excellent networking opportunities among current and former students," Angela said.

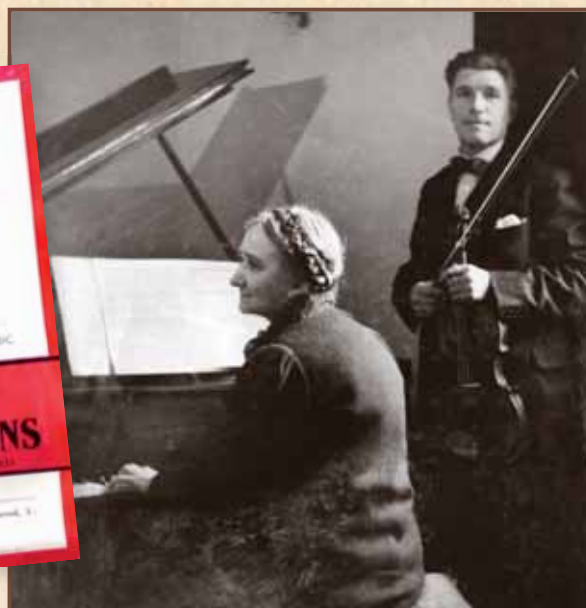
Development & Alumni Program

June – December 2006



MONTH	PROGRAM	ORGANISED BY
June	Alumni Board Meeting	D&A
	Alumni Association Annual General Meeting	D&A
July	Deadline: Applications for Mutual Community Postgraduate Travel Grants (Round 2)	D&A
	Guest Speaker Event	MBA Alumni Association
August	Alumni Board Meeting	D&A
	Graduation Ceremonies	Graduations Office
	Presentation of Honours Alumni University Medal	D&A
	University of Adelaide Open Day—Forums	Marketing & Strategic Communications
	Guest Speaker Event	MBA Alumni Association
	Deadline: Adelaide Sarawak Alumni Scholarships	D&A
September	Combined Alumni Board and Chapter Meeting	D&A
	The Australian Universities International Alumni Convention (AUIAC)—Brisbane	AUIAC
	Homecoming Celebrations in Adelaide	D&A
October	Golden Jubilee—50 Year Reunion for Graduates of 1956	D&A
	Alumni Board Meeting	D&A
	Vice-Chancellor's Scholarship Fund Appeal	D&A
November	Florey Medical Chapter Vignerons Dinner	Florey Medical Chapter
	Cornell Chapter Annual General Meeting	Cornell Chapter
	Commerce Chapter Annual General Meeting	Commerce Chapter
	Guest Speaker Event	MBA Alumni Association
December	Graduation Ceremonies	Graduations Office
	Alumni Board Meeting	D&A
	Presentation of Postgraduate Alumni University Medal	D&A
	Presentation of Distinguished Alumni Award	D&A

More information about the Development and Alumni program and chapter events is available by visiting the Development and Alumni (D&A) website at www.adelaide.edu.au/alumni, emailing alumni@adelaide.edu.au or by telephoning +61 8 8303 5800.



Dr Ruby Davy

Australia's first woman Doctor of Music

Born in Salisbury in 1883, Ruby Davy was a shy child, who demonstrated early musical prodigy and went on to become Australia's first woman Doctor of Music.

By the age of 13, Ruby was already teaching 27 of her own pupils at her mother's Salisbury School of Music.

She began studying at the Elder Conservatorium of Music in 1904 at the age of 20, gaining in the same year the University's Associate of Music. Ruby was the first Conservatorium student to take composition as a principal subject.

Ruby graduated in 1907 and continued to teach music at the Salisbury School of Music and from a studio at Allan's Music Shop in Rundle Street, in addition to performing and accompanying other artists.

In 1912 Ruby gained the Associate Diploma of the London College of Music, then the criterion for teaching. Temporarily engaged to teach Theory of Music at the Elder Conservatorium, Ruby was not offered a permanent position; her criticism of conservative teaching methods retarding her academic career. The first permanent woman teacher was not appointed until several years later.

In 1913, at the age of 30, Ruby began her Doctorate of Music studying violin, flute, oboe, clarinet, bassoon, French horn, trumpet, trombone, kettle drums and other instruments of percussion, and graduated as Australia's first woman Doctor of Music in 1918.

There followed a prosperous and happy period for Ruby, teaching music and performing while her mother managed all household and business affairs. The sudden death of both parents in 1929 led to a nervous breakdown and the closing of her music school, by then located in Prospect.

At the age of 51, Ruby sought a fresh start in Melbourne. She opened a new music school and gave well-attended lectures and recitals to societies and audiences.

In 1939, Ruby organised a three-year tour of England, Europe, Canada and America. Upon her arrival in London, Ruby immersed herself in the local music scene, but the onset of war saw the cancellation of all theatrical and musical performances.

Regulations were relaxed after the expected air raids did not eventuate and Ruby was able to give her planned series of lecture recitals at Wigmore Hall as well as some radio broadcasts. Ruby was, however, continually afflicted by ill-health and money difficulties and in May 1940, exhausted, still short of funds and unable to cope with the cold climate, left England for America where she gave a number of acclaimed recitals and broadcasts before returning to Melbourne.

Increasingly frail, Ruby died in Melbourne in 1949. Her body was returned to Adelaide for burial. Ruby left 300 pounds in her will to the University of Adelaide to provide a scholarship in her name, which survives today as the Dr Ruby Davy Prize for Composition. ■

(The above account is largely derived from Rita M. Wilson's Ruby Davy: Academic and Artiste. Salisbury & District Historical Society, 1995)



Graduates on the move

Current Students

James Smith

PhD Public Health and Medicine student:
2006 winner of the Young Australian of the Year for South Australia.

2000s

Mark Ainslie

BE (Elec)(Hons)/BA (Japanese):
Has been awarded the Japanese Government Research Scholarship for 2006. The Scholarship is awarded by the Japanese Government's Monbukagakusho (the Ministry of Education, Culture, Sports, Science and Technology) to a small number of Australians each year, along with a number worldwide, who wish to study at Japanese universities under their scholarship program. Mark was also awarded a Dean's Certificate of Merit for Outstanding Academic Achievement in each year of his degree (2000–2004) and was awarded the Codan Prize for Best Performance in Advanced Electromagnetics in 2004.



Jonathan Webb

BA 2001, B Sc (Mol Biol) 2003,
B Sc (Hons) 2004:

Received a Rhodes Scholarship to study at Oxford in 2006.

1990s

Dr Sam Shahin

MBBS 1992 DCH, DRACOG, FRACGP, MBA:
Part time medical practitioner and Director of Peregrine Corporation, Australia's 75th largest company. Dr Shahin also has three children under the age of six.

1980s

Dene Cordes PSM BA (Hons) 1988:

Public Service Medal in 1990 Australian Honours, for service to the establishment of volunteers network in National Parks.

Dr Bill Griggs MBBS 1981:

Named as the South Australian winner of the 2006 Australian of the Year award.

Dr Ian Kneebone BA 1981, BA (Hons) 1982:

Recently appointed a Visiting Senior Fellow in the Department of Psychology at the University of Surrey, UK, where he contributes to teaching, research and scholarship. His clinical practice is in neurological and physical rehabilitation across West Surrey.



David Letch

BA 1985, BA (Hons) (Geography) 1987:



Michelle Rast

BA 1984, BA (Hons)(Geography) 1986:

Received the Annual CoastCare Award in 2006. Their tireless commitment to protecting South Australia's coast has led to a number of initiatives, including the relocation of a controversial aquaculture proposal which could have had adverse impacts on the Australian Sea Lions in Sceale Bay, the declaration of the Nicolas Baudin Island Conservation Park of Cape Blanche, and the preparation of a management plan from Venus Bay to Streaky Bay through an Enviro Grant, plus coastal access works in the area.

Mark T O'Donnell BSc (Hons) 1988:

Joined the partnership of Adelaide-based Madderns Patent and Trade Mark Attorneys to lead the Life Sciences team. Mark returns to Adelaide after working in intellectual property for 18 years in the eastern states.

Christopher Zilm BA 1986, D Ed 1987:

Principal of Toowoomba State High School in Queensland.



The University of Adelaide alumni community would like to know what's new with you!

If you would like to share your milestones (births, marriages, awards, promotions etc) with your fellow alumni, please send your name, degree, graduation year, and a short update of 50 words or less to:

Development and Alumni office
Level 1, 230 North Terrace
The University of Adelaide
SA 5005, Australia

Email: alumni@adelaide.edu.au
Fax: +61 8 8303 5808

Submissions are always welcome so please remember us when you have some life news to share. Photographs are also welcome.

1970s



Professor Jock Findlay AM

B Ag Sc 1966, Hons 1966, PhD 1971:

Has been awarded the UK Society for Reproduction and Fertility (SRF) Distinguished Scientist Award for 2006. This award honours Professor Findlay's outstanding contribution to reproduction and fertility research. He is the only Australian to have won this prestigious award.

Claire Smith (nee Withey)

BA 1974, BA (Hons) Psychology 1975:

Received her doctoral degree on December 17, 2005, from George Fox University in Newberg, Oregon, USA. Her dissertation was in the field of applied linguistics. She has been teaching ESL and foreign languages in the USA for many years. She and her American husband have two teenage children.

Mr Robert Thomas BSc 1970:

In September 2004 joined Infoblox as the company's president and CEO. Infoblox is the leading developer of network identity appliances that provide a way for enterprise to manage the critical network identity protocols that link business applications to the network infrastructure. Mr Thomas has more than 25 years of management experience in the technology section. Previously, he was president and CEO of NetScreen Technologies, where he developed the company from 31 employees to 950 and led its successful public offering and eventual acquisition by Juniper Networks.

1960s

Professor John Finnis LLB 1962:

Received the Center for Bioethics and Culture's 2006 Paul Ramsey Award. The Ramsey Award is given to those who have demonstrated exemplary achievement in the field of bioethics. Professor Finnis is Professor of Law and Legal Philosophy at the University of Oxford and Professor of Law at the University of Notre Dame. He is also Visiting Professor of Law, Jurisprudence and Moral Philosophy at the Institute in Melbourne.

The award honours those who "are deeply impacting the bioethics discussion by actively equipping our society to face the challenges of the 21st century, profoundly defending the dignity of humankind, and enthusiastically embracing ethical biotechnology for the human good".

1950s

Brian Jefferies AM Dip Ag 1950, B Ag Sc 1953:

Blue for Athletics 1952, Scholarship with Australian Wool Corporation for 9 months in 1955. Joined Department of Agriculture in Sheep & Wool in 1953. In 1956 worked for 4 months with FAD of UN in Uruguay. In 1960 became Senior Sheep & Wool officer in Tasmania and started Cormo breed of sheep. 1966-1970 worked with FAD of UN in Patagonia and started Corino breed of sheep.

1971-1972 worked in Victorian Department of Agriculture and started Bundoran Comeback breed of sheep. 1972-1986 Principal Officer Sheep and Wool in SA Dept of Agriculture. 1986-2006 Working as International Consultant in Sheep-breeding in Argentina and Chile. Started Merco breed of sheep in 1955 and New Patagonian White Suffolk in 2003. Mr Jefferies has also received the following awards: ATA Medal 1987, AM in 1988, Fellow AIAST in 1998, and ROCA Award of Merit in 2001.

Building Bridges:

Lured by the big-city buzz of Australia's most bustling metropolis, over 1,500 University of Adelaide alumni now call themselves Sydneysiders.

With the help of some key partners, the Sydney Alumni Chapter is helping to bridge the gap between the two cities.

"We wanted to provide a support network for alumni to access, for social and work reasons, when they make the move to Sydney," says Baldeep Kaur, co-convenor of the Chapter. Baldeep, together with co-convenor Anthony Roediger, the University of Adelaide and a handful of enthusiastic alumni, partnered with some big names in business and the public sector to successfully launch the Sydney Alumni Chapter late last year.

The launch itself was long in the making, taking over four months of hard work and organisation. Baldeep and Anthony say that their labour was offset, in part, by the support of their sponsors. "We had great support on the night," says Anthony. "It allowed us to put on a wonderful event at an affordable cost and to showcase South Australian products."

The event's theme of 'South Australian Food and Wine' encouraged a band of SA businesses to get on board, including Yalumba, Shaw and Smith, Jim Barry, Bremerton, Coriole, d'Arenberg, Coopers, Villi's and Haigh's Chocolates. The result was a great start to the Chapter, which Anthony says "had a good turnout in competition with Australia qualifying for the soccer World Cup!"

In 2006, the Chapter aims to facilitate professional contacts and networking between alumni, employers and professional bodies in Sydney, and to keep alumni connected with South Australian events and opportunities. Like many alumni networks, the need for facilities and financial support makes partnerships with organisations outside of the University vital.

In the Sydney Chapter's case, support from the South Australian Department of Trade and Economic Development

(DTED) has helped to bridge the gap between the Chapter's aims and practical concerns. "Financial support from partners – particularly DTED – provides the opportunity to achieve shared goals, such as boosting the South Australian workforce," says Baldeep. "Their support will help to fund our future events."

A program of alumni activities is currently being planned for the year ahead. 2006 events will include dinners and drinks to socialise and network, and smaller events focused on topics of interest or industry groups. The Chapter would like to expand their program to include fundraising events that work towards a charity or cause in the future.

With the support of partners such as DTED, local Chapters can continue to connect and support alumni—wherever in the world life may take them after Adelaide.

Story **Lana Guineay**



For more information about the Chapter, or to be involved in upcoming events, please email sydney_alumni@adelaide.edu.au, or visit their website at www.adelaide.edu.au/alumni/chapters/sydney_chap.html



Graduation Bear comes completed with a hood to match your degree



University Tie Navy with full colour crests



University Tie Silk striped Lion



Executive Style Silver Key Ring featuring embossed logo



Pocket **Business Card Holder** Matt silver lid provides a striking contrast with shiny case and embossed logo



Business Card Holder Black leather with embossed logo



Pen Metallic silver including velvet pouch



Lapel Pin Classic crest design



Drink Bottles Aluminium featuring embossed logo



Coffee Plunger & Mug Set Glass plunger and silver mugs with embossed logo



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Mug flared *Special* Available in burgundy and navy blue

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The Ebor Scholarship will give third year computer science or software engineering students the opportunity to study at the Honours level, including industry-based work experience, mentoring and casual work, as well as financial support for University expenses.

For Bill, the Scholarship is a great way to give back to the University. After graduating with Honours in Computer Science, and working for three years implementing the earliest computerised borrowing system in the Barr Smith Library, Bill founded Ebor Computing. He is committed to making sure today's students have access to the same high-quality education that gave him his start.

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

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