WINTER 2008

The science of AIDS Fighting a global tragedy

LIFE IMPACT - THE UNIVERSITY OF ADELAIDE

LUMEN - The University of Adelaide Alumni Magazine Registered by Australia Post No 56500/00097



THE ALUMNI MAGAZINE OF THE UNIVERSITY OF ADELAIDE



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.



www.adelaide.edu.au/lumen

Message from the Vice-Chancellor

s members of a research intensive university, many of our academics spend a lifetime devoted to finding a breakthrough for some of the world's most debilitating diseases. It is meticulous, frustrating, often thankless work. However, the rewards can be tremendous, as evidenced by our alumni featured in this edition's cover story, who are all making headway in the global fight against AIDS.

The disease currently affects more than 30 million people worldwide, and continues to spread rapidly in developing countries, making the search for a vaccine more critical with every passing day.

It is heartening to know that some of the scientists who are playing a key international role in controlling the AIDS epidemic are graduates of the University of Adelaide, making a significant impact in their field.

The difference that a world class education can make is demonstrated quite clearly in this Winter edition of *Lumen*.

Nuclear law and resources specialist Melissa Holzberger is carving an illustrious career in the mining sector and her achievements are being widely applauded within South Australia and further afield.

Another star on the rise is human rights lawyer Catherine Maywald, whose commitment to improving the lives of people in war-torn Sudan and other Third World countries is outlined in our Global Impact feature.

Economist Dr Martin Parkinson and mathematician Leo Lazauskas are both dealing with complex equations, albeit of a different sort. Each is passionate about his field and earning recognition for their vision.

On the creative side, in this edition we celebrate the achievements of cartoonist Ross Bateup, musician Emily Kilpatrick and writer Garry Disher.

This edition also announces the launch of two new exciting programs for the University's alumni – an online community network and a membership program and privileges pack. Turn to page 27 for full details.

I hope you enjoy your Winter issue.

bares A Mc

JAMES A. McWHA Vice-Chancellor and President

www.adelaide.edu.au/lumen

Lumen contents Winter 2008



AIDS: the elusive vaccine Fighting a global tragedy



Energy to burn Nuclear industry's rising young star



At home with Ravel French sojourn for PhD music student



Leading a climate of change Economics into environmental practice

Executive Editor: Candy Gibson

Editorial Committee: Candy Gibson, Lana Guineay, Kim Harvey, Robyn Mills, Helen Paul

Contributors: David Ellis, Candy Gibson, Lana Guinea, Kim Harvey, Alison Harvey, Robyn Mills, Rebecca Pym.

Design: Chris Tonkin



10–year anniversary Adelaide celebrates 10 years in Singapore



A vintage year in Hong Kong Jess tastes success in Asia



Global achievers Graduates make an impact



Global achievers Graduates make an impact



Golden formula for Beijing Maths + sport = success



Lumen pioneers Dr Richard Sanders Rogers



Designed to impress Cartoonist with an urban edge



Roseworthy celebrates 125 years

New vision for campus

Editorial Enquiries: Marketing & Strategic Communications Branch Phone: +61 8 8303 5174 Fax: +61 8 8303 4829

Circulation: 44,000 in print 40,500 online www.adelaide.edu.au/lumen

Printing: Fivestar Printing www.fivestargrafx.com.au The University of Adelaide SA 5005 Australia, CRICOS Provider Number 00123M

Copyright © 2008 The University of Adelaide | ISSN 1320 0747 Registered by Australia Post No 56500/00097

Views expressed by contributors in *Lumen* are not necessarily endorsed by the University of Adelaide.

No responsibility is accepted by the University, editor or printer for the accuracy of information contained in either the text or advertisements.

Material may be reproduced without permission from *Lumen* with acknowledgment of its origin.



Front cover image: Photolibrary

AIDS: the elusive vaccine

Over 30 million people around the world are living with HIV/AIDS, the vast majority of them in developing countries. In this issue Lumen profiles the global work of University of Adelaide alumni who are key international players in the fight against this insidious disease.

1981:

AIDS is first recognised by scientists following 121 "gay cancer" deaths in the US since the mid-1970s.

10 million people

1991:

worldwide are

estimated to be

HIV-positive.

World Health Organization estimates that AIDS has caused the life expectancy in southern Africa to drop from 59 years to 45 years.

1999:

AIDS is the leading cause of death worldwide for people aged between 15-59

2002:

2007:

33 million people are living with AIDS worldwide



PHOTO BY KAREN TWEEDY-HOLMES

Since it was first recognised in December 1981, AIDS is estimated to have killed more than 25 million people, making it one of the most destructive pandemics in recorded history.

Current World Health Organization statistics show that about 0.6% of the global population is infected with HIV and the disease is spreading rapidly in Africa, where authorities predict it will leave at least 18 million orphans in the next few years.

Educating people about the dangers of unprotected sex and contaminated needles has had minimal effect in developing countries. The search, then, for a drug to reduce both the mortality and morbidity of HIV infection has never been more crucial.

Immunologist Dr Melissa Robbiani is playing a key role in this search as Director of Biomedical HIV Research at the Population Council, based in New York.

Dr Robbiani has an impressive history of contributions to the field. Her pioneering research has helped define the role of dendritic (immune) cells in HIV infection, leading to international acceptance of the theory behind how HIV is transmitted sexually.

In 1992, the University of Adelaide graduate left Australian shores armed with a PhD in Science and a passion to ⁴⁴ Our research focuses on understanding the basic biology of HIV transmission and the role of dendritic cells in this biology. We are making significant advances in this area.⁹⁹

Dr Melissa Robbiani

better understand the role of the cellular immune system in infectious diseases.

She headed straight to the Rockefeller University in New York to do her postdoctoral training with Dr Ralph Steinman, a world expert in immunology who first discovered the dendritic cell in 1973.

Under his mentorship, Dr Robbiani achieved a major breakthrough in HIV research, demonstrating that dendritic cells and a specific type of infectionfighting cell, known as memory T cells, provided a perfect environment for the spread of the HIV virus when isolated from skin.

Infection with HIV occurs by the transfer of blood, semen, vaginal fluid or breast milk. It is typically transmitted in four different ways: via sexual intercourse, contaminated needles, breast milk, and transmission from an infected mother to her baby at birth. Dr Robbiani's research has centred on the pathway of the HIV virus during sexual transmission.

"HIV must breach the skin at the body surfaces to interact with and infect the white blood cells within and underneath the skin," Dr Robbiani said. "Once HIV breaches this barrier, it interacts with and can infect dendritic cells, macrophages or T cells. Dendritic cells are especially effective in capturing HIV and extremely efficient in transmitting the virus to T cells which amplify the spread of infection."

Direct exposure via injecting drug use is believed to be more potent than sexual exposure, but both forms of transmission occur.

Dr Robbiani said that despite the statistics, there is room for optimism.

"Our research focuses on understanding the basic biology of HIV transmission and the role of dendritic cells in this biology. We are making significant advances in this area, although there is still an enormous amount to learn about how to prevent infection through micro-biocides and vaccines."

A micro-biocide gel, Carraguard, has been trialled with some success, and will serve as the basis for new formulations.

"While there is still much to do, we are moving in the right direction," Dr Robbiani said. ►





Dr Graeme Moyle

On the other side of the Atlantic, Dr Graeme Moyle is a leading member of a multidisciplinary team at the Chelsea and Westminster Hospital, London, managing the day-to-day clinical care of HIV-positive individuals.

The hospital is northern Europe's largest HIV treatment centre and Dr Moyle's role encompasses clinical research.

"As Director of HIV Research Strategy I lead phase 2-4 research programs into all aspects of HIV infection. I take a special interest in developing new antiretroviral drugs and in managing disturbances of metabolism and morphology," he said.

The Mildura-born doctor was educated at Prince Alfred College and the University of Adelaide before heading to the UK, where he has spent the past two decades working in HIV care.

After graduating in 1986 with a Bachelor of Medicine, Bachelor of Surgery (MBBS), he completed his doctorate in 1996, with a thesis on the treatment of HIV infection with didanosine and foscarnet.

Dr Moyle's interest in infectious diseases was stimulated by a 5th-year elective at CMC Hospital in Vellore, India.

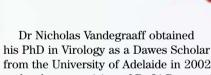
"A colleague at university was one of the first people in Adelaide to die of AIDS ⁶⁶A colleague at university was one of the first people in Adelaide to die of AIDS and I had several friends - both straight and gay who were infected in the early 1980s."

and I had several friends - both straight and gay - who were infected in the early 1980s," he said.

His clinical research is focused on antiretroviral drugs (substances that stop or suppress HIV) and also involves collaborating with the international AIDS vaccine initiative (IAVI). Dr Moyle is a UK investigator for a vaccine study run by biotechnology company Bionor and is also working with pharmaceutical company GlaxoSmithKline on their HIV vaccine.

We have made fantastic progress in drug development in recent years but the number of new infections across the world is unacceptable and the pandemic is likely to get worse," Dr Moyle said.

"The growth in new infections is most evident in places with little access to care and little political will to address the problem."



from the University of Adelaide in 2002 under the supervision of Dr Li Peng and Professor Christopher Burrell.

After a four-year postdoctoral position at Harvard Medical School, Dr Vandegraaff took up his current job as Principal Scientist in Virology at the Melbournebased pharmaceutical company, Avexa Ltd.

He leads Avexa's program aimed at identifying novel, small molecule inhibitors of HIV.

"Incredible progress has been made over the past 10-15 years in terms of our understanding of the HIV life cycle," Dr Vandegraaff said. "Fifteen years ago the life expectancy of someone diagnosed with AIDS was 1-2 years. HIV patients in industrialised nations can now expect something approaching a 'normal' life expectancy thanks to antiretroviral therapy."

However, Dr Vandegraaff concedes that significant challenges lie ahead. Chief amongst these is the development of a vaccine.

"Current antiretroviral therapies are costly and therefore not readily available to developing nations who make up about 95% of the HIV/AIDS statistics. A successful vaccine will go a long way

Dr Nicholas Vandegraaff





⁴⁴ China's response to the HIV pandemic was initially tepid but now they are dramatically increasing evidence-based treatments and as a consequence other countries in the region are following suit.⁹⁹

Dr Robert Ali

⁴⁴ Fifteen years ago the life expectancy of someone diagnosed with AIDS was 1-2 years. HIV patients in industrialised nations can now expect something approaching a 'normal' life expectancy thanks to antiretroviral therapy.⁹⁹

towards addressing the appalling HIV infection and treatment rates in Third World countries."

A second major challenge is to improve the quality of life for patients by developing treatments with fewer side effects, more activity and lower pill burdens.

"Such treatments are likely to reduce the number of drug-resistant viruses that are emerging within HIV-positive individuals."

Dr Vandegraaff said that while current antiretroviral therapies largely kept the disease under control, to date no-one has been cured of HIV infection.

"With HIV it is a constant race to stay one step ahead of the virus, which evolves at an extremely rapid rate," he said. Dr Robert Ali is head of the South Australian-based World Health Organization Collaborating Centre for Research in the Treatment of Drug and Alcohol Problems.

The University of Adelaide medical graduate has been working in the field for the past 20 years. His current role focuses on evidence-based treatment for dependent drug users in the Asia Pacific region, including HIV-positive individuals.

Progress has been patchy, due mainly to governments in Asia pursuing a hardline prevention approach, which has not proved successful.

"These governments have tended to view drug use as a moral weakness, using harsh measures such as imprisonment to discourage continued drug use. But experience has shown us that this does not work. Drug addiction isn't a moral weakness; it's actually a medical condition," Dr Ali said.

Asian authorities are slowly coming to terms with this fact and starting to embrace a range of treatments sanctioned by the World Health Organization.

"China's response to the HIV pandemic was initially tepid but now they are dramatically increasing evidence-based treatments and as a consequence other countries in the region are following suit."

Vietnam is a case in point. It is following the example being set by China — seen as an older brother — and recently launched a national methadone treatment program.

In a bid to tackle the HIV epidemic, the Vietnamese Government has also turned to the University of Adelaide's Discipline of Pharmacology for help.

Epidemiologist Dr Ha Viet Dong, a Family Health International (FHI) program officer based in Ho Chi Minh City, completed a three-month placement at the University earlier this year to learn new skills in monitoring and evaluating methadone treatment programs.

Dr Ali said a collective will was needed among countries most affected by the HIV/AIDS pandemic to seriously address the problem.

"This is a human tragedy. The cost of doing nothing is an escalation of drug use and HIV spread. If we don't do something about the drug epidemic within Asia in the next two years the world will have a crisis on its hands."

STORY CANDY GIBSON



Energy to burn

As a young girl Melissa Holzberger bypassed Barbie dolls in favour of spending countless hours sorting precious and semiprecious stones with her grandfather. Today, at the age of 32, that childhood fascination has taken her to the pinnacle of her career.

The energy, resources and nuclear law specialist, who graduated with a Bachelor of Laws in 1999 and an Arts degree two years earlier, is In-House Counsel for BHP Billiton and currently working on the proposed Olympic Dam mine expansion project in South Australia.

Melissa is one of 39,000 employees of the world's largest diversified resources company, which operates out of 25 countries. She considers herself one of the luckier ones.

"I am passionate about the energy and resources industry," she said, "and as a legal specialist in this area, the ability to work in my home state on the world's largest uranium project is incredible. Not many people get opportunities like this in their career."

But the opportunities have come with careful planning. Melissa realised early in her career that it was foolish to expect employers to open all the doors. She sought – and secured – prestigious international scholarships which broadened her knowledge of the mining sector.

The first was a year-long tripartite Chevening scholarship, which allowed her to study for a Masters of Laws in Resources Law and Policy at the University of Dundee, Scotland, in 2002.

This international course specialises in energy, mining and petroleum law and attracts students and lecturers from all over the world. In Melissa's case, she mixed with contemporaries from 30 different countries.

The course provided an ideal grounding in resources law and led to a

job with Rio Tinto plc in London before she was headhunted by BHP Billiton to work firstly in their Melbourne head office, and then relocated to Adelaide to work on the Olympic Dam expansion project.

Worldwide, the company has 80 lawyers on its books, but Melissa is the only nuclear law specialist.

Most of her work falls under the umbrella of commercial law, advising on contracts and legislation, although she is also called on to provide advice on strategic commercial matters, mining law, and environmental law issues.

In 2005 Melissa completed a Diploma in International Law in France after winning an OECD Nuclear Energy Agency scholarship.

"The French are considered the leaders in nuclear energy due to their reliance on that power source, with more than 70% of their energy needs coming from nuclear sources. This was a great opportunity for me to expand my interest in uranium mining and study with professionals from more than 20 different countries around the world."

It is an exciting time to be working in the resources industry because it is booming, fast paced and offers a lot of opportunities for promotion and travel as well as the chance to learn cutting-edge technology.

In such a male-dominated industry, however, it is not surprising that Melissa is one of the select few women who occupy senior roles. Hence her decision three years ago to establish a mentoring group for women working in the energy and resources industry. "Issues such as working in remote locations, career choices, balancing motherhood and work are all central to our lives and it helps enormously if women support and encourage each other."

Melissa's achievements, commitment and leadership in the energy and resources sector were recognised with the Telstra South Australian Young Business Women's Award. Within a year she was profiled as one of the State's "Rising Young Stars".

The accolades led to an invitation to address the University of Adelaide's 2007 Law and Education graduands – an honour usually reserved for alumni who have made their mark over 20–30 years.

Her speech impressed upon the graduands the need to take control of their careers and professional development.

"My advice is to devote your professional life to an area which you are truly passionate about, or at the very least, should interest you," she said. "Forget the traditional career ladder and start thinking in terms of a 'lattice' rather than a 'ladder'. The lattice concept accepts that people will move up, down, diagonally and laterally as they progress through their lives and careers.

"There are many paths to reach the top and there is also plenty of room at the top. If you follow your passions, values and personal strengths you have the best chance of reaching your goals," she added. ■

STORY CANDY GIBSON

At home with Ravel

Few scholars studying the music of Maurice Ravel would have played his piano or read his books, never mind sweeping out his toilet. Emily Kilpatrick, while undertaking a PhD in Musicology, did all these things, and found it a rare and wonderful opportunity to gain personal insight into the great French composer.

or Emily Kilpatrick, a shift from studying Performance in her Music Honours year to Musicology for her PhD made Ravel's music the perfect choice for the focus of her research.

"It started I guess because I'm a pianist and I play Ravel. It's some of the most satisfying music that I've ever played. It's incredibly hard, incredibly challenging, but it's so rich," Emily said.

After an intensive Honours year of doing almost nothing but performing, Emily decided she needed to "use another part of her brain" and do her PhD in Musicology. Her supervisor for both her Honours and PhD has been Professor David Lockett, Director of the Elder Conservatorium of Music.

"Musicology, for me at least, is based in history," Emily said. "It's music within an historical and social context. It certainly has an analytical component – the works themselves – but I'm much more interested in the works as a product of a time and place, and what they can tell us about that society.

"Ravel's dates are 1875–1937. It's a wonderful period of world history and particularly French history. Paris was an amazing place to be around at the turn of the century. The artistic interaction was extraordinary; anyone who was anybody was in Paris. And it's the way artists, writers, poets, painters and musicians were interacting that I find really fascinating."

As part of her PhD, Emily spent six months in France in 2004 and, during that time, spent six weeks helping prepare for the reopening of Ravel's house, now a museum, in the French village Montfort l'Amaury. Ravel had lived there from 1921 until his death in 1937.

"The special thing about Ravel's house is that it still feels like a home. I was in the house every day putting in place objects and trinkets, playing his piano, sitting on his floor reading his books, sweeping out his toilet. You start to feel like you know someone when you do these things. There are things that I know he did that I also did. It was a quite extraordinary experience and it shaped the way I think of him."

Emily's PhD thesis, recently submitted, is called 'The Language of Enchantment: Childhood and Fairytale in the music of Maurice Ravel'. She focuses on three Ravel works: the opera *L'Enfant et les Sortilèges* (The Child and the Enchantments), the piano duet *Ma Mère l'Oye* (Mother Goose) and a set of songs for choir (*Trois chansons*, 1914–1915).

"Childhood and fairy tales are ideas that underpin a lot of Ravel's music but they are explored most directly in these three works," said Emily. "They also reach out very directly to a broader history, to literature and society in really interesting ways."

Uniquely among operas, *L'Enfant et les Sortilèges* has as its central character a child, who in a fit of temper trashes his room and toys which then come to life to reproach him.

"Through this opera you can trace a lot of changing ways in which society is thinking about children. The child is a modern child, sure of himself, very much the central focus of his family, something that had really emerged in French society from about 1870 onwards. On lots of levels the opera engages with early 20th century conceptions of childhood and philosophical thought," said Emily.

Emily lectures in Music History at the Elder Conservatorium. She moves to England in September and will be seeking postdoctoral research and teaching opportunities there. ■

STORY ROBYN MILLS

Barr Smith Library Appeal 2008

When you walk through the doors of the Barr Smith Library, you are entering a centre of learning that has been serving University of Adelaide students and the wider community for over 75 years.

The Barr Smith Library is the main library of the University, providing resources to over 20,000 students – around 85% of the University's total population – with more than 2.2 million items in its collection.

The library would not be what it is today without the generosity of others. It owes its name to the Barr Smith family, whose donations to the University of Adelaide over many decades helped the library to open its doors in 1932. Since then, gifts have played an important role in shaping the library and its collections.

The annual Barr Smith Library Appeal continues to provide vital support through donations from alumni and the general public.

"The 2007 appeal helped add over 1000 new titles to the collection, including a number of research and teaching related materials to which regular funds could not stretch," said University Librarian Mr Ray Choate.

Funds from the 2008 appeal will contribute to the currency of collections in emerging areas of knowledge and research, as well as adding to the broader collection to support general learning and education.

"Today's students are tomorrow's leaders, and they are discovering the ideas and the knowledge that they will take out into the world in the Barr Smith Library," said Mr Choate.

"Donations to the Barr Smith Library Appeal will open doors of learning and opportunity for students and support an important South Australian resource, ensuring that it can provide for future generations."

For further information about how you can make a tax-deductible donation, please contact:

Helen Paul, Development and Alumni:

Email: development@adelaide.edu.au Phone: +61 8 8303 4275 Fax: +61 8 8303 5808

Or you can visit our website at www.adelaide.edu.au/alumni/giving

Leading a climate of change

For more than two decades, economist Dr Martin Parkinson has been playing an important role in helping to shape national and international policy. Today he is one of two Adelaide graduates leading the Federal Government's new Department of Climate Change, injecting economics into sustainable environmental practice.

ackling climate change was one of the key pillars of the new Rudd Government's election platform. True to its word, the Government signalled its commitment to climate change policy in Australia by establishing a Department of Climate Change just nine days after being elected.

While much has been written about the new Minister for Climate Change, University of Adelaide graduate Senator Penny Wong, the all-important role of Secretary of the Department of Climate Change — the most senior Public Service role — has gone to yet another Adelaide graduate, Dr Martin Parkinson. A macroeconomist, Dr Parkinson is a graduate of Adelaide (B.Ec (Hons) 1980), the Australian National University (ANU) (M.Ec 1982) and Princeton (PhD 1990). He has had a long and distinguished career in the Commonwealth Public Service as well as with the International Monetary Fund (IMF).

Dr Parkinson spoke with *Lumen* about his student days at Adelaide, his career, the importance of economics in public policy, and what he describes as "the most challenging and exciting initiative in government".



Dr Martin Parkinson speaking at the Planning Institute of Australia's "A Climate For Change" conference earlier this year.

Lumen: What can you tell us about your time as a student at the University of Adelaide?

Martin Parkinson: I started a Bachelor of Economics degree in 1977 and graduated with Honours in 1980.

Treasury funded me to do my Honours year which didn't involve any time in the department, but a pre-commitment to work in Treasury once I graduated. In exchange, they provided a stipend for my studies.

Having come straight from secondary school, it was really exciting being at university where there were lots of people with different perspectives who were prepared to argue and debate. It was an environment where you could question the status quo and that was great.

It was at the University of Adelaide that I realised that economics as a discipline could really make a difference to the quality of people's lives, for good or for bad. This was the period of the Fraser Government — the Whitlam Government had been sacked with all the turmoil that ensured. Australia as a nation faced the multiple problems of high unemployment, poor growth, poor fiscal performance, relatively poor productivity — there were many economic issues that were all intermingled and there was a real question of what was the right way to go forward.

Within the Economics Department these were big issues that we, as students, were trying to get our heads around at a time when there clearly wasn't a consensus in the economics profession about what was the right way to address these things.

Also, the social life at the University was outstanding. There was always something happening — bands, movies, debates — and that was very enjoyable.

Lumen: How would you describe the progression of your career in the Public Service?

MP: I've tended to describe myself quite deliberately as an 'accidental policy adviser'. I didn't consciously set out to have a career in Treasury or, indeed, to go into policy advising in the long-term. I was attracted to going to work in Treasury for a while, though, in part because (distinguished academic and leading economist) Geoff Harcourt used to say: "You need to be willing to play on the opponents' home ground before you can expect them to play on yours."

And this was a period that was really tumultuous — people didn't know what the right policy mix was, there were huge debates about that, and Treasury itself was a dramatically different organisation to what it is now.

I never imagined when I started studying economics that Australia was on the verge of two decades of dramatic change in public policy, and that economists would be central to those discussions. It was only when I got to Canberra that I realised we were on the verge of this big change. As my friend Ken Henry — the Secretary of the Treasury — has said previously, economists were in the 'engine room' of that change.

⁶⁶ It was at the University of Adelaide that I realised that economics as a discipline could really make a difference to the quality of people's lives, for good or for bad.⁹⁹

I came to Canberra and worked on reform of government business enterprises when the idea of appropriate pricing regimes was alien to most of the public sector. In 1985 I was part of a small team to prepare a draft White Paper on tax reform — Paul Keating's 'option C'. When I came back from Princeton, I was appointed senior adviser to John Dawkins when he was Treasurer in the midst of the recession of the early '90s. I got to work on labour market and industrial relations issues at a time when there was liberalisation occurring there, and on macroeconomic policy and economic forecasting.

I never set out to become a policy adviser, but I was just hooked on it. I was incredibly lucky that I arrived in Canberra just at the time things were beginning to change, and I've had this fantastic seat at the table through many of the major issues over the period since the early '80s.

Lumen: Tell us about your work with the International Monetary Fund.

MP: I went to the IMF in mid-1997, just as the financial crisis in Thailand was occurring, and stayed there until the end of 2000.

At the IMF I got to work on South Africa, which was just coming out of the apartheid era and faced the generation-long challenge of delivering better opportunity and living standards to the bulk of the population. I also worked on reforming the international financial system as a result of the aftermath of the 1997 Asian crisis.

I came back from the IMF at the beginning of 2001 and became Deputy Secretary of the Treasury when Ken Henry was promoted to Secretary. I continued to work on IMF reform in part through running the G-20 (Group of Twenty) summit in 2006.

Lumen: How did you move from that kind of work to what you're doing now, with climate change?

MP: Last year I was seconded to head up the Task Group on Emissions Trading established by Prime Minister Howard, designing the emissions trading scheme and beginning to focus on climate change. And now I find myself running what I think is the most challenging and exciting initiative in government — the new Department of Climate Change.

Last year Ken Henry gave a speech about the need for Treasury to be more centrally involved in water, climate change, and the like — I think it was really a case of convincing the political process that more of the same wouldn't work and we needed to think again about how we responded to climate change. In doing so, it became a natural entry point into the issue for economists.

We have to marry science and economics together. We need to have a good appreciation of the science in order to understand what is happening and to understand the consequences on the environment and on human wellbeing. But then you need economics to think about how best to meet the challenge that the science has highlighted. I see science and economics as two building blocks upon which all the work we do will be constructed. Together, they provide the foundation for everything we're aiming to do. ■

STORY DAVID ELLIS

UNIVERSITY CELEBRATES 10 YEARS IN SINGAPORE



- Mrs and Mr David Goh
 Mr Alex Chin and Associate Professor Margaret Tan
- 3. Mr and Mrs Stephen Yee
- 4. Dr Ng Boon Keng, Mr Henry Chia, Ms Lim Mei Mei, Mr Teoh Eng Hong, Ms Cheah Siew Kooi, Mr Chu Tee Seng

















- 5. Mr Darren Benger and Mr Teo Chiang Long
- 6. Ms Ans Lisian Chang, Mr Peter Koh, Ms Andrea Soon, Mr Tan Seck Leng
- 7. Mr and Mrs Willis Lum
- 8. Ms Hang Tran, Mr Tran Quoc Sach, Ms Nga Tran
- 9. Ms Teoh Siew Hong, Ms Julie Angel Chan

Make an Impact

A gift in any culture establishes a special relationship between the donor and the recipient. A gift which promotes learning and education has the potential to embrace a wider community and make a difference around the world.

The University of Adelaide was founded on the generosity of wealthy grazier and copper miner Walter Watson Hughes, who donated £20,000 in 1872 to establish what has become one of Australia's leading universities.

Walter Hughes and other donors have provided the drive, vision and determination to create an institution which has a rich tradition in education and research. The University is building on this tradition and invites you to share our vision.

Show your appreciation for the education you have received by making a gift to the University of Adelaide.

1000
E A

Donation form

Personal details	Gift details			
Name: Graduate: □ Yes □ No	Amount of gift (AUS Dollars): \$ (All donations of \$2 or more are tax deductible.)			
Degree: Year of graduation: Address:	Designation of gift: □ University of Adelaide □ Scholarship Heritage Foundation □ Bequest			
Phone (ah): (wk):	 Barr Smith Library Annual Appeal Vice-Chancellor's Scholarships Fund Dequest Sponsorship Prize/Award Other – please specify: 			
Mobile: Email: Payment details Please make cheques payable to: The University of Adelaide. Please debit my: Visa Mastercard for (AUS Dollars):	 I would like to become a Volunteer My gift is in memory/honour of I would like to receive further information about 			
Card number:	Please complete and return to: Development and Alumni (69) The University of Adelaide Reply Paid 498 <i>(within Australia only)</i> Adelaide SA 5001			
Card holder's name: Signature: Date: □ Please do not acknowledge my donation publicly.	For more information:Telephone: +61 8 8303 5800Facsimile: +61 8 8303 5808Email: development@adelaide.edu.auWeb: www.adelaide.edu.au/alumni			

A vintage year in Hong Kong

Hong Kong's decision to slash the tax on imported wine has thousands of connoisseurs in the territory raising their glasses in celebration, including alumna Jess Harris.

hen Jess Harris graduated from the University of Adelaide in April 2007, she faced some tough career challenges.

Armed with a Bachelor of Commerce in Accounting, the then 22-yearold set out to establish her family's wine importing business in the ultracompetitive Hong Kong market.

Adelaide Cellar Door had already developed a strong, online direct sales customer base in Australia for its premium South Australian boutique wines. But Asia was a whole different ball game.

The duty for imported wine stood at 80%, the company had no brand recognition in Hong Kong, advertising costs were astronomical and Jess faced a massive learning curve in adapting to an entirely different business ethos in the East.

Twelve months later, the picture is looking far rosier.

The Hong Kong Government has slashed the duty on imported wine from 80% to zero in the past year after successful lobbying by local and other wine producers. The news has been welcomed by the thousands of expatriates living in the territory who had become resigned to paying exorbitant prices for wine.

Australia has the second largest share of Hong Kong's wine market, with 17% worth \$24 million — behind France, which has a 46% market share. For Adelaide Cellar Door, the timing couldn't be better.

"The Asian market for wine is on the cusp of a boom and we want to be part of it," Jess said.

"Until now, wine has been a luxury in Hong Kong but with the removal of the duty we hope it will become an everyday item."

Although 80% of Adelaide Cellar Door's customers in Hong Kong are Westerners, or at least educated in the West, part of Jess's challenge involves educating the Chinese market about wine.

"Wine consumption in South East Asia is increasing at approximately 15% per year. Per head of population, it is still well below that of other countries, so there are exciting opportunities for growth.

"As Asian people become wealthier their tastes are becoming more sophisticated, particularly the younger professionals who are being drawn to a wine culture at the expense of spirits and beer."

To make inroads, however, Adelaide Cellar Door needs to become a respected retail brand name in the image-conscious Asian market.

The prohibitive advertising costs and high rents in Hong Kong have forced Jess to adopt a different marketing approach based on extensive networking and sponsorship deals.

At least four nights a week she hosts wine tastings, attends industry events and has become adept at public speaking. "A year ago I was terrified of public speaking, but now I'm quite used to talking to large groups about our wines."

While the average cost of a bottle of wine is still high — about double that of Australian prices — Adelaide Cellar Door has deliberately kept its prices competitive.

One of their wines, Hahn Catharina Shiraz, was rated among the top five boutique wines exported out of Australia in 2007. They retail it for HK\$212 a bottle, whereas normally a wine of that calibre is priced at around HK\$600 a bottle (about A\$85).

"Our company has grown largely due to word of mouth and the fact that we don't charge through the roof. We had zero customers in Hong Kong two years ago and now we have a database of more than 2000."

Her University of Adelaide degree has helped leverage this success, particularly with budgeting, setting prices and estimating turnover.

"Marketing knowledge is largely acquired on the job, but I have relied heavily on the accounting and finance basics to run the business."

Within the next few years Adelaide Cellar Door plans to establish other franchises in Korea, Japan, Macau and mainland China. ■

STORY CANDY GIBSON



After 30 years of having his work in print, Australian author and University of Adelaide graduate Garry Disher is starting to find that crime really can pay.

10-year-old girl is snatched from the side of the road. The acting head of the Crime Investigation Unit, Detective Ellen Destry, is faced with little evidence and some tough decisions to make as time is running out to find the girl alive. Her boss, Inspector Hal Challis, is 1000 kilometres away visiting his dying father, and he's about to start pulling at the threads of a family mystery...

So begins *Chain of Evidence*, the latest crime novel in the award-winning Challis & Destry series by Australian writer Garry Disher. The author of more than 40 titles, including fiction for adults, teenagers and children, history textbooks and books about writing, Disher has been a published writer for 30 years.

But it is only now that he is beginning to earn the kind of recognition and the readership that he deserves. His most recent series of crime novels has something to do with that.

While a number of Disher's other works have won some major awards in the past, and others have been shortlisted for prizes such as the National Festival Awards for Literature and the Steele Rudd Award, the Challis & Destry series has been universally well received. The first Challis & Destry novel, *The Dragon Man*, won the German Crime Fiction Prize (Disher's second work to do so), while *Chain of Evidence*, the fourth novel in the series, last year won the Ned Kelly Award for Crime Fiction as well as critical acclaim throughout Australia, Germany and the United States.

Disher's passion for writing began when he was just a boy on his parents' wool and wheat farm near Hallett, 200km from Adelaide in the mid-north of South Australia. A gifted student, he moved to Adelaide for his final year of high school, completing his matriculation at Adelaide Boys' High.

"That was a real shock to me, because I went from a school of about 120 kids in total at Burra to an all-male school of about 1100, so I felt quite lost," Disher says.

More shocks were in store when he started his Bachelor of Arts at the University of Adelaide in 1968, as he soon discovered that university-level English was nothing like his beloved subject from school. "I hated it. Back then I was already keen on becoming a writer, and it seemed to me that English was going to ruin my love of reading and books. I found the analysis of the novels we were reading too academic, too difficult, and in some respects wrong-headed. But I was just a kid, what did I know? I wasn't ready for that way of looking at literature."

Luckily, Disher discovered a love of history and philosophy, in which he majored. He kept his writing interests alive by submitting creative pieces to the annual magazine published by Lincoln College, where he stayed throughout his undergraduate years, and becoming co-editor of the University's student magazine, *On Dit*, in his final year in 1971.

⁴⁴ I've always loved reading crime. Even as a kid I loved reading adventures and thriller novels, and later as an adult I read crime fiction to see what made it tick.⁹⁹

"The idea that I would write fiction had been there since I was a child, but by the time I finished university I wanted to make a conscious effort to write something and get it published," Disher says.

"When I left Adelaide University I travelled overseas for a couple of years and I tried to write a novel part-time while I was travelling, which was very difficult. And it wasn't very good; it came to nothing.

"I was thwarted by not knowing what I was doing, as well as the travelling. When I came back to Australia I moved to Victoria and did a Masters degree (in History) at Monash, and while I was there I tried again to get something written. I started with some short stories."

Disher's writing began to take shape, so much so that while studying for his Masters he won a scholarship to study Creative Writing at Stanford University, California, in 1978. This marked a turning point in his skills as a writer and helped to set him on a path towards a career as a published author.

An eclectic career followed – as well as writing collections of short stories, novels, history texts, and a number of books about creative writing, he also taught writing for 10 years at adult education and TAFE level.

With such a varied writing career spanning a wide range of personal interests, it was inevitable that Disher would turn his hand to crime writing.

"I've always loved reading it. Even as a kid I loved reading adventures and thriller novels, and later as an adult I read crime fiction to see what made it tick. I thought: it's time I wrote one because I like reading them so much!"

The result so far is two series of crime novels, including the Wyatt series – written from the criminals' point of view – a collection of crime short stories, and now the Challis & Destry novels, which are set on Disher's adopted home on the Mornington Peninsula, Victoria. Another Challis & Destry novel is due next year, followed by a 'literary' crime novel that is not part of the same series.

Despite having left the State more than 30 years ago, "in my imagination I keep coming back to the small towns and mixed farms of the mid-North," Disher says.

"I've set several books there: three children's novels, a Wyatt thriller and the novel I'm proudest of, *The Sunken Road*, which was a critical success but not a commercial success.

"In *Chain of Evidence*, one of the main storylines is set in South Australia's dry north.

"The setting is an important element of all fiction, but it is a particularly strong element of crime fiction. Whenever I go home to my parents' farm, I busily take mental and even written notes about the place as reminders, and I notice changes," he says.

Chain of Evidence is published by Text Publishing. ■

STORY DAVID ELLIS

Iumen achievers



Global Impact

The University of Adelaide alumni community stretches across the globe. From war-torn Africa to the centre of Mongolia, graduates are exploring new cultures, sharing their knowledge and helping to improve the lives of others. Lana Guineay profiles three Adelaide graduates who, armed with degrees and a passion for the world around them, are making an impact.



Human rights on a global scale

Catherine Maywald BA Psychology 2000 LLB Law 2002 Sudan may be a long way from the sandstone halls of the University of Adelaide, but working in the wartorn African nation was a memorable experience for alumna Catherine Maywald. Catherine made the journey to help local communities draft the first ever state-level constitutions a few years after completing a Bachelor of Arts and a Bachelor of Laws at Adelaide in 2002.

Catherine's role saw her travel to various parts of Sudan, which had just consolidated a Comprehensive Peace Agreement after the longest running civil war in Africa. She visited communities in some of the remotest parts of the country, including Lewere, a tiny village in the Nuba Mountains in central Sudan, which she said was particularly memorable.

"I stayed in a mud hut, with no power or running water, in an area with virtually no infrastructure, no paved roads, and no communications capacity. The local drafting committees were often working with virtually no resources — nothing but paper and pens (if that!). Most of them spoke Arabic (which I do not speak), so we had to work through translators," she says. "Needless to say, it was extremely challenging, but also incredibly rewarding and humbling to be working with people who had so little to survive on, yet were so welcoming and resilient."

Catherine is no stranger to travel — she was born in Tonga, raised in Australia, and has spent much of her adult life in New York, where she worked as an adviser to the United Nations at the Permanent Mission of the Marshall Islands and studied for a Master of Laws in International Legal Studies at NYU, for which she was awarded the Jerome Lipper Prize for distinction in the program.

Catherine returned to Australia in 2007 to begin a post at the Human Rights and Equal Opportunity Commission in Sydney, but says her time overseas has been invaluable, both professionally and personally.

"I feel incredibly lucky to have been given unique opportunities to experience the creation and implementation of law in diverse circumstances in different international settings.

"While Australia will always be home to me, my time overseas has been fascinating and eye-opening."



Knowledge without bounds

Professor Emeritus Dr Rawi Bhavilai Master of Science 1952 From the outer reaches of space to the inner workings of the human mind, there are few subjects Professor Rawi Bhavilai hasn't explored in 82 years of intellectual curiosity.

"The universe really interests me, whether it is the solar system or spirituality," he says. A Thai thinker renowned for his work in astronomy, Professor Rawi worked at Chulalongkorn's Faculty of Science for 42 years – a career beginning when he was just 19 years old and continuing until his retirement in 1986. His life's work, however, has seen him explore areas as diverse as philosophy, physics, Buddhism and poetry.

The classroom was only one way of sharing his knowledge and enthusiasm on a range of topics — he has also reached out to a wider audience, both in Thailand and internationally, through writing. As well as writing textbooks and other non-fiction, Professor Rawi has translated fiction into Thai, most notably the works of Lebanese–American poet Kahlil Gibran. Professor Rawi says it is an honour to spread knowledge through straightforward and engaging writing, and he will be content if his past works are re-published for the benefit of future generations.

His work saw him awarded the prestigious National Artist Award for Literature in 2006, presented annually to people who have made a considerable contribution to the art and culture of Thailand.

A Colombo Plan Scholar at the University of Adelaide, Professor Rawi graduated with a Master of Science in 1952. At that time, the University had 94 international students – today there are more than 5000.

Professor Rawi is one of many success stories to emerge from the Colombo Plan, which fosters economic and social relations in the Asia-Pacific region. Today's unprecedented level of educational and cultural connection owes a lot to trailblazers like Professor Rawi, who were among the first to study abroad under the Plan.



Constructing a more sustainable Mongolia

Gregory Cowan Master of Architecture (Research) 2002 Like all architecture, the buildings of Mongolia's capital city, Ulaanbaatar, tell a story. From the grand, Soviet-style buildings that reveal its recent socialist history, to the traditional tents of its nomadic culture, known as gers, they dot the city's periphery.

"Architecture is a cultural enterprise as well as a business which, at best, helps people to feel a sense of belonging in a place," says Gregory Cowan, an architect and teacher trainer currently based in Ulaanbaatar. "Mongolia has had a nomadic architecture tradition for centuries, and it is experiencing great changes with globalisation."

Gregory is helping Mongolia to face these changes as a teacher trainer with the Voluntary Service Overseas (VSO), a development charity committed to fighting poverty and global disadvantage.

Working with the Construction Technology College, he trains architecture teachers who will, in turn, build education programs and educate a new generation of students in a rapidlydeveloping environment. This will not only help to address a skills shortage in construction design, but will also create construction jobs. "I hope to improve the livelihoods of staff and students by helping them develop professionally. Mongolians will have a greater stake in construction design in the coming years of development and will aim to do this in a more sustainable way."

Almost 40% of Mongolia's population of 2.7 million people, most of whom are traditional nomadic herders, currently live below the poverty line. A lack of resources, literacy problems and poor teaching facilities are daily challenges.

"It's challenging but rewarding to work in architectural education and training in the context of development in Mongolia," he says. "Mongolians love their culture and customs, and many people I meet would like to contribute to their country's development without having to go abroad in order to earn more money."

While in Mongolia, Gregory aims to gain a deeper understanding of the country's architecture and culture.

"Although I will be teaching, there will be a great deal that I can learn and carry with me in future. Mongolia is economically very poor, yet rates above both the UK and Australia in terms of human wellbeing relative to its ecological footprint.

Golden formula for Beijing

The work of a mathematician 110 years ago could play a key role in Australia securing a gold medal in the rowing events at this year's Beijing Olympics.

hen John Henry Michell published a paper on wave resistance of ships back in 1898, it created barely a ripple of interest, much to his disappointment.

The listless reaction from his peers perhaps explains why this brilliant Melbourne mathematician chose not to publish anything more after 1902, instead devoting the remainder of his academic life to teaching. But were he alive today, Professor Michell could well be on the cusp of one of Australia's greatest achievements – in sport.

Fast track to 2008 and another mathematician – University of Adelaide PhD candidate Leo Lazauskas – hopes to finally gain the long overdue recognition for Michell.

Mr Lazauskas is part of a national collaborative effort to design a rowing shell for current World and Australian Pairs Rowing Champions Drew Ginn and Duncan Free. The shell will carry the hopes of millions of Australians at this year's Beijing Olympics.

The major partners involved are: Sykes Racing of Geelong, Australia's leading manufacturer of rowing shells; Dr Matt Dingle of Applied Research and Development, who has worked on the hull; the Victorian Institute of Sport; and the Queensland Academy of Sport.

For his part, Mr Lazauskas has applied the same algorithmic methods advocated by Professor Michell in his wave resistance research in the late 1800s to help minimise the hydrodynamic drag on the hull.

"We are hoping for a 1% advantage over other competitors, which translates to several seconds – a huge margin in sport," he said.

Under the supervision of Professor Ernie Tuck from the University of Adelaide's School of Mathematical Sciences, Mr Lazauskas has used Professor Michell's methods to evaluate thousands of competing shell designs and evolve new ones using techniques such as Memetic Algorithms (abstract templates). "With some mathematical ingenuity and modern computers, I have been able to do calculations in a fraction of a second that would take other methods several days on very large super computers."

Mr Lazauskas started work 12 years ago on designs to optimise the drag of rowing shells.

"I am not a rower but I find the sport to be a fascinating study involving mathematics, advanced computer methods, mechanical engineering and biomechanics. I set myself a goal many years ago that I would like to help design a boat that is used in the Olympics — and it's wonderful to see that dream come to fruition."

Professor Michell's work only applies to thin, slender ships, which is essentially what rowing shells are.

"Essentially, what we have done is tweak the performance of the hull. This involves fine tuning the shell to exactly match the weight, strength and muscle definition of the rowers," he said. "The same boat would not perform as well with lightweight women, for example."

The team work has already paid off, with Drew Ginn and Duncan Free trialling the new rowing shell at the National Championships in March, where they took out the title.

Three identical boats have now been built for the titleholders in the run-up to Beijing – one has been shipped to Europe for pre-Olympic competitions, another one has been sent to Beijing, and a third shell will remain in Australia for training before the European leg.

"This boat was assessed from every possible angle and performance tested by the Australian Institute of Sport," Mr Lazauskas said. "If it hadn't come up to scratch it wouldn't be going to the Olympics because a number of other shells from overseas were also trialled. We're just happy they chose ours." ■

STORY CANDY GIBSON

PHOTO COURTESY OF JAMES WORRELL / AAP

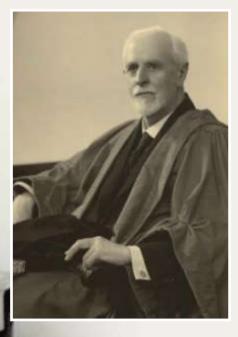
lumen sport





Doctor of many talents

Dr Richard Sanders Rogers pioneered the use of X-rays and hypnotism within medicine and was a leading authority on Australian orchids



r Richard Sanders Rogers made his initial mark in history in 1879 by becoming the first boy from a state school to study at the University of Adelaide.

Over his long career as a medical practitioner, however, he produced several other "firsts" in his readiness to apply new technology and techniques to his practice.

Dr Rogers was born in 1861 and, as a teenager, attended the Pulteney Street State School which later became Pulteney Grammar School. There he won an Education Department scholarship to the University of Adelaide, graduating with a Bachelor of Arts with First Class Honours in 1882.

With the award of a South Australian scholarship, Dr Rogers travelled to the UK and completed his medical degree at the University of Edinburgh in 1887, returning to South Australia to set up his medical practice, first in Port Wakefield and then Adelaide.

In the 1890s, Dr Rogers became interested in hypnotism and its use within medicine and was reportedly the first doctor in private practice to perform a major operation in 1905 while acting as both surgeon and hypnotist. He removed a cyst from the breast of a female patient while she was conscious and talking.

In 1896, only a matter of months after Roentgen's discovery of X-rays, Dr Rogers imported one of the earliest X-ray tubes – the first brought into Adelaide – and encouraged its use in medical diagnosis.

Dr Rogers became Honorary Physician to the Adelaide Hospital in 1897 and, in 1909, undertook a major influential survey of the health of state school children.

He was elected to the Medical Board of South Australia in 1911 and was its President in 1932. In 1919 Dr Rogers was appointed Lecturer in Forensic Medicine at the University of Adelaide, a position he held until his retirement at the age of 78.

In the early 1900s, Dr Rogers began a study of Australian orchids, an interest he'd developed as a child and pursued at university. This hobby soon developed into a passion and between 1906 and 1932 he published 25 papers on orchids and became well known in the field.

He identified and authored at least 85 orchid species from Australia and others from Papua New Guinea and New Zealand. Over 30 years his work was illustrated with coloured drawings and paintings by Adelaide artist Rosa Fiveash.

His work promoted an interest in orchids among school children with a series of articles for the Education Department's *Children's Hour*, published as *Some South Australian Orchids* and the updated *An Introduction to the Study* of *South Australian Orchids*, popular in South Australian school libraries.

In 1905 Dr Rogers was elected a Fellow of the Royal Society of South Australia of which he was President in 1920 and in 1924 he became a Fellow of the Linnaean Society.

Dr Rogers died in 1942. His drive for achievement in such a diverse range of fields was unusual but he was a modest man and made light of his own significant contributions. ■

STORY ROBYN MILLS

The above is derived from several sources, namely: a biography published by the Council of Heads of Australasian Herbaria, Australian National Herbarium and supplied by his grandson, Lauder Scott Rogers; a biographical note by the University of Adelaide Library Special Collections; and Orchids of South Australia by Rob Bates.

Main photo: Dr Richard Sanders Rogers imported the first X-ray to Adelaide in 1896 and encouraged its use in medical diagnosis. Inset: Dr Richard Rogers.

PHOTOS COURTESY OF BARR SMITH LIBRARY SPECIAL COLLECTIONS

Designed to impress

Best known locally as *The Advertiser's* Monday cartoonist, Ross Bateup for many years has had successful, parallel careers as an urban designer and political cartoonist. Ten years ago the two careers came together in a new business, and now their convergence is the subject of a unique PhD.



Published in The Advertiser 2006

Rateup's cartoons were launched in the University of Adelaide's student newspaper *On Dit* at a time when there was plenty of material to sharpen his pencil on.

It was the late '60s, John Bannon and Peter Duncan held the *On Dit* helm, and student activism over Vietnam and a myriad of other issues was rife.

It was the start of a tremendous career which has seen his cartoons published in the *New Yorker*, *New York Times*, *Playboy* and *The Bulletin* among many others. His cartoons have strong political messages and have, at times, sparked controversy.

He tells of one instance during his time as a postgraduate student in the US where student activism, government crackdowns and rioting reached a peak during the Vietnam years. "The University of Pennsylvania had a daily paper called the *Daily Pennsylvanian* and I had cartoons published in that. One of my cartoons upset the US Government enough to the point where the FBI made enquiries about it to the editor."

Ross's cartoons are still syndicated around the world through the *New York Times* / Cartoonists Writers Syndicate and Cagle Professional Cartoonists Index and he publishes a weekly political cartoon in Monday's *The Advertiser*. Ross's other career has been similarly successful. He is a senior urban design consultant, having held director positions with large firms involved in major urban developments in Australia and Asia. He currently consults on a project by project basis.

He graduated with First Class Honours in Architecture at the University of Adelaide in 1968 with three scholarships under his belt, including a Fulbright scholarship which funded the postgraduate study in urban design and city planning at the University of Pennsylvania on a graduate scholarship.

In the US he studied under Louis Kahn – "widely acknowledged as the last of the modern masters in architecture" – and was employed in the office of famous environmentalist and landscape architect Ian McHarg, world-renowned for his philosophy of incorporating environmental concerns into designs. There, Ross was employed on the design of new towns and, back in Australia, he also worked on the new town developments of the Whitlam era – Albury-Wodonga, Bathurst, Orange and Monarto.

Ross is still practising both his architecture and cartooning and, 15 months ago, started a PhD back in the School of Architecture, Landscape Architecture and Urban Design.

"I'd always kept the urban design and cartoon work really separate but about 10 years ago I started to bring the two together in community consultation," Ross says.

"Community consultation is an important component of major urban projects. Over the years I've observed a lot have ended up in a bun fight, partly because of completely different aspirations but usually because

of a lack of understanding on both sides."

His business, Bateup Urban Graphics, produces simple urban design graphics, sometimes with cartoons and sometimes with humour, to express complicated urban ideas for communication with the general public.

He came back to the academic world six years ago when appointed as a Visiting Fellow in the School and has recently been asked to prepare a course of introductory drawing for new Architecture students.

His PhD is exploring the parallels in the creative process between cartoon drawing and architecture and the possible application of cartoons within architectural education.

"It's raised some eyebrows within the academic world," Ross laughs. ■

STORY ROBYN MILLS



Dentist brings a smile of hope

Tens of thousands of children in 25 developing countries are born with facial deformities each year. The work of one graduate promises to return their smile.

hen Malaysian dentist Asilah Yusof graduated from the University of Adelaide in April, she raised the hopes of thousands of young Malay children affected by craniofacial abnormalities.

The PhD graduate is using her newly acquired postgraduate degree to help treat children with cleft lip and palate deformities, the most common form of facial abnormalities in Malaysians.

Her thesis findings will provide dental surgeons with a new set of measurements to help diagnose, treat and also improve the post-operative care of children with craniofacial abnormalities.

"Malays tend to have a shorter anterior cranial base, which may set up a wider palate and maxillary arch," Asilah said. "My PhD involved developing reference data of Malay children based on three-dimensional computed topography, comparing facial variables between males and females and also comparing the results with Caucasian populations."

Asilah's postgraduate studies were sponsored by her employer, the Universiti Sains Malaysia, where she is teaching dental students and furthering her research into craniofacial morphology.

She completed her Graduate Diploma in Clinical Dentistry at the University of Adelaide in 2000 after finishing an undergraduate degree at the University of Otago in New Zealand.

Born and raised in Kota Bharu, Kelantan, Asilah is the offspring of two health workers. She was inspired to study dentistry as a child after visits to the hospital clinic.

"I worked with the Ministry of Health Malaysia as a dentist after graduating in 1996 and spent a year working in a remote rural area, which opened my eyes to the facial deformities that affect many young children," she said.

Asilah joined the Universiti Sains Malaysia in 1999 as a trainee lecturer and was encouraged to return to Adelaide to study for her PhD in 2001.

"The dental school in Adelaide has an outstanding reputation, due to the excellent supervision provided by Professor Grant Townsend and Dr David Netherway," she said.

Asilah intends to use her PhD to continue her research into software development for craniofacial analysis and post-operative implant placements in the Hospital Universiti Sains Malaysia.

She graduated at an offshore ceremony at the Grand Hyatt Hotel in Hong Kong on 13 April with 70 other students. ■

Above: Asilah Yusof (right) pictured with husband Mohd Zuraidi and daughter Nadia.



Helping heritage one bite at

Guests were treated to more than just good food at the University's recent heritage fundraising dinner. More than 150 of Adelaide's leading business figures enjoyed an up close and personal experience of some of the University's heritage-listed buildings — Elder Hall, the Mitchell building and Bonython Hall — at a progressive dinner held to raise funds for their ongoing restoration and preservation.

The dinner raised more than \$150,000 for the University's Heritage Foundation, marking a return to the private benefaction that has played so vital a role in the University's development over the last 134 years.

The sold-out event was the brainchild of the University of Adelaide's Heritage Foundation Chair, property developer Theo Maras AM, who said he was "overwhelmed" by the outstanding generosity of Adelaide's business sector.

"Our initial target figure of \$100,000 has been well and truly exceeded thanks to

their generosity," Mr Maras said. "The profits will be used to restore, preserve and conserve the University's iconic, heritage-listed buildings, not only for future generations of students, but the whole community."

The University of Adelaide's Heritage Foundation hosted the event to highlight the cultural and historic significance of these buildings to the University and to the State.

While the oldest buildings of the University – including the Mitchell Building at 126 years old, Elder Hall at 108, and Bonython Hall, a relative youngster at 72 — might be getting on in years, their relevance to today's University is stronger than ever.

Not only are the buildings in use every day, housing everything from administrative staff to student concerts, they are landmarks appreciated state-wide, and drawcards for the wider public.



a time

"The interest received from across Adelaide's business community goes to show that all South Australians have great pride in these buildings and are keen to see them preserved. They are a wonderful asset and a distinct part of Adelaide's cultural life," said Mr Maras.

The University has spent more than \$5 million on conservation plans alone for these three buildings since 2005.

The conservation work on Bonython Hall was the only Australian project honoured in the UNESCO Asia-Pacific Heritage Awards in 2007. UNESCO's Regional Advisor for Culture, Mr Richard Engelhardt, attended the event from Bangkok to present the award to the University's Vice-Chancellor and President, Professor James McWha. ■

Pictured at the Heritage Dinner:

- 1. Bonython Hall
- 2. Lindsay McWha and University of Adelaide Vice-Chancellor and President Professor James McWha
- 3. Mary Wilson, The Hon Ian Wilson AM, Chris C P Chong, Helen Chong
- 4. Anne Hetzel OAM, Dr Basil Hetzel AC
- 5. Helen Maras, Theo Maras AM
- 6. Kym Cheek, Alison Pearson
- 7. Ruth Hemmerling, Dr Mal Hemmerling, Deborah Schultz, Dr Barry Schultz
- 8. Julie von Doussa and University of Adelaide Chancellor the Hon. John von Doussa QC

New era for alumni

2008 is a big year for alumni relations. As part of the University's new Alumni Relations Strategic Plan, two exciting new programs will be launched, giving alumni unprecedented access to benefits, services and networking opportunities.

Adelaide onLION

Have you ever wondered what happened to your fellow classmates – what they are doing now and where they are located? Would you like to organise your class reunion or contact a long lost friend from university? Are you travelling interstate or overseas and would like to meet with someone in your industry who studied at your *alma mater*?

If you answered 'yes' to any of these questions, then our new online community is for you.

On 1 July 2008, the University of Adelaide will launch Adelaide onLION, an interactive social and professional networking facility that will enable you to connect with graduates, students and staff all within a secure, private online environment. Some of the things you will be able to do are:

- Create your own personal profile, add photos, videos, blogs etc
- Choose how your information is displayed to members
- Reconnect with friends or staff
- Network socially and professionally by creating or joining interest groups
- Access exclusive alumni privileges and opportunities
- Access mentors and a career centre
- Subscribe to the latest University news and RSS feeds
- Post advertisements, subscribe to noticeboards etc
- Register for events online

Adelaide onLION is open to all University of Adelaide alumni – including graduates, current and former staff, and current and former students. Limited access will also be available for friends of the University.

The inspiration behind the name Adelaide onLION is the Bonython Hall lion, an icon of the University's tradition and 134-year heritage.

Alumni Membership Program and Privileges Package

Another exciting program to be launched in 2008 is the Membership Program and Privileges Package. You will be receiving your personalised Membership Card in the post some time in July. This card will identify you as a member of our alumni community - now 55,000 strong. The card will give you exclusive access to benefits and services within the Privileges Package.

Development and Alumni look forward to your comments and feedback on these new programs as they are rolled out over the coming months. The success of the alumni program depends as much on your involvement as it does with the engagement tools on offer.

For more information, visit Development and Alumni at www.adelaide.edu/alumni

STORY KIM HARVEY

STORY LANA GUINEAY

alumni on the move

2000s

Simon Joyce *[MBA 2008]* After achieving a distinction for his studies, Simon was awarded the Hong Kong Institute of Housing Strategic Management Prize. Simon has been appointed General Manager of Hong Kong's premier swim school, Harry Wright International.

Dr Kate Selway *[BSc (Hons) PhD 2007]* Kate has recently been named the 2008 South Australian Young Achiever of the Year in addition to receiving the University of Adelaide Science & Technology Award. She is currently working on a collaborative project between the University of Adelaide, BHP Billiton and Teck Cominco in the Olympic Dam region, carrying out large scale magnetotelluric (electromagnetic) surveys which provide 3D images of the earth to depths of about 70 kilometres.

Shenglin Li *(BCom (Corp Fin) 2005 M Com (App Fin) 2006)* Li is currently working for the China–Africa Development Fund, which aims to promote economic cooperation between China and Africa and advance Africa's economic development. The fund is administered by the China Development Bank.

Damien Donavan [BA (Hons) 2004] Damien left full-time service with the Royal Australian Air Force to work in the Department of Foreign Affairs and Trade. He then completed his Master of Engineering Science and Arts component of M Arts / M Phil at UNSW College Campus, Australian Defence Force Academy, before being posted to the High Commission in Brunei.

Laura Brooks (*BE* (*Mech*) (*Hons*) (*University Medal*) 2003/ Laura was awarded the 2006 Fulbright Postgraduate Award in Engineering, and has been undertaking research at the Scripps Institution of Oceanography, California, since August 2006. She is researching signal processing techniques in the ocean environment. Laura was a finalist in the South Australian Channel 9 Young Achiever Awards in 2007–2008. She will return to Australia to submit her PhD in Engineering this July, and will then move to New Zealand to take up a Postdoctoral Fellowship in Ambient Noise Seismology at Victoria University. **Brooke Summers** *[BSc (Hons) 2003]* Brooke is investigating the effects of binge drinking during pregnancy on fetal developments and was a finalist for the 2008 University of Adelaide Science & Technology Award.

Thea Sarris *(BArch (Hons) 2001)* Thea has recently joined Adelaide architect and interior design firm JPE as Associate Director of Urban Design, and will be involved in a series of high-profile public space projects including the 'Rundle Lantern' big screen video display. Thea has over 20 years of design practice experience and gained professional expertise in Stockholm and Milan.

Jarrod Bishop (BEnv Sc (Hons) 2000) Jarrod started his own company in late 2007. LBW Environment is a small South Australian environmental consultancy which has recently provided environmental services to Hindmarsh as part of the redevelopment of the Maths building at the University of Adelaide. Jarrod holds the position of Senior Environmental Scientist at LBW.

John Michael Harris [Grad Dip Bus Admin 2000] John moved from his position of Finance Manager at the City of Tea Tree Gully to a software company, now known as Civica, during the time of his studies at the University of Adelaide. In 2001 he relocated to the Sydney office for a senior management role with Civica, before relocating to Singapore in 2007. He is now Director of Operations of Civica's Library and Learning Division for the East Asia Region, managing software support and implementation, library collection services and provision of manpower for over 300 primary and secondary schools and junior colleges.

Jonathan Giesecke *(BE (Civil & Env) (Hons)* 2000/ Jonathan has relocated from Adelaide to Singapore with global engineering, construction and services company KBR to take up the position of Track and Civil Manager for the inaugural Singapore Formula One Grand Prix this September. It is to be the first Formula One race to be held at night with the entire circuit illuminated by a temporary lighting system, approximately three times brighter than daylight.

1990s

Steve Marafiote *(BCom 1999)* In 2003, Steve started Australian Quality Plus, a company that supplies perishable foods to 24 countries. Last year Steve was awarded a KPMG Young Leader Award, as well as the Australian–Arab Council Business Ambassador of the Year and several South Australian awards.

Nigel Stevenson *[BCom 1994]* Nigel has recently been appointed a partner with Ernst & Young in Adelaide in the Assurance and Advisory Business Services Group. Nigel has worked with Ernst & Young in recent years in both the UK and Australia, specialising in listed company audits and accounting advisory services.

David Hill [*BCom 1992*] David, now a forensic accountant for a loss adjusting firm, married Sally, a marketing lecturer in the University of Adelaide's Business School, in June 2007. The couple bought a house in Parkside a year and a half ago and their first child, Joshua, was born in early 2008.

1980s

Dr David Greenwood *[BSc 1981, BSc (Hons)* 1982, PhD 1988] After moving from Victoria University in Melbourne to Brandon University in Manitoba, Canada in 2004, David was promoted to Professor in April 2007 and was made Chair of the new Department of Biology in November 2007. He continues in the role of Coordinator of the Environmental Science degree and recently celebrated the opening of his new Environmental Science research laboratory, funded by the Canada Foundation for Innovation and the Manitoba Research and Innovation Fund.

Alan Noble *[B (Elec) (Hons) 1983]* Alan joined Google in February 2007 and is currently the Engineering Director for Google Australia and New Zealand. Alan has recently been appointed an Adjunct Professor to the University of Adelaide's School of Computer Science.

lumen milestones

What's new with you? If you've recently changed jobs, been promoted, moved interstate or overseas, got married, etc. 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 8 8303 5800. High quality photos are also welcome (300dpi)



Alan Noble



David Hill and Sally Rao Hill



Dr Kate Selway



Brooke Summers

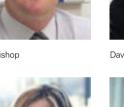




Jarrod Bishop

Thea Sarris







Dr Rob Porra



Simon Jovce

Professor John Carver

Professor John Carver [BSc (Hons) 1979 PhD 1983 (ANU)] After completing his PhD and undertaking research at the University of Oxford, Professor Carver returned to the University of Adelaide in 1986 as a Senior Teaching Fellow in the Department of Biochemistry and again in 2004 to take up the role of Head of School in Chemistry & Physics. Professor Carver has recently handed this position over to Professor Derek Leinweber and is currently the Faculty of Sciences' Deputy Executive Dean. His area of expertise is Biological Chemistry with his current research focus being an investigation into the aggregation of proteins associated with diseases such as Alzheimer's, Parkinson's and cataracts, with the long-term goal of developing new therapeutics.

Joanna Catherine Scott [BA (Hons) 1975] Joanna is the author of five novels, one non-fiction and three poetry collections. Born in England and raised in Australia, Joanna now resides in North Carolina, USA.

Dr Tan Hock Lim [MBBS 1972] Dr Tan has facilitated the collaboration of the Great Ormond Street Hospital (GOSH) of London and Universiti Kebangsaan Malaysia Medical Centre (formerly known as HUKM), to establish a training facility for paediatric surgeons in the Malaysian region.

1960s

Barry Dale [MBBS 1966] After spending 30 years in clinical haematology and medical oncology at the Queen Elizabeth Hospital in Adelaide, Barry left clinical medicine and moved to Sydney to become Medical Advisor to ASTA Medica then subsequently Baxter Healthcare. Barry has since semi-retired and is living in the Southern Highlands of NSW, where he has established a consulting business offering services to companies that may benefit from his expertise.

1950s

Dr Gordon Chambers [MBBS 1957] Gordon relocated from Adelaide to England in 1959 and began working at the National Health Service (NHS) in Peterborough, Dundee and Birmingham as a Senior Registrar. In 1968, Gordon was appointed Consultant Orthopaedic Surgeon at a new hospital in Peterborough, before retiring from the NHS in 1998.

Dr Robert Porra (Dip Pharm 1953, B Sc 1957, BSc (Hons) Biochem 1958, PhD 1963 (ANU)] Robert retired in 1993 from CSIRO's Division of Plant Industry, remaining an Honorary Research Fellow. He has published approximately 70 research papers and co-edited a book entitled Chlorophylls and Bacteriochlorophylls: Biochemistry, Biophysics and Biological Functions (2006).

He is enjoying a long and successful 15-year post-retirement research career, including a collaboration with Professor Hugo Scheer in Munich which involves many visits to Germany.

Celebrating 125 years

Roseworthy Campus will host a series of special events later this year to celebrate its 125th birthday and showcase its vision for the future.

n Saturday 18 October, a commemorative service will be held in majestic St Peter's Cathedral at 11am, followed by a graduation re-enactment ceremony in Bonython Hall at 3pm, including the presentation of Awards of Merit and Humanitarian awards.

Later that evening a celebratory dinner will take place at the Pavilion (Adelaide Oval) acknowledging Roseworthy's longstanding involvement in agricultural education and research, with an exhibition of archival photographs.

Current and former staff and Council members will be invited to a reunion at the Roseworthy Campus, while Natural Resources graduates (1976–1980) will get together at the Adelaide Oval Pavilion on Saturday 1 November.

The following day, on Sunday 2 November, the Roseworthy Campus will hold a special Open Day, featuring the theme, "The Science Behind the Product".

Campus Director Professor Phil Hynd said the day would showcase Roseworthy's future while celebrating its history, and would focus on agricultural systems, animal production and veterinary science.

"Over its 125 year history, Roseworthy has developed an international reputation for excellence in research and teaching in dryland agriculture, natural resources management, winemaking and animal production," Professor Hynd said.

"A new vision has been developed for the campus into the 21st century. We aim to combine internal expertise and external resources to make the campus a hub for information transfer, commercialisation, education and research to service the agricultural industries for the next 125 years."

Professor Hynd said research and teaching excellence were critical in achieving these goals.

"Already the campus is home to the State Government's Constellation in Animal Science, a 10-year vision for science, technology and innovation in South Australia.

"Roseworthy is also a major player in five cooperative research centres – pork, poultry, sheep, beef and bioremediation – and a participant in overseas development aid programs in India, China and Tibet."

This year Roseworthy is also celebrating the launch of the State's first veterinary science school, accepting 50 students in the inaugural 2008 intake.

To ensure research and teaching are conducted in a real-world context, commercial partners are encouraged to make Roseworthy their home base.

These include Australian Grain Technologies Pty Ltd, the largest cereal breeding company in Australia, which has made Roseworthy the centre of its national operations. The last link in the chain is to develop a seamless transition of education from secondary school to TAFE, and to University.

"Secondary school students are already spending time on the campus using the 'field classroom' to bring science to life," Professor Hynd said. "It is envisaged that a permanent secondary school presence will ultimately be established at Roseworthy with an emphasis on science and agriculture."

The Roseworthy Open Day on 2 November will be held from 11am–5pm and include exhibits, talks, food, entertainment and family activities. ■

For more information, nominations for Roseworthy Humanitarian awards, or to register to attend any of the 125th anniversary events, please contact Rebecca Pym, Events Officer on +61 8 8303 3317 or email: roseworthy125@adelaide.edu.au



THE UNIVERSITY OF ADELAIDE OFFICIAL MERCHANDISE

www.adelaide.edu.au/alumni/merchandise





THE UNIVERSITY OF ADELAIDE OFFICIAL MERCHANDISE ORDER FORM

www.adelaide.edu.au/alumni/merchandise

ITEM		QTY	TOTAL PRICE Overseas Price	TOTAL PRICE* Within Australia	TOTAL COST	
Bonython Hall Print (unframed – Limited Edition)			\$86.35	\$95.00		
Business Card Holder – metallic silver			\$13.65	\$15.00		
Business Card Holder – leather			\$18.15	\$19.95		
Car Sticker				\$2.00		
Coaster Set (6) – stainless steel			\$20.00	\$22.00		
Coffee Mug – straight – red			\$5.50	\$6.00		
Coffee Mug – flared – red			\$5.50	\$6.00		
Coffee Mug – tapered – navy			\$7.30	\$8.00		
Coffee Plunger and Mug set – silver			\$50.00	\$55.00		
Compact Mirror – silver			\$13.65	\$15.00		
Champagne Stopper			\$16.35	\$18.00		
Document Holder			\$4.55	\$5.00		
Drink Bottle – aluminium			\$18.15	\$19.95		
, ,	Key Ring – silver		\$10.90	\$12.00		
Lapel Pin			\$3.65	\$4.00		
Lanyard – University of Adelaide			\$2.30	\$2.50		
Luggage Tag – metallic silver			\$9.10 \$18.20	\$10.00 \$20.00		
Paperweight – red wood Pen – metallic blue			\$18.20	\$20.00		
Pen – metallic blue Pen – satin silver (boxed)			\$18.20	\$0.50		
Photo Frame – metallic silver			\$13.65	\$20.00		
Stubby Holder			\$13.05	\$13.00		
Fleece (detachable sleeves) $\Box XS \Box S$			\$50.00	\$55.00		
Hoodie – Ladies \Box S8 \Box M10-12 \Box L14-			\$50.00	\$55.00		
			\$50.00	\$55.00		
Polo Shirt IIXS IIS IIM IL IIXL			\$36.35	\$40.00		
Unisex T-shirt IIXS IIS IIL			\$22.70	\$25.00		
Rugby Top 🗆 XS 🗆 S 🗆 M 🗆 L 🗆 XL			\$45.45	\$50.00		
Ladies Fitted Rugby 08 010 012 014 016 018			\$36.35	\$40.00		
University Cap – navy brushed heavy cotton			\$10.90	\$12.00		
University Tie – navy with gold stripes and embossed lion (silk)			\$31.80	\$35.00		
University Wrapping Paper 🛛 Red 🗆 Blue				\$2.50		
* Prices include GST as applies in Australia				Sub Total		
		Orders to \$49.99	\$7.00			
ADD POSTAGE AND HANDLING COSTS	Orders between \$5	50.00 and \$99.99	\$10.00			
		ers over \$100.00	\$13.00			
International postage costs to be advised on	application.			Total		
PERSONAL DETAILS / DELIVERY ADDRES	S	POSTAL ADDRE	OSTAL ADDRESS OFFICE LOCATION			
Name:						
Street:		Development an	· · ·	Level 1 / 230 North Terrace, Adelaide Telephone: +61 8 8303 5800 Facsimile: +61 8 8303 5808 Email: alumni@adelaide.edu.au		
		Reply Paid 498 (The University of	within Australia only) Adelaide			
Suburb:		SA 5005 AUST				
State:	Postcode:			_		
Country:		OFFICE USE ON	Y OFFICE USE ONLY			
Daytime Telephone:			Receipt Number:			
Email:		Merchandise Re	gister			
Please tick if you are: 🗆 UofA Graduate 🗆 UofA Student 🗆 UofA Staff – Like to receive the University's Free publication "LUMEN"? Yes 🗆 No 🗆						
PAYMENT (Please tick) Credit Card Cheque (Australia only) Cash (Australia only)						
For the amount of \$AUD (ALL cheques to be made payable to the University of Adelaide)						
□ Please debit my □ Visa □ Mastercard						
Name on Card:		Signature: Date:				

You can make a difference

When you've had a good life, it's a privilege and a responsibility to give something back. That's the philosophy of alumnus and long-term University of Adelaide volunteer, Clive Brooks.

After graduating from the University of Adelaide with a Bachelor of Laws in 1967, Clive had a successful career as a solicitor both in private practice and with the Attorney General's Department. He completed a second degree at his *alma mater*, a Graduate Certificate in Management, in 1995.

When he reached retirement in 2002, his involvement with the University took a new turn. Clive began volunteering for the Development and Alumni Office – and has been an invaluable member of the team ever since. He also volunteers with Radio Adelaide, helping to put together a weekly radio show, 'Expanding Horizons'.

Putting his research skills to good use, Clive delves into the University's history and archives to provide help on a range of projects. He says he enjoys making a difference to the University that gave him his foundation, through doing valuable research that staff would never have the time to do.

"It's rewarding work," says Clive, "doing something which is worthwhile and will have a long-term benefit to the University."

For more information about giving to the University of Adelaide, contact: Development and Alumni, +61 8 8303 5800 or email development@adelaide.edu.au



After 70 years we've seen it all. We're still the best for...

- Health Insurance
- Travel, Home and Car Insurance
- Overseas Visitors and Overseas Students Cover

Call our Mobile Sales Consultant on 0403 352 847 for the Alumni special offer.

For information on our products, call 131 243, visit mutualcommunity.com.au or your local branch.

