

# Adelaidean

Volume 10 Number 3

News from Adelaide University

April 2001

I N S I D E



**A very fishy discovery**

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**Tribute to Andy Thomas**

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**Art courses paint popular picture**

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## Extinction claims a furry friend

ANOTHER species can be added to South Australia's growing list of extinctions, following an exhaustive two-year search for evidence of a once-common native marsupial—the brush-tailed phascogale.

This small mammal, which lived in the Adelaide Hills and surrounding areas, has been the focus of research efforts by Dr Peter Hornsby, from Adelaide University's Department of Psychology, and Mr Chris Leigh, from the Department of Anatomical Sciences.

A specialist in animal behaviour, particularly that of rock-wallabies, Dr Hornsby has broadened his interests to include other native species. These include phascogales—small, carnivorous marsupials with large bushy tails.

"We have just completed our two-year search for brush-tailed phascogales in the southern Mount Lofty Ranges, without finding any. Furthermore, we also looked in the south-east, around Naracoorte, where the last official sighting occurred in 1967. It is a safe bet that all the phascogales have gone, adding another species to our extinction list," Dr Hornsby said.

While phascogales can still be found in other Australian States, and in captivity as at Adelaide Zoo, its extinction in the Mount Lofty Ranges sounds a clear warning about species in decline. Last month the *Adelaidean* carried a story about the catastrophic demise of bird species in the Adelaide Hills. Dr Hornsby said birds were only part of an environment in serious trouble.

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## The shape, and face, of things to come...

FUTURE humans will only be able to reproduce with medical help, and the most "common" human will not be a white male, but a woman of dark skin and brown eyes.

These are two of many thought-provoking predictions made by Adelaide University's renowned evolutionary biologist, Professor Maciej Henneberg.

Professor Henneberg, who heads the University's Department of Anatomical Sciences, has outlined his vision of the future of human evolution in a paper for the Greek journal *Aferoma*, and says the speed of changes in humans is increasing.

Based on the present and recent past of human evolution, he has made a series of predictions about its future—with some surprising results.

### APPEARANCE

Due to the domination of Western culture, we still think of the average human being as a 'white' male. But this will not always be the case, Professor Henneberg said.

"The most common form of a human being will be the female form of rather dark skin and brown eyes," he said.

This is because populations of countries are currently increasing at different rates, with Western countries not increasing as quickly as other countries, he said.

"With travel becoming progressively easier, there will be more mixing of people from various populations," he said.

"Therefore each one of us, in our city or country, will be encountering people who do not look like the members of our family or like members of our nation in previous generations. Yet culturally they will be as much our compatriots as anyone else."

Professor Henneberg said the replacement of



Evolution expert Professor Maciej Henneberg. Photo: Brenton Edwards.

the white male as the most common human does not mean it and other forms of humans will "disappear".

Instead, with medicine having reduced most causes of early mortality (of infants, children and young adults), the already stabilising natural selection will become even more relaxed in the future.

This will produce an increase in the range of variability in human physical characteristics, including skin colour, eye and hair colour, hair form, and body size and shape.

### REPRODUCTION

Humans are already in almost complete control of fertility, with parents being able to choose when they want to have a child, and its sex, and this trend will develop even

further, Professor Henneberg said.

Those who are infertile can still produce babies by a variety of assisted reproductive techniques, but such assisted production will have a major effect on humans' ability to reproduce.

"If the full genomes of infertile parents are used in those techniques to produce babies, then there is a distinct possibility that children so produced will inherit infertility—the only way they will be able to have their own babies will be through assisted reproduction.

"Thus we are faced with a possibility that the number of infertile people will be increasing in the future and that eventually humans will only be able to reproduce with medical help."

### LIFE SPAN

"The increase in the average human life span in the recent past resulted mostly from our ability to prevent premature death from diseases, especially in infants and children. The normal duration of the life of a healthy individual did not seem to change substantially," Professor Henneberg said.

"Thus, now, when early death is under control there is no reason to expect substantial increases in the human life span—we will nearly all live to the old age and die at the normal end of the human life span, around 90-100 years since birth."

### THE BRAIN

We also don't understand nearly enough about how our brains work, according to Professor Henneberg, and he fears this lack of knowledge could be disastrous in the future.

"As a by-product of various medical and technological developments, brains of many individuals in the future may be less than optimal," he said. "We will be manipulating them using limited and imperfect knowledge."

### HEIGHT

Professor Henneberg has forecast that the increase in size of human beings is also likely to slow down in future. This is because increase in stature cannot continue indefinitely, as there is a limit to the functional size of the human body.

"It is a common belief that improved nutrition leads to taller stature. While this is true, it is only by about six to seven centimetres, or 3%," he said.

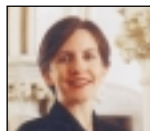
"Increases in human stature cannot continue indefinitely, even if we change genetic endowment so as to produce very tall people, because mechanical demands on tissues of very large bodies are different to those in bodies of moderate size.

*Continued Page 12*



# VoicE

## Friends and firsts



The value of the University's offshore efforts was clearly underlined for me in the past weeks when I travelled to South-East Asia for graduation ceremonies in Singapore and Malaysia.

The round of events included our first official graduation ceremony in Singapore. Forty-five graduates celebrated their achievements at the event, with more than 200 people attending the ceremony and following dinner.

The graduation speaker was Mr Iswaran, an Adelaide graduate and now a prominent Singapore MP and businessman. His thought-provoking speech (reproduced on this page) told of how his time in Adelaide had changed him. He also urged graduates to use their cross-cultural experiences to help Singapore navigate the new economy based on the so-called digital/knowledge divide.

The macebearer was David Kon Hang Siow, who is an excellent example of how Adelaide University's international efforts are attracting excellent students from all over the world. David, Senior Customer Support Engineer, Asia Pacific, for Cisco Systems, was named as the most outstanding MBA Singapore graduate for the year 2000. He said he was attracted to the Adelaide MBA program (offered through Ngee Ann-Adelaide Education Centre) because it was flexible and meant he didn't have to leave Singapore, which was very important to him as he has a wife and young family.

The Singapore ceremony was also noteworthy for the graduation of six UN-endorsed students from courses in environmental management. Adelaide offers these courses in partnership with the United Nations, and the courses are taught in Singapore through the Ngee Ann-Adelaide Education Centre.

In Kuala Lumpur, 76 students graduated with a total crowd of about 500. Again, we were fortunate to have an excellent guest speaker—the Minister for Agriculture, Datuk Effendi Norwawi.

His speech was energetic and positive, emphasising the personal qualities required for success and urging graduates to play a role in the continuing rapid development of Malaysia.

As well as graduation ceremonies, our offshore celebrations this year also included alumni events and careers nights for prospective students. In other words, we celebrated the full cycle of University life. Careers nights were held in Kota Kinabalu (Sabah) and Kuala Lumpur. The KL event included thought-provoking contributions from Adelaide alumni Chris Chong and Joanna Teh, who spoke about their time in Adelaide and subsequent careers.

The events were very well organised and generated an overwhelming feeling of goodwill. Those who attended the various events were very impressed. The events indicated strongly that the University values its Singaporean and Malaysian students and alumni. There is a cost, of course, but it's very hard to put a value on the goodwill generated by our offshore celebrations.

Credit must go to the team from across the University who helped organise the events—including the Graduations Office, the Prospective Students' Office, Media, Marketing and Publications, and Alumni, Community Relations and Development.

MARY O'KANE

## Adelaidean

**Editor**  
David Ellis

**Layout**  
Julie Ryke

**Printed by**  
Cadillac Color

**Writers**  
Rob Morrison

Ben Osborne  
John Drislane  
Patrick Phuong

**Contributors**  
Kim McBride  
Lee Welch

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Room G07 Mitchell Building, South Australia, 5005. Tel (08) 8303 5174; Fax (08) 8303 4838; Email: julie.ryke@adelaide.edu.au

Website: <http://www.adelaide.edu.au/Adelaidean/home.html>

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# GRADUATION

SINGAPORE

## Graduates urged to rise to the challenge

ADELAIDE University held its first official graduation ceremony in Singapore on Saturday 17 March.

Around 45 students attended the event, held at the Westin Stamford Hotel.

The guest speaker was Mr S Iswaran, an Adelaide University Economics graduate who is now a successful businessman and Member of Parliament in Singapore.

The following represents the main part of Mr Iswaran's address to graduates:

### A Proud Tradition and Illustrious Alumni

As you receive your degrees today, you should take pride in the fact that you have received your education from one of the finest Australian universities with a proud tradition—not just in Australia but also internationally. In Singapore, Adelaide University has illustrious alumni. It counts in its ranks our former President and his late wife, Cabinet Ministers, Permanent Secretaries, including the Head of the Civil Service and Singapore's first female Permanent Secretary, and leaders of industry. Not bad for a University from a State perhaps best known for the Barossa Valley and its vineyards!

I remember vividly my first impressions of Adelaide in 1982. My Singaporean friends and I had arrived after a rather tiring journey from Singapore via Sydney. There were no international flights to Adelaide then, and we had missed our domestic connection. But this did not dampen the enthusiasm of two young women and seven young men out to seek adventure. It was past eight in the evening, and we tropical types were struck by the brightness of the Aussie summer sky. The air was cool and crisp—rather like outdoor air-conditioning—and we began to dream of long summer evenings of fun in great weather.

But the reality check was swift. An official from ADAB quickly bundled us into a waiting bus to take us to the residential college which was to be our home for the next four years. The streets seemed rather empty and the shops were closed. To our horror, we were told that the shops closed at five in the evening; but that there was late night shopping till 9pm on Fridays and weekend shopping on Saturday mornings. You can imagine what a rude shock this was to a bunch of Singaporeans brought up on a staple of shopping till late in the evening on weekdays and certainly on weekends. That was the first of many lessons in cultural diversity.

We overcame this initial setback, we went on to have four of the most memorable years of our lives. We learnt to appreciate the Aussie way of life, their love for sports and the great outdoors. We go back often. Things have changed significantly since the early '80s. Adelaide now has an international airport. We have several direct flights from Singapore, every day of the week. And, yes, they now have longer shopping hours.

But what hasn't changed, and what my friends and I remember most, is the warmth of the people—our lecturers, our friends and their families. The people we met, the analytical tools we acquired, the intellectual curiosity we nurtured, and the values we imbibed are the most enduring legacies of our education at Adelaide University.

### AN ERA OF CHANGE

Since graduation, I have had the opportunity to serve in the public sector,



Guest speaker Mr S Iswaran at the graduation ceremony in Singapore.

in an NGO, and in private enterprise. I thought I might draw upon this background to share with you my perspective of the professional and social challenges that lie ahead for all of us, and how your education with Adelaide University might have prepared you to face them.

### Inter-Disciplinary Approach to Value Creation

We live in an era when more than ever an inter-disciplinary approach is essential to the creation of value. We must be prepared to work across traditional boundaries of various disciplines in order to build new knowledge. The Human Genome Project is a good example. The mapping of the human genome was achieved because geneticists worked in collaboration with computer scientists. Massive computing power was used to decode the raw genetic data. In the field of bio-engineering, orthopaedic surgeons work closely with electrical/mechanical engineers to create replacement parts for joints. Telecommunications, broadcasting and information technology are converging, rapidly blurring the differences between the desk top computer, the mobile phone, your hand held Personal Digital Assistant, and the humble television.

On a more esoteric front, I recently heard of a proteomics specialist who worked with a musician and IT expert to create music based on the structure of protein molecules. This means that even as we train in specific disciplines, we need a mindset that will enable us to think creatively across disciplines and work productively in multi-disciplinary teams.

### Cultural Diversity as Way of Life

Geographical boundaries, like disciplinary boundaries, have also become less relevant. In Singapore, at least one fifth of the resident population is of foreign origin. It is not uncommon today to find companies which draw on talent from across the globe. My work in Temasek brings me in contact with many such companies. A semiconductor wafer fabrication plant in Shanghai has investors from the US, Hong Kong, China, Taiwan and Singapore. Their engineers are from even more diverse backgrounds—including Eastern Europeans and Scandinavians. Internet and technology start-ups, here and in the Silicon Valley, very often have founders who hail from Asia, Europe and the US. We must therefore have the

ability to work effectively across cultural differences.

### Digital Divide

The so-called digital divide is yet another aspect of the world today—it is a convenient short-hand to describe the difference between those who have somewhat effortlessly plugged into the information age and those who struggle to keep up. To understand how much information technology has permeated our lives, just consider the impact it has had on our daily language. Not too long ago, a keyboard was something we played music on, a portal was an ostentatious word for door or entrance, a mouse was a rodent, and a mouse pad was presumably where the mouse lived.

Today, we have a whole new lexicon—just ask our children. In today's *Straits Times*, there is a report that about 50% of Singaporean households have access to the Internet. Yet, the digital divide between the information haves and have-nots occurs in all spheres of our lives—in the home, at work and even at play. We have to accept this reality and find ways to bridge the gaps.

### Widening Socio-Economic Differences

The income gap between the top tiers and the lower income groups continues to widen. This is true both across nations and within societies. One of the greatest concerns of the digital revolution is the fear that the least and less developed countries will be left further behind, that urban communities will race ahead of rural communities, and that socio-economic schisms will emerge within societies. In Singapore, for example, the ratio of the average income of the top 20% of households to the lowest 20% of households has increased from 11.4 in 1990 to 20.9 in 2000—almost a doubling in 10 years. This despite the fact that those in lower income brackets have had absolute increases in their income. There are many contributory factors including globalisation, global competition for talent and new remuneration systems (eg stock options). But this is of little comfort—social cohesion is the bedrock of any human endeavour. And a country's success cannot and should not be measured by just its GDP growth or the exploits of its entrepreneurs. The way that society cares for its weak and disadvantaged is equally important. And we must all play our part in this effort to achieve greater social equity.

### Conclusion

As graduates of Adelaide University, you are well-placed to deal with these challenges. The behavioural psychologist BF Skinner once said: "Education is what survives when what has been learned has been forgotten." The University has given you a sound educational foundation and endowed you with the analytical skills to handle complex problems. Your exposure to fellow students from different disciplines and backgrounds would have prepared you well for the inter-disciplinary cross-cultural requirements of the new economy. As university graduates, you are on the "right" side of the digital/knowledge divide and thus best placed to moderate the consequences of the widening socio-economic gaps.

It is now up to you to rise to these challenges. I wish you all the best.



# Overseas graduations are a beauty

ADELAIDE University recently held two highly successful offshore graduation ceremonies in Malaysia and Singapore, with more than 120 students in total graduating.

The Singapore ceremony, held at the Hotel Westin Stamford, was the first official graduation ceremony held in that country, while the Malaysian ceremony, held at the Hotel Nikko in Kuala Lumpur, was the eighth such event.

Both ceremonies were highlighted by powerful graduation speeches from noted political and business figures from their respective countries.

The Singapore speech was delivered by Mr Iswaran, a Singapore MP, Adelaide alumnus and successful businessman, who spoke passionately about Adelaide's Singapore graduates being well-placed to bridge the widening socio-economic gaps in the world's societies [see page 2].

Datuk Effendi Norwawi gave the Malaysian graduation address, which focused on the attributes needed by graduates to be successful in today's world [see story this page].

Datuk Norwawi is a University of Tasmania graduate, and is presently the Malaysian Minister for Agriculture.

Forty-five students took part in the Singapore ceremony, held on 17 March, with MBA graduate David Kon Hang Siow having the prestigious honour of macebearer. David was also named the most outstanding Singaporean graduate for this year, receiving a prize of S\$1000 in recognition of his academic excellence.

A total of about 250 students, university staff, invited guests, family, and friends attended the subsequent dinner at the Westin Stamford.

Some 76 students attended the Malaysian ceremony, which was followed by High Tea for a total crowd of about 500 family members, friends and VIPs.

Chemical Engineering (Honours) graduate Idzham Fauzi Mohd Arif was the macebearer for that event.

Both ceremonies and their subsequent functions were extremely well received, with many of those attending commenting on how impressed they were with the effort the University had gone to.

The Hon Greg Crafter, Chair of the Alumni Association, presided at the Singapore ceremony.

University staff who attended one or both of the ceremonies included Vice-Chancellor Professor Mary O'Kane, Deputy Vice-Chancellor (Education) Professor Penny Boumelha, Executive Director of Student and Staff Services Mr Ian Creagh, Executive Dean of Engineering, Computer & Maths Science and newly-appointed Pro Vice-Chancellor (International) Professor Ian Young, Executive Dean of Science Dr Alastair Blake, Pro Vice-Chancellor (Special



Above: Othman Abdul Hamid celebrates graduating with a Bachelor of Medicine/ Bachelor of Surgery with his gorgeous 11-month-old daughter, Sarah Othman.

Right: Malaysian Minister for Agriculture Datuk Effendi Norwawi delivers his graduation speech. Photos: Ben Osborne.

Projects) Judith Brine and Graduate School of Management Dean Dr Helen Thorne.

The Malaysian ceremony was further highlighted by the attendance of several local media, with a television network covering the event for the evening news.



## Minister's recipe for success

**MALAYSIA'S Minister for Agriculture, Datuk Effendi Norwawi, gave the graduation address at this year's Malaysian graduation ceremony held in Kuala Lumpur.**

A charismatic and engaging speaker, Datuk Norwawi used the address to implore Malaysian graduates to continue to work for the good of Malaysia.

"It's because this country is prosperous and peaceful that your parents are able to have the means to get you the best education from Adelaide University," Datuk Norwawi said.

"This prosperity and peace must not be taken for granted. You must go out there, defend it with all your might and strengthen it for your own children and grandchildren and generations to come.

"This nation will have to count on you and your generation to contribute your part to realise this dream.

"There's an important role for everyone. You must find your role and whatever career

you finally choose, you must see yourself as a nation builder—realising this nation's grand hopes and aspirations together."

According to Datuk Norwawi, three factors will play a large part in determining the success of this year's Malaysian graduates: lady luck, knowledge and skill, character and attitude.

"Lady luck will play a big role—it's a reality," he said. "I believe there is a way to attract lady luck to land on you more.

"Just do lots of good deeds. Every day, every opportunity you have, perform these good deeds. Fortune will find you."

Datuk Norwawi said the knowledge and skills learnt at university were very important, but just as important is the ability to learn new knowledge and skills in the workplace. The real secret of today's success in a competitive world was people's ability to add value to their organisation.

"You must create new value wherever you go," he said.

*Continued Page 11*

## New professors, positions, and appointments

**A NUMBER of senior staff changes are taking place at the University.**

There are three new Professors: in Music, Chemical Engineering and Physics.

[For details of the new Elder Professor of Music, **Charles Bodman Rae**, see the main story on this page.]

**Keith King**, the Head of the Department of Chemical Engineering, has been promoted to Professor.

His research interests cover energy and combustion (including flames and explosions), reaction kinetics and reaction engineering.

He was a senior member of the research team responsible for the development of the Sydney 2000 Olympic torch and community cauldron.

**Bob Vincent** from the Department of Physics & Mathematical Physics has been promoted to Professor.

A leader in the development and application of radars for atmospheric research, his work has applications in meteorology and environmental physics, and links to space physics.

Two new Pro Vice-Chancellor positions have been created at the University. **Professor Ian Young** will be Pro Vice-Chancellor (International), with responsibility for finding new international business and coordination of the University's international agreements.

**Professor Malcolm Gillies** will be Pro Vice-Chancellor (Commercialisation), with a brief to develop new business and education programs of a commercial nature.

Both Professor Young and Professor Gillies will retain their current responsibilities as Executive Deans.



**Professor Penny Boumelha's** title and role will change slightly, becoming the Deputy Vice-Chancellor (Education) and Provost.

The addition of the title Provost is primarily for external use, particularly for the US and Europe where Australian university nomenclature is not always understood.

The Pro Vice-Chancellor (Development), **Dr Norman Ashton**, will retire mid-year and the Pro Vice-Chancellor (Special Projects), **Judith Brine**, will retire at the end of the year.

*—David Ellis*

## Leading British musician takes key music education role

**A SENIOR figure from one of Britain's leading music schools has been appointed Elder Professor of Music at Adelaide University and foundation director of the Elder School of Music.**

Charles Bodman Rae, the Director of Studies at Royal Northern College of Music in Manchester, will take up the appointment later this year. He will play a leading role in the creation of the Elder School of Music out of the merger of the Elder Conservatorium and the Flinders Street School of Music.

Adelaide University's Vice-Chancellor, Professor Mary O'Kane, said she was delighted that Adelaide again had a Professor

of Music. She said Professor Bodman Rae had had an illustrious career as a practical and academic musician.

"I believe strongly in the future of music at Adelaide," Professor O'Kane said.

"Professor Bodman Rae was selected from among more than 30 applicants for the Elder Chair in Music—Australia's first music professorship established in 1886.

"The University looks forward to his increasing involvement in all aspects of the merger of the Elder Conservatorium and the Flinders Street School of Music."

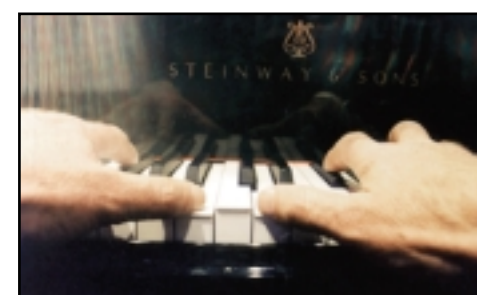
The Head of the Flinders Street School of Music, Mr Anthony Steel, welcomed

the appointment.

"We look forward enormously to working with Professor Bodman Rae closely between now and when the merger takes effect to ensure that the best qualities of the Flinders Street school are fully represented in the new school," he said.

Professor Malcolm Gillies, the Executive Dean of Adelaide University's Faculty of Performing Arts, Law, Architecture, Commerce and Economics, said: "Professor Bodman Rae is a leading researcher of Polish music.

"He has a fine reputation as a composer and pianist and has held several leading



administrative positions in British music colleges. All of these experiences qualify him well for the challenges of being the foundation director of the Elder School of Music."

*—David Washington*



# SCHOLARSHIPS

THEY CAN MAKE A DIFFERENCE

## What we offer

A MYRIAD of scholarships are on offer to local and international students who wish to study at Adelaide University.

Around \$15 million in scholarships in total have been accepted by undergraduate and postgraduate students at the University this year, in virtually all fields of study. Of that, around \$4.4 million has come directly from the University.

The main scholarships for local undergraduate students attract some of the best and brightest students in the State. These include:

**Adelaide Undergraduate Scholarships**—\$10,000 a year for four years and no university or HECS fees, awarded to eight students who are studying for any undergraduate degree other than Medicine or Dentistry.

**The Andy Thomas Scholarship**—\$10,000 a year for four years and no university or HECS fees, awarded to a student studying Mechanical or Mechatronic Engineering.

**The Premier's Scholarships**—[see story below].

Added to this are another 30 students who have each received Adelaide Achievers Scholarships of \$1500. These recognise the excellent achievements of bright students and the contributions they can make to the University.

International students are also drawn to Adelaide University thanks to scholarship packages available. These include:

**Adelaide Scholarship International**—\$10,000 a year for up to four years and payment of full tuition fees. Six scholarships a year available to international students.

**Adelaide Achievers Scholarship International**—payment of full tuition fees, up to 15 scholarships available each year.

Scholarships are also available to students from Sepang Institute of Technology and INTI College in Malaysia who are transferring their studies to Adelaide. These scholarships contribute towards tuition fees for one or two years, depending on the course taken.

Postgraduate scholarships are also on offer, as well as a number of new industry-funded scholarships [see story this page].

For more information about scholarships at Adelaide University, visit the webpage: [www.adelaide.edu.au/GSSO/](http://www.adelaide.edu.au/GSSO/)

## Housing study highlights anxiety

SOME public housing tenants are suffering stress and mental health problems, such as depression and anxiety, because of changes to public housing policy, according to the winner of this year's Don Dunstan Foundation Postgraduate Research Scholarship.

Jadynne Harvey, 22, who is undertaking his PhD work in Adelaide University's departments of Psychology and Geography, said the move away from the "bricks and mortar" approach to public housing is adversely affecting tenants.

His Honours study last year examined the impact of relocation of public tenants, as a result of the Housing Trust's moves to work with the private sector to redevelop large public housing estates as private dwellings.

The study of a northern suburb of Adelaide found that this process has had some profound impacts on the relocated tenants.

"Many tenants have lived in their home for many years," he said. "The house or the home is imbued with all kinds of meaning. The loss of it, for some people, can be quite profoundly life changing. It can be almost the equivalent to the loss of a loved one."

Although tenants are relocated within a five kilometre radius of their previous home, this distance can be isolating for people who rely on public transport. They often lose contact with their family doctor, children have to



From left: Jadynne Harvey with the Hon Mark Brindal MP. Photo: David Washington.

change schools and other support networks are lost.

"Among residents relocated there were very marked results—depression, stress and isolation," he said.

Relocation is one of the impacts of policy changes which have occurred since the 1970s. Mr Harvey said falling investment in public housing by Commonwealth and State governments has led to a move away from providing dedicated public housing, to providing rental relief.

Mr Harvey's PhD will examine these broad changes, including the experiences of public housing tenants who have been moved into

the private rental market.

"It's naïve to believe that the market can adequately cater for the needs of those in distress in our community," he said.

Indeed, it is often those people most in need who have the most difficulty finding willing landlords.

Mr Harvey was presented with the scholarship in March by The Hon Mark Brindal MP, Minister for Employment and Training, Minister for Youth and Minister for Water Resources.

This scholarship is the second to be awarded since the inception of the Don Dunstan Foundation two years ago.

The Postgraduate Research Scholarship provides funding for Mr Harvey to undertake his full-time PhD.

As Mr Brindal noted, Mr Harvey certainly is an outstanding candidate.

He was awarded Young Australian of the Year in South Australia for Community Services in 2000. The award was made in recognition of his active involvement in fundraising for various charities and for his leadership of youth, particularly young intellectually disabled individuals. In 1994, Mr Harvey became a founding member of the Australian Association of Young People in Care as a national committee member.

—David Washington

## Industry shows support through uni scholarships

MAJOR Australian and South Australian companies have provided more than a dozen new scholarships for Adelaide University students this year.

A range of companies across different industries—including Adelaide Brighton, BankWest, Clipsal, Collex, Henry Walker Eltin, Menzies International, Minelab Electronics, Norman Waterhouse Lawyers and Spotless Services—have committed over \$300,000 towards scholarships.

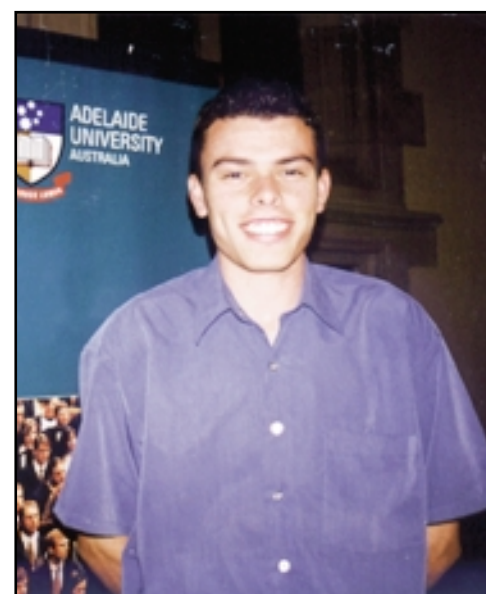
The scholarships range from \$5000 to \$20,000 per annum, and support study at both undergraduate and postgraduate level in

the fields of accounting, engineering, the environment, law and physics.

Clipsal Scholarship winner Brad Tobin said he was excited and grateful to Clipsal for the support.

A student from Kadina Memorial High School, Brad has used his scholarship money "to relocate to Adelaide, pay for rent and accommodation, and buy a computer... all things that are important for me to study here in Adelaide", he said.

Brad is studying for a degree in Computer Systems Engineering and Mathematical & Computer Science.



Clipsal scholarship winner Brad Tobin says his scholarship has made a big difference.

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## Premier's scholars studying for the future

THE Premier's Scholarships are prestigious scholarships offered to top students who are studying in areas of key interest to South Australia's future.

Pictured here (from left) are Rachel Lakos, winner of the Premier's Scholarship in Biological Sciences, and Anna Billington, who received the Premier's Scholarship in Biotechnology.

As part of their scholarships, both Rachel and Anna receive \$10,000 a year for four years. They also have their university and HECS fees waived.

A Premier's Scholarship was also awarded in the field of Information Technology, won by another outstanding student, Taras Diakiv.

Both Rachel and Anna said they were extremely happy about receiving the Premier's scholarships, which help to take the financial worry away from university study.

—David Ellis





# Sinking theory too simple, says researcher

**THE THREAT** of rising sea levels to islands and atolls in the Pacific Ocean has been overstated and oversimplified, according to an Adelaide University coastal expert.

In fact, research conducted recently by Associate Professor Nick Harvey (Department of Geographical & Environmental Studies) shows the sea level along the coasts of Oceanic countries, such as Fiji, is currently much lower than it was 4000 years ago.

This discovery, and others like it, make the issue of sea-level change and its impact on low-lying countries much more complex than originally thought.

"Oceanic coastal environments are under considerable stress. Some atolls are only a few metres above sea level, and in many cases are only tens of metres wide. Because they're surrounded by water, the threat of rising sea levels is real, with global warming expected to exacerbate the problem," Dr Harvey said.

Dr Harvey is among a group of scientists from Australia, Fiji, New Zealand and Samoa involved in international efforts to study sea-level change and coastal management in the Pacific. His specific project includes some of that region's most threatened islands and atolls: Tuvalu, Kiribati (pronounced *Kiribas*) and the Marshall Islands; and also Fiji.

He recently returned from field studies in Fiji and Kiribati, and held a workshop on sea-level change and coastal management on Tarawa, Kiribati. The workshop was reminded of some alarmist media reports in the local press, such as: "Say goodbye to Kiribati, Marshall Islands, and Tuvalu".

The truth is something quite different, Dr Harvey said. "Our preliminary research in Fiji and Kiribati suggests that sea levels have been higher in the past few thousand years."

Coral samples taken by Dr Harvey and Professor Roger McLean (Australian Defence Force Academy, Canberra) show sea levels off the coast of Viti Levu, Fiji were actually 0.8 m (80 cm) higher some 3000 or 4000 years ago.

"In addition to the microatoll data, sediment samples have been obtained from drill cores on two islands in Kiribati. We're still waiting on the results of radiocarbon dating for those samples," he said.

The early results paint a very different picture of the sea-level around the islands and atolls than first thought. While rising water is an ongoing threat, Oceanic land forms have clearly evolved with higher sea levels than they have at present.

Dr Harvey said changes in sea level also occur constantly at a regional level, with levels going up or down depending on the circumstances. The El Nino/La Nina effect, experienced during the 1990s, caused sea-level fluctuations in some areas by up to 50 cms within the space of a year or two, Dr Harvey said.

"Apart from the longer-term geological changes, it is important to keep greenhouse-related predictions of sea-level rise in context with these significant short-term regional variations," he said.

More research is needed to identify the coastal response to short-term changes in sea level, Dr Harvey said. Without such knowledge, he believes it will be near-impossible to develop proper guidelines for coastal management.

Dr Harvey's research in Oceania will continue thanks to a \$150,000 grant awarded to him last year by the Asia-Pacific Network for Global Change Research.

—David Ellis



Dr Nick Harvey walks along a beach at Kiribati, where a concrete wall is all that stands between the sea and the atoll. Photo: Deirdre Hart.

## MEASURING SEA LEVELS

The work required to determine sea-level change is complex. Australia (through AusAID) sponsors an accurate tide gauge monitoring program for the Pacific, including Kiribati. However, tidal records have only been collected for the last nine years—too short for reliable analysis.

By examining structural changes in samples of coral, researchers can see what sea-level changes have occurred and why. Dead coral forms jutting out of the water indicate how much the sea level has fallen over the years. The corals also contain internal growth rings, similar to tree rings, which are just as useful for understanding the history of their growth. And by using carbon dating, researchers can

tell when the changes in sea level took place.

But the sea is not the only thing that changes—land masses also move and shift according to tectonic plate movement and other geological conditions.

"We get a much better understanding of actual sea-level changes by examining changes in the earth, to see whether or not the land itself is rising or falling," Dr Harvey says.

Combining these approaches helps to unravel the evolution of islands and atolls, and gives researchers a much clearer picture of the impact of the sea upon the land, and vice versa. Evidence of recent land/sea movements also provides information about what may happen in the near and longer-term futures.

# Extinction claims a furry friend

From Page 1

"There's no doubt that the decline of mammals and reptiles parallels what is happening to birds," he said.

The work has come at an opportune time. The whole of South Australia is at present being covered by a biodiversity survey, which includes plants, mammals, birds, reptiles and some invertebrates.

"The Department for Environment and Heritage knows of our work, and is keen to incorporate our data into its survey because, while we have been looking for phascogales, we've effectively been sampling all kinds of arboreal [tree-living] mammals," Dr Hornsby said.

Other species have been detected by the sampling methods, including several native species—the yellow-footed antechinus [an even smaller carnivorous marsupial], bush rat and ring-tailed possum, while introduced black rats were also common.

Dr Hornsby's techniques included using "hair tubes", well known to wildlife researchers, in which PVC tubes of a diameter suitable for phascogales are lined with double-sided adhesive tape.

Each tube is baited in its centre and fixed to a tree trunk. Any animal entering the tube leaves hairs attached to the tape, and species can be identified by microscopic examination of a single hair. Dr Hornsby used 900 of these hair tubes in his survey, after trialing them with phascogales at Adelaide Zoo.

He also installed 100 nestboxes at premium sites for phascogales. The nestboxes, designed to suit the animals, were made by ROBIN, a Rotary project which manufactures nestboxes for community groups and researchers.

While the natural extinction of South Australia's phascogales now seems beyond doubt, it may not be permanent.

"Paradoxically, if there were not phascogales



Dr Hornsby inspects a nestbox.

in zoos, we wouldn't even know what they looked like," said Dr Hornsby. "We hope the next stage will be to give serious consideration to reintroducing phascogales into South Australia. That would require breeding colonies," he said.

"In that regard, Adelaide Zoo is an ideal place, taking into account its track record of breeding rare and endangered animals for reintroduction into the wild."

But for that to be effective, the factors that have led to the decline of so many species will need to be reversed.

"A lot of our parks already have extensive fox baiting and control programs," said Dr Hornsby. "Cats are very difficult to control, but it's being looked into. The other aspect is the availability of appropriate habitat.

"We can't grow forests in a short time, but what we can do is augment what we have with the basic requirements of phascogales by putting up nestboxes in the stringy-bark woodlands that we've got. Putting up nestboxes is going to help not only phascogales but all the other arboreal species, particularly birds, which are looking for nesting hollows that aren't there any more."

—Rob Morrison

## WHAT'S THE PROBLEM?

South Australia is already known as the mammalian extinction capital of the world because of the number of native mammals lost in this State.

Some, such as the pig-footed bandicoot, toolache wallaby and hare wallaby are extinct everywhere. Others, like the brush-tailed bettong and bilby, have vanished from the State but still can be found in the wild in other parts of Australia. The loss of these mammals—and now the brush-tailed phascogale—is a legacy of environmental pressures which also threaten the birds of the Adelaide Hills.

So what is the problem?

"It's probably a combination of several factors, including introduced predators such as the fox and cat, and loss of habitat," says Dr Peter Hornsby (Department of Psychology).

Dr Hornsby believes habitat is the key. He's added his voice to those calling for better management of native vegetation.

"Looking around the hills today, one can be led to the false conclusion that there remains a reasonable amount of remnant woodland. The critical feature overlooked is the nature of these remnants," he says.

"When Europeans first arrived in South Australia, our hills were clothed with stringybark forests—well-spaced, massive, tall, straight trees over 30 metres high with bases over two metres in diameter.

"These spectacular, ancient trees had many hollows suitable for nest sites, and a wide, open, understorey. Felling them has created instead a woodland of younger trees. This replacement woodland lacks nesting-hollows, which phascogales and birds need, and it has a dense understorey," he says.

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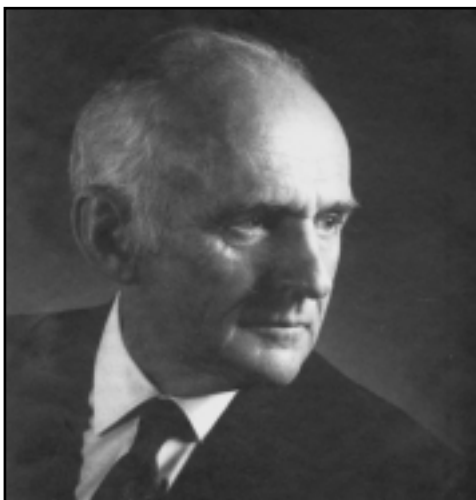
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# OBITUARIES

**Professor Sir Rutherford Ness Robertson  
AC, KCMG, CMG, FAA, FRS, DSc  
1913–2001**



"Bob" Robertson was Professor of Botany at the University of Adelaide from 1962–1969.

In 1930, he went to the University of Sydney, where he studied chemistry and botany. After graduation, a Science Research Scholarship and a Linnean MacLeay Fellowship allowed him to continue research for three years. He won an 1851 Exhibition Scholarship to Cambridge University where he studied ion absorption by plant tissues. During this period he married Mary Rogerson and was awarded a PhD in 1939.

He joined the Botany School of the University of Sydney in 1939 and collaborated with CSIRO scientists to study the storage and handling of fruit, combining basic plant physiology research with practical applications. In 1946, he transferred to CSIRO and negotiated with the Botany Dept to pool resources and established a joint Plant Physiology Unit within that Dept in 1952.

The basic aspect of active transport of charged molecules into plant cells was dominating his thinking, and he explored the connections between respiration and the active transport processes. He was convinced that charge separation across membranes was the manner in which the energy of respiration was stored.

This basic idea has been developed further and has been established as the mechanism of energy conservation in respiration and photosynthesis.<sup>1</sup>

After a period (1959–1962) as a member of the Executive of CSIRO, he returned to his own research as Professor of Botany at Adelaide University. In 1965 he was asked to establish and be part-time Chairman of the Australian Research Grants Committee. He recognised the importance of the success of this committee to Australian science.

He was tempted back to Canberra in 1969 to become Master of University House, pursuing his research by collaborating with A.N.U. scientists and became Director of the Research School of Biological Sciences in 1973. He became President of the Academy of Science in 1970 having been elected a Fellow soon after its formation in 1954.

After his retirement in 1978 he continued as Deputy Chairman of the Australian Science and Technology Council and as Pro-Chancellor of ANU. He also continued his research at the University of Sydney and at CSIRO.

He made lasting contributions to Australian science through his own research, his leadership of other researchers and by the influence he was able to exert within university and government administrations.

Bob Robertson was knighted in 1972 and became a Companion of the Order of Australia in 1980.

In his spare time he played hockey, as a youth, and squash (before breakfast) in his later years. He enjoyed reading, horse riding and painting in water colour. He wrote: "How should I like to be remembered? Perhaps, if it is not too much, as a generous man, who, despite human failings, talked sense and occasionally showed signs of wisdom".

It was a pleasure and an honor to have known him and an absolute privilege to have been a student of such an inspirational and humane scientist. He is survived by his wife Mary and his son, Robert.

—Professor Joseph Wiskich,  
Environmental Biology

**Inara Proske  
1944–2000**



Inara Proske, who died in November last year after a short illness, had been a highly valued member of the academic staff at Adelaide University for nearly 34 years. She will be remembered as a woman of great warmth, generosity, and good humour who was much admired and respected for her dedication to her teaching career.

Inara was born in Latvia and migrated to Australia with her family at the age of five. After study at Unley High School and then Adelaide University, Inara completed her Honours degree in Psychology in 1966. She was immediately hired by the Head of Department as a tutor, whilst undertaking a Master of Arts degree.

She remained working in the Department, with subsequent promotions to Senior Tutor and Lecturer, until her untimely death in middle-age following a respiratory infection.

Her Master of Arts thesis (1973) was entitled "Aspects of cognitive and linguistic development of bilingual children: A study of English-Latvian bilingual school children". During this research, she was supervised by Dr Frank Dalziel, whose primary interest was animal behaviour rather than children's language development, but they remained good friends till the end of his life in 1999.

Inara introduced literally thousands of students

to Psychology, and touched and inspired many lives as a result. Generations of students will remember her as a compassionate, caring person, and a great teacher and mentor whose lectures, tutorials, and research supervision were always sought out.

It was unusual for a married woman to work full-time back in the '60s and '70s, especially if she had children. But Inara found a way to combine her career with family life. In this she displayed the characteristic strength and competence for which she was so admired by other women. She was a trail blazer, and acted as a model for many female students, including many who subsequently entered academic life.

In later years Inara worked collaboratively on various research projects with students and colleagues, and supervised over 50 Honours theses in addition to Masters and doctoral level research. The list of her research interests demonstrates a wide diversity of knowledge and capabilities. She was always one of the first staff members to be approached by Honours students to guide their research theses. Thus Inara honed the research skills of many Australian psychologists, and also of the many Psychology graduates who have ended up working in other fields such as education, health care, public service, or business.

Inara had a well-deserved reputation as one of the best lecturers that the Department of Psychology ever had, and was in addition a highly capable administrator. She taught courses that were interesting, authoritative, and delivered with flair. She was approachable and considerate to students, and their evaluations of Inara's teaching were consistently and highly positive. As well as receiving the written comment "Inara rocks!" which caused her much satisfaction, she was deeply respected and loved by students.

Her friends and colleagues felt a profound shock and sadness at Inara's unexpected and tragic death. We miss her deeply. While we mourn her passing we remember how much of a difference Inara made to the lives of so many colleagues and students through her work.

—Helen Winefield, Amanda LeCouteur, and  
colleagues in the Department of Psychology

## OUTSTANDING ACHIEVERS

RECOGNITION FOR SUCCESS



**Professor Sally Smith** (Department of Soil & Water) has been elected a Fellow of the Australian Academy of

Science. She was one of 16 new members chosen from among Australia's best scientists and technologists. Election to the Fellowship recognises a career that has significantly advanced the world's store of scientific knowledge.

Professor Smith, who is also the Director of the University's Centre for Plant Root Symbioses, was also awarded the prestigious Clarke Medal by the Royal Society of New South Wales. The Medal recognises "distinguished work in the natural sciences" and was awarded to Professor Smith for her "significant contribution to the science of Botany".

Professor Smith's election as an Academy of Science Fellow is a major achievement for a number of reasons. She is the only new Fellow from South Australia, and the only female among the new group. She is now one of only 15 female Fellows out of 332 overall.



The Executive Dean of Agricultural & Natural Resource Sciences, **Professor Malcolm Oades**, has been honoured

at a national award ceremony in Canberra described as the "Oscars for scientists".

The event, Honouring Excellence in Australian Research, highlighted 32 Australian researchers whose work has consistently been of a world-class standard. Professor Oades has published more than 150 papers and been cited more than 3000 times by fellow researchers. The awards were sponsored by ISI, a US-based company which maintains the most comprehensive database of research information in the world.

Four other researchers from South Australia were named in the awards, including **Professor Mathew Vadas**, Head of the Division of Human Immunology at the Institute of Medical and Veterinary Science (IMVS).

Professor Vadas is a graduate of Adelaide University, which also has close research links with the IMVS.

In mathematics news, Adelaide

University's applied mathematicians have played a prominent role at this year's annual professional meeting of the Australian and New Zealand Industrial and Applied Mathematics organisation (ANZIAM).

**Associate Professor Charles Pearce** was awarded the ANZIAM Medal, given for "outstanding service to the profession of Applied Mathematics in Australasia through research achievements and activities enhancing applied or industrial mathematics".

Three of the four awards of this medal have gone to Adelaide applied mathematicians.



**Dr Nigel Bean** was awarded the Michell Medal, awarded for outstanding new career researchers in applied and/or industrial mathematics.

And **Mr Michael Haese** was presented with the Cherry Prize for the best student presentation at the ANZIAM2001 conference.

This near-dominance of the ANZIAM awards by Adelaide researchers continues Adelaide's leading position in applied maths.

## University cricketer wins coveted Bradman medal



"This one's going straight to the pool room."

That was the shout from Adelaide University cricketer Mike Smith (pictured), after he won the 25th Bradman Medal on 21 March at Adelaide Oval.

Smith polled 44 votes to win by an amazing 18, making him the best performer in South Australian grade cricket.

The allrounder paid tribute to the late Sir Donald Bradman as he was presented the award by Sir Donald's son, former Adelaide University Law lecturer

Mr John Bradman.

Mike Smith has been with the University club since the premiership-winning season of 1998/99, where he claimed the David Hookes Medal in the final.

The 27-year-old has also played a handful of matches for South Australia. He intends to finish his Science degree, which he deferred due to the demands of first-class cricket.

Perhaps the award of BSc would be another to go straight to the poolroom.

—Patrick Phuong



# Saline solution a serious threat to wetlands

ON 2 February 1971, an international agreement was created. Known as the Ramsar convention, after the Iranian city where it was adopted, it committed its signatories to the conservation and wise use of wetlands, primarily as habitat for water birds.

Australia is a Ramsar signatory. One of our important wetlands lies around the mouth of the Murray River where, for years, Dr David Paton of the Department of Environmental Biology has been studying the estuarine waters of the Murray, the lakes and the Coorong. "The Coorong is this great lagoonal system like a big appendix off the Murray," said Dr Paton.

About 100 km long, the lagoon is divided in two at Hells Gate. "The southern lagoon is much saltier than the north," he said.

"It's a natural laboratory. The southern lagoon may be two times saltier than seawater in winter, but three times saltier in summer because of evaporation," he said.

"It fills up in late autumn and winter with groundwater and freshwater runoff, so you get a seasonal change in water depth and salinity."

This high salinity produces a biotic system that Dr Paton describes as "really simple." In the estuarine salinities near the Mouth, polychaete worms are prominent in sediments, but they are not found in the higher salinities 30 km further south, and

fewer types of other animals and plants survive there. However, tiny ostracods, insect larvae, hardyhead fish, and the small aquatic plant *Ruppia tuberosa* still abound, and support many of the birds for which the Coorong is famous.

*Ruppia* produces seeds, but more importantly as summer progresses, it also produces turions—starchy food stores, like potatoes. These are important food for some birds. Others that use the southern lagoon depend largely on one species of fish that tolerates the hypermarine waters.

"The hardyhead is a small fish, commonly known as whitebait," said Dr Paton. "It is very important for birds such as hoary headed grebes and fairy terns. The southern lagoon has the biggest population of fairy terns in the country. Hardyheads flourish there because other predatory fish do not tolerate the high salinities."

Although the southern lagoon is a relatively simple system, such systems provide unique mixes of species, and are important for biodiversity.

"If you suddenly changed this system from a high salinity system, the food chains would change, and different types of birds would benefit," said Dr Paton.

And such changes are more than just an academic threat. There are plans to cut drains through to the lagoon in order to release fresh water from areas of the Upper South East.

"It is part of the process to rehabilitate large areas of agricultural land from dryland salinisation," said Dr Paton. "The land has lost its productivity because of the loss of native vegetation. Native plants that were removed were relatively deep-rooted, and they kept the saline water table low. Taking off those deep-rooted plants allowed the saline water to rise to the surface, and we now have salinised and unproductive lands."

Slight loads of salt are enough to affect many pastures, and in many areas surplus freshwater that would normally have been absorbed and transpired by native vegetation, accumulates and floods pastures as well.

The drains are intended to solve this problem by carrying large volumes of this surface water into the Coorong, but this will dilute the hypermarine southern lagoon.

"In five to 10 years the hypermarine southern lagoon will have changed to an estuarine system," said Dr Paton. "How will plants and animals respond? I expect lots of freshwater birds will be using it, but few hypermarine birds, and *Ruppia* gives us a clue to what will happen."

Dr Paton has taken plugs of *Ruppia* from one part of the southern Coorong and placed them at intervals along the lagoon to mimic the salinity changes it will face.

"It does best if placed back where it came from," explained Dr Paton. "In the north lagoon, which mimics



The changing face of the River Murray mouth. Solutions for inland salinity problems may change it even further, to the detriment of the local environment. Photo: Rob Morrison.

what the salinity will be like if the drains go through, it initially grows fantastically but gets swamped by all the other things growing in the less saline water and never reproduces, so it disappears," he said. "The northern Coorong has virtually no *Ruppia tuberosa*, only other species without turions, which don't support birds."

From a number of similar examples, Dr Paton believes that draining the Upper South-East into the southern Coorong is an inadequate solution to the problem of dryland salinisation.

"I'd keep the problem where it is, not transfer it down the chain."

"The real problem is not

salinity but vegetation clearance. We should be challenging whether we should be continuing to clear land.

"The solution is to use much more strategic revegetation to absorb the surplus water before it runs off, and to prevent saline ground water from rising. This would eliminate dryland salinity with a sustainable outcome, instead of transferring the problem to another place where we will continue to destroy natural assets."

Dr Paton's research will feature in a 30-part radio series on the Murray, to be broadcast on 5UV Radio Adelaide in September.

—Rob Morrison

## There's nothing fishy about this tale of discovery

WITH the many problems besetting the River Murray, tales of species decline and extinction are expected. Discovering a new species is not.

"We were doing some survey work at Lake Alexandrina," said Michael Hammer, an honours student in Adelaide University's Department of Environmental Biology.

"A volunteer was helping me out and found what we thought was a local pygmy perch. Later we ran genetic tests to see if it was different from other local populations of pygmy perch, and it turned out to be a totally different species," he said.

Mr Hammer is currently studying the southern pygmy perch (*Nannoperca australis*), a locally endangered species now found only in select spots in the Mount Lofty Ranges. The new species turned out to be a Yarra Pygmy Perch (*Edelia obscura*), apparently far from home.

"As its name suggests, it was originally found in the Yarra, but it's distributed from Melbourne up to Bool Lagoon in South Australia, so it's a fair way from the Murray," said Mr Hammer.

"No-one's ever identified it in the Murray-Darling Basin before. It's definitely a new species for the area, so we're trying to work out if it's a genetically distinct population in the species, or a new species altogether."

That involves preparing tissue samples from different fish and, in a technique known as allozyme electrophoresis, moving the samples through a series of gels. Different fractions separate as visible bands. Those of genetically similar specimens form the same pattern, while genetically dissimilar animals produce patterns that are conspicuously different.

"As far as we know, the other populations of the Yarra Pygmy Perch are all distinct genetically," said Mr Hammer. "But we're looking at that during the next couple of

months. That will help us decide whether this is a truly isolated population, or could perhaps have been released into the region historically. That seems unlikely but, in any case, it is a refugee population of a threatened species," he said.

The Yarra Pygmy Perch is nationally potentially threatened, which means it is still common in certain regions but overall has suffered a large decrease in its range. The discovery of this population has significant implications for the management of the region.

"We need to map its range as a first step," said Mr Hammer. "We need to find out what its habitat requirements are in order to secure that habitat, and also look at forming refuge populations in case of catastrophe or extinction in the wild."

Before the introduction of the barrages near Goolwa, Lake Alexandrina alternated between being a freshwater and an estuarine lake. The barrages now prevent the introduction of seawater to the lake system, a development that has had implications for many aquatic species.

"Traditionally, when the lake was saline, the pygmy perch would have retreated into the fresh water streams or swamps," said Mr Hammer.

"Now the lake is permanently fresh water, the fish seems to have colonised small sections among its reeds, snags and aquatic plants, but we don't really know yet," he said.

"We've just found a few fish at one spot in the lake, so we really need to study it further to find out how endangered it is, and what to do to protect it."

Pygmy perch reach a maximum size of 8 cm (the juvenile was 2 cm) and threats to them are many.

"Introduced *Gambusia*, misguidedly known as mosquito fish, eat the eggs of many native fish and are a threat to the juveniles of this species,"



Above: The Yarra Pygmy Perch, *Edelia obscura*. Right: Honours student Michael Hammer studies a gel to identify fish species.

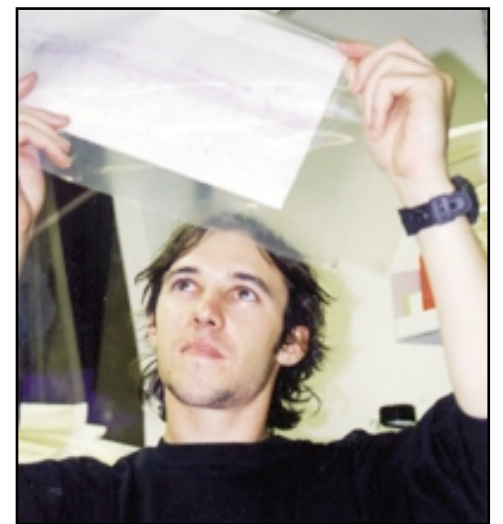
said Mr Hammer. "And being aggressive, they nip at the fins of the adults and compete for their food. These pygmy perch eat small invertebrates, but are themselves eaten by introduced redfin and trout."

The volunteer who discovered the fish, and the survey work which may help to save it, reflect the involvement of a wide range of conservation bodies in this research.

"This has been a collaborative venture between Adelaide University, the Museum, Native Fish Australia (SA) and other community groups," said Mr Hammer. "The project is being funded through the Commonwealth's Murray-Darling 2001 FishRehab Program, a program of the Natural Heritage Trust, and the Mount Lofty Ranges Catchment Program."

Mr Hammer will return to the Lake to try to discover more specimens, and perhaps more populations, of this addition to South Australian wildlife.

"There are really only 10 or 11 local native fish species capable of completing their



lifecycle in fresh water, with about 26 species in the whole Murray-Darling Basin," said Mr Hammer, "so the finding represents a significant boost to local biodiversity."

"It gives you hope that some of the fish that we've lost might still be around. There are three or four fish that are believed to be extinct, but they could still be around—you never know."

—Rob Morrison



## MONDAY 2 APRIL

**1.00pm Clinical & Experimental Pharmacology Seminar:** Pharmacokinetics and Anaesthesia by Dr Richard Upton, (Anaesthesia & Intensive Care). Seminar Room 6, Medical School North.

**1.10pm Student Workshop:** Learn deep relaxation by Mark O'Donoghue. Counselling Centre, Ground Floor, Horace Lamb Building.

**4.00pm Soil and Water Seminar:** Functional molecular ecology - What is it? by Dr Steve Rogers (Molecular Environmental Microbiology, CSIRO Land & Water). Room 301, Prescott Building.

## TUESDAY 3 APRIL

**3.15pm Anthropology Seminar:** Gender in South African Writings by Prof Dorothy Driver (English, University of Cape Town). Seminar Room 722, 7th Floor, Napier Building.

**6.00pm CISME Symposium:** Racism. No Way! (promotion of Living in Harmony Project), with Ms Hanya Stefaniuk, (DETE NSW), Mr Mark Williams (Language & Multiculturalism), and Mr Vincenzo Andreaacchio (Multicultural Education Committee). Council Room, Level 7, Wills Building. Refreshments from 5.30pm.

## WEDNESDAY 4 APRIL

**10.10am Electrical & Electronic Engineering Seminar:** The Application of Huygen's Principle to Radio Wave Propagation by Assoc Prof Chris Coleman (Electrical & Electronic Engineering). Room S112, Engineering South Building.

**12.30pm Clinical Nursing Seminar:** Greek migrants in Australian hospitals: a phenomenological study by Ms Kiriaki Athanasiadis, (Research Assistant, RAH). Room 36, Level 3, Eleanor Harrald Building, RAH.

**1.00pm Centre for Evolutionary Biology & Biodiversity Seminar:** Sex in the snake den: a tale of serpentine lust, rivalry and cross-dressing, by Prof Rick Shine (School of Biological Sciences, University of Sydney). Benham Lecture Theatre, Ground Floor, Benham Building.

**4.00pm Physiology Seminar:** Synergistic interactions between growth factor signalling systems through intracellular protein translocation by Dr Michael Crouch (Director of Research, Gropep Pty Ltd). Seminar Room, Level 5, Medical School South.

## THURSDAY 5 APRIL

**12.10pm Psychology Seminar:** Examining the neurotransmitter basis of intelligence: Acetylcholine, serotonin and dopamine by Dr Con Stough. Departmental Library, Room 526, Hughes Building.

**1.00pm Chemical Pathology Seminar:** Clinical pharmacology of methadone, LAAM and buprenorphine in the treatment of opioid dependence, by Dr J White (Clinical & Experimental Pharmacology). Seminar Room 1, 4th Floor, Reiger Building.

**1.00pm Skindiving Club Seminar:** Island hopping, by Chris Brown (travelled round remote SA islands on tall ship 'Faillie', and photographed the island marine life). Margaret Murray Room, Union.

## COMING EVENTS

2nd April - 4th May

## FRIDAY 6 APRIL

**1.10pm Elder Conservatorium Lunch Hour Concert:** Elder Conservatorium Wind Ensemble, Robert Hower - conductor, includes works by Grainger. Elder Hall. Admission \$3 at the door.

**2.00pm English Seminar:** Crises of Daughterhood in South African Writing by Professor Dorothy Driver (University of Cape Town). Room 618 Napier.

**7.30pm Skindiving Club Cocktail Night:** Rodney Fox "Since being attacked by a Great White Shark in 1963, Rod has dedicated most of his life to the research, observation and preservation of the Great White Shark". Cost \$25. For details email tim.murphy@adelaidescuba.com or tel 8303 7720.

## MONDAY 9 APRIL

**8.00pm Classical Association of SA meeting:** Aesop: the Man behind the fables by Dr Vicky Jennings. Council Room, Level 7, Wills Building.

## WEDNESDAY 11 APRIL

**1.10pm Public Health Seminar:** Why GP's don't return postal questionnaires: A qualitative study of non-responders by Dr N Stocks (General Practice). Seminar Room, 6th Floor, Bice Building, RAH.

**4.00pm Physiology Seminar:** Recognition of innovative teaching & learning by Ms Sharron King (School of Medical Radiation, UniSA). Seminar Room, Level 5, Medical School South.

**5.30pm Biomedical Engineering Seminar:** An Interdisciplinary Approach to Pain Research by A/Prof Peter Svensson (Aalborg University). Hone Lecture Theatre, Ground Floor, Medical School Sth.

## THURSDAY 12 APRIL

**1.00pm Chemical Pathology Seminar:** Aquifer storage and recovery: A water management solution by Mr Russell Martin (Manager, Ground Water Assessment, Dept of Water Resources). Seminar Room 1, 4th Floor, Reiger Building, WCH.

**6.00pm Royal Society of South Australia Meeting:** Hot plants: the physiology and behaviour of heat-producing flowers by Dr Roger Seymour. Society Rooms (adjacent to SA Museum Natural Sciences Building), off Kintore Avenue.

**7.45pm Field Geology Club Lecture:** The Coorong by Prof Chris Vanderbosch. Mawson Lecture Theatre, Mawson Laboratories.

## WEDNESDAY 18 APRIL

**12.30pm Clinical Nursing Seminar:** A randomised controlled trial comparing the efficacy of traditional head lice treatments with the bug-busting method of managing head lice infestation by

Ms Elizabeth Plastow (University of Plymouth, UK). Room 36, Level 3, Eleanor Harrald Building, RAH.

**1.10pm Health Seminar:** Accommodating the Chinese: American Hospitals in China, by Ms Michelle Renshaw (PhD student). Seminar Room, 6th Floor, Bice Building, RAH.

## THURSDAY 19 APRIL

**1.00pm Chemical Pathology Seminar:** In vivo lentiviral gene transfer to the respiratory mouse epithelium, by Maria Linberis (PhD student, WCH) and Update of Cystic Fibrosis airway science by Dr David Parsons (Pulmonary Medicine, WCH). Seminar Room 1, 4th Floor, Reiger Building.

## FRIDAY 20 APRIL

**1.10pm Elder Conservatorium Lunch Hour Concert:** Jeff Alkire - Saxophone, appearing with Boss Trio. Jazz program with new and standard items. Elder Hall. Admission \$3 at the door.

**4.00pm Physiology Seminar:** Physiology in the New Millennium, by Dr Tim Miles (Physiology). Florey Lecture Theatre, Level 1, Med School Nth.

## MONDAY 23 APRIL

**1.10pm Student Workshop:** Learn deep relaxation by Mark O'Donoghue. Counselling Centre, Ground Floor, Horace Lamb Building.

**2.00pm English Seminar:** In her Majesty's Cabinnett: Anne of Denmark's Book Collecting, Literary Patronage, and Learning, by Helen Payne (University of London). Consuming the Exotic Oriental Woman: exploring the ambiguities of female representation and commodification in a Neo-Orientalist Literary Landscape by Sandra Lyne (English). Room 618, Napier Building.

**4.00pm Soil and Water Seminar:** TBA by Prof Hui Jing Li, (Shijiangzhuang Institute of Agricultural Modernization, Chinese Academy of Sciences). Room 301, Prescott Building, Waite Campus.

## TUESDAY 24 APRIL

**3.15pm Anthropology Seminar:** Wittgenstein and Bourdieu on making a rule by Philip Gerrins (Philosophy). Room 722, 7th Floor, Napier Building.

## THURSDAY 26 APRIL

**12.10pm Psychology Seminar:** Posttraumatic Stress Disorder: Effective treatments by Prof McFarlane. Library, Room 526, Hughes Building.

**7.30pm Physics Public Lecture:** Very Elementary Particle Physics by Prof MJG Veltman (Emeritus Prof, University of Michigan, Ann Arbor & Physics Nobel Laureate, 1999). Union Hall.

## FRIDAY 27 APRIL

**1.10pm Elder Conservatorium Lunch Concert:** Keith Crellin - Viola, David Lockett - Piano; Sonatas by Shostakovich & Delius. Elder Hall. \$3 at the door.

**1.10pm Asian Studies Seminar:** The Limits and Irony of American Hegemony in Occupied Japan by Prof Yoneyuki Sugita (Osaka University of Foreign Studies). Room 518, Ligertwood Building.

## MONDAY 30 APRIL

**1.10pm Geographical & Environmental Studies Seminar:** Water Quality in the River Thames (UK): To clean up or give up? by Dr B Goldsmith (Uni College London). Rm104, Environ Studies Bldg.

**1.10pm Student Workshop:** Learn deep relaxation by Mark O'Donoghue. Counselling Centre, Ground Floor, Horace Lamb Building.

**2.00pm English Seminar:** W.A. Cawthorne's The Kangaroo Islanders: a story of South Australia before colonization by Rick Hosking (Flinders University). White Already to Harvest: South Australian Women Missionaries in India by Margaret allen (Social Inquiry). Napier Room 618.

**4.00pm Soil and Water Seminar:** Get Cracking! The interpretation of shrinkage behaviour in clay soils by Dr Cameron Grant (Soil & Water, UofA). Room 301, Prescott Building, Waite Campus.

## WEDNESDAY 2 MAY

**12.30pm Clinical Nursing Seminar:** Development of nurse leadership in South Australia by Dr Andrea Averis (Clinical Teaching & Research, RAH). Room 36, Level 3, Eleanor Harrald Building, RAH.

**1.10pm Health Seminar:** Coping in the community after hospital discharge by John Moss (Public Health), Dr K Grimmer & Ms J Falco (UniSA). Seminar Room, 6th Floor, Bice Building, RAH.

**4.00pm Physiology Seminar:** Vitamin D: regulation of synthesis and molecular action, by Assoc Prof Brian May (Molecular Biosciences). Seminar Room, Level 5, Medical School South..

**4.00pm CSIRO Land & Water Seminar:** GIS: More than just mapping! by Jane Gillooly. Waite Auditorium, Plant Research Centre, Waite Campus. Afternoon tea served at 3.45 pm.

## THURSDAY 3 MAY

**12.10pm Psychology Seminar:** Randomised controlled clinical trials for cancer patients by Prof Ian Olver (Director of Cancer Centre, RAH). Departmental Library, Room 526, Hughes Building.

## FRIDAY 4 MAY

**1.10pm Elder Conservatorium Concert:** Macquarie Trio (foremost piano trio). Trio Op. 18a by Busoni, Trio No.2 in E minor Op. 67 by Shostakovich. Elder Hall. \$3 at the door.

**4.00pm Obstetrics & Gynaecology Seminar:** Matrix glycosaminoglycans in health and disease by Dr S Byers (Lysosomal Diseases Research Unit). Seminar Room, 6th Floor, Medical School, North.

## Medical anthropology course

18 - 29 June 2001

The department of anthropology at Adelaide University will be hosting a two-week intensive course in medical anthropology as part of the university's winter school. The course offers an introduction to theories, methodologies, practices and literature of medical anthropology. The teaching team includes four experienced medical ethnographers (Megan Warin, Debbi Long, Damon Parker & Rod Lucas.) whose research projects have included work on schizophrenia, anorexia, surgery, cranio-facial reconstructions and birthing. Guest speakers from a range of medical, government and academic backgrounds will be drawing on their wealth of experience to illustrate key theoretical concepts.

The format of the sessions will vary between lectures, workshops, panel discussions, hypotheticals and group discussions. There is a strong emphasis on student participation, hands on learning and integration of theory with practice. The course is suitable for health care workers interested in or currently undertaking qualitative research; health care professionals working within diverse cultural frameworks, social scientists interested in or currently undertaking research in medical environments and students working towards a higher degree in anthropology/public health or associated disciplines.

Enrolments close 21 May. Further information can be obtained from Colleen Solly, Anthropology, tel (08) 8303 5730, fax (08) 8303 5733 or email <colleen.solly@adelaide.edu.au>.

## Have a cuppa for cancer research

The Anti-Cancer Foundation of South Australia invites you to get together with friends, colleagues and family to share a cuppa for cancer research for this year's Australia's Biggest Morning Tea on Thursday 24 May 2001.

Simply register and you will be provided with a free host kit containing posters, donation boxes and hints on how to have a successful morning tea.

You can hold your morning tea anywhere, anytime during May. Funds raised go to cancer research, support programs for people with cancer and their families, education and prevention programs.

To register, contact the hotline on 1300 65 65 85 or visit <www.biggestmorningtea.com.au>.

## Fisher Lecture 2001

The Joseph Fisher lecture is devoted to key policy issues in the international economy and is one of the most visible public lectures in economics in Australia.

Held on an approximately biennial basis since 1904, the 48th lecture will be delivered at Adelaide University on 30 April 2001.

The speaker is Emeritus Professor Peter Karmel AC, CBE, Chair of the Board of the Institute of Arts at the Australian National University.

2001 represents the centenary of teaching in economics at Adelaide University, and in commemoration of this anniversary, the Centre for International Economic Studies is publishing the collected essays from 1904 to 2001. This volume will be launched at the 2001 lecture.

Lecture Theatre Napier 102, Adelaide University, 5.30pm, Monday 30 April. Cost: free.

## Missed the deadline?

For all the latests news see the online bulletin boards at <<http://online.adelaide.edu.au>> available to staff and students of the University.



# GENERAL NOTICES

## Situations Vacant

For information about vacant positions in the University, please refer to the University's Human Resources web page at: <<http://www.adelaide.edu.au/HR/newpos/advpos.htm>>.

Please note that advertising paperwork must reach Human Resources by 5pm each Friday, for publication in press on the Saturday of the following week (or appropriate date thereafter).

For further information on advertising University vacancies, please contact Human Resources on ext 35666.

## Call for applications for promotion to Level D

Staff and titleholders wishing to apply for promotion to Associate Professor Level D (and equivalent) are now invited to submit their applications.

Applicants should refer to the revised Policy and Guidelines, and the appropriate Position Classification Standards. A promotions toolkit applicable to the submission of applications has been developed and available for viewing at the following Web address: <<http://www.adelaide.edu.au/HR/policies/promtn/acapromntitbox.htm>>

Applications should be made on the approved application form.

Applications from staff members (eighteen copies) must be submitted to the General Manager, Human Resources, by 15 May 2001.

Absolutely no supplementary information will be accepted from applicants after the closing date for applications, unless requested by the University.

Please note that applicants are responsible for contacting their own referees and forwarding them their application, the appropriate position classification standard and the form letter requesting that the report be sent to the General Manager, Human Resources by 30 June 2001.

The Policy, Guidelines and the toolkit are available on the Web at: <<http://www.adelaide.edu.au/HR/policies/promtn/acapromtn.htm>>

Adjunct, Affiliate and Clinical Titleholders should refer to the separate guidelines applicable to titleholders also on the Web at: <http://www.adelaide.edu.au/HR/policies/promtn/acapromtitol.htm>

It is envisaged that applications for Professor Level E will be called on 30 April 2001 and for promotions to Lecturer B and C on 31 May 2001.

STEVE DAYSH  
General Manager  
Human Resources

## Volunteers needed to help adult migrants learn English

Overseas qualified migrants across all professions are looking for mentors.

Free training available.

Telephone: (08) 8226 6866.

## Women's Professional Development Network

The WPDN is a development initiative for all women general staff of the University of Adelaide.

The WPDN runs a variety of activities. For more information and details on how to join our listserver, visit our web site at: <<http://www.adelaide.edu.au/wpdn>>.

### COMING EVENTS

- Social breakfast on Tuesday 10 April. Join your colleagues at 8.00am at Café Purple (formerly "Off the Terrace").

## Scholarships

For details of scholarships currently on offer visit the web site: <<http://www.adelaide.edu.au/GSSO/>>.



## Counselling Centre

Semester 1

### WORKSHOPS

- Learn Deep Relaxation
- Meeting The Demands of University Life - A Workshop For First Years
- Developing a Lifestyle That Reduces Stress & Worry
- Time Management
- Confident Tutorial & Seminar Presentations
- Weight Winner: A Mind/Body Approach to Weight Loss
- To Sleep, Perchance To Dream
- Surviving a PhD

LUNCH TIMES - FREE. Enquiries or bookings call 8303 5663,

**DAILY DROP IN SERVICE:** 1.00 - 2.30 pm. Brief consultations only. No appointment required

**COUNSELLING BY TELEPHONE OR APPOINTMENT IS ALSO AVAILABLE**

Ground Floor, Horace Lamb Building, North Terrace Campus, tel: 8303 5663 or visit our website at: <[www.adelaide.edu.au/counselling\\_centre](http://www.adelaide.edu.au/counselling_centre)>.

## Student Evaluation of Teaching

The Advisory Centre for University Education (ACUE) provides a service to all University teaching staff who wish to evaluate their teaching. This service is known as Student Evaluation of Teaching (SET). Staff wishing to use SET for the first time should call the Evaluation Service Office, ext 33496/33023 or visit our web site at: <[http://www.acue.adelaide.edu.au/acue/fs\\_services.html](http://www.acue.adelaide.edu.au/acue/fs_services.html)>, for a copy of the package.

The package contains a User Manual, appropriate evaluation request forms, and some information concerning applications for promotion and tenure.

The service is generally free of charge and is available to all teaching staff of the University. However, it is ACUE policy that all requests are placed in a queue determined strictly by date of receipt. Requests which do not allow sufficient lead time may not be processed. The minimum requirement is 4 weeks prior to the planned evaluation. We recognise that occasionally there will be circumstances where a staff member will need to request an evaluation service but cannot give the required minimum notice. In these cases a service will be provided within five working days and a priority fee of \$75 charged.

## Human Resources: A closer client focus

Following a review of client needs, the Employee Services section of the Human Resources branch has been restructured in order to meet the following service objectives:

- to provide a closer alignment between the business needs of Faculties/Divisions and the delivery of professional HR consultancy services
- to provide a more strategic focus and increased ability to give HR advice which supports senior management's strategic decision making.

As part of this strategy the Employee Services section will now consist of three teams which will work in partnership with their Faculties/Divisions to provide professional HR support and advice with an increasing focus on Faculty HR planning.

### TEAM 1: Responsible for Faculties/Divisions of: Science; Agricultural & Natural Resource Sciences; Finance & Infrastructure

HR Manager	Lee Jones	34643
HR Consultant	Charles Mooney	35708
Senior HR Officer	Gail Dubois	35790
HR Officer	Julie Raeck	35177

### TEAM 1: Responsible for Faculties/Divisions of: Health Science; Engineering, Computer & Mathematical Sciences; Office of the VC & DVCs; SATAC

HR Manager	Kathie Hurst	34520
HR Consultant	Marissa Panazzolo	33078
Senior HR Officer	Melanie Pearson	35270
Senior HR Officer	Cathy New	35768
HR Officer	Ann-Marie Wendland	35778

### TEAM 3: Responsible for Faculties/Divisions of: Humanities & Social Sciences; PALACE; Student & Staff Services; Anti-Cancer

HR Manager	Jane Coward	34492
HR Consultant	Jacqui Stockley	35087
Senior HR Officer	Michelle Radford	35255
HR Officer	Mandi Simpson	35766
HR Officer	Linda Lambie	33809

The three team structure will commence from 2 April 2001. Contact the HR Manager of your Employee Services Team if you have further queries.

## RESEARCH BRANCH: SPECIAL NOTICES

### ARC Linkage - Projects [APAI only]

Prospective applicants to this scheme, for which the internal closing date is Thursday 12 April, are reminded that this is solely for applications which seek an APAI stipend only (i.e. \$22,545 p.a.). If you are seeking any other project costs as well as an APAI stipend you must have submitted your application by the normal closing date of Thursday 22 March.

### ARC Linkage - Infrastructure grants for 2002

Intending applicants for funding under the Linkage-Infrastructure scheme (formerly the Research Infrastructure - Equipment and Facilities [RIEF] scheme) in 2002 are required to submit a draft application by Thursday 19 April for initial consideration at a meeting of the Deputy Vice-Chancellors (Research) of the three South Australian universities at which the institutional contributions to be allocated to each proposal will be decided. The draft must include the completed application form, including the budget page and the section outlining the (proposed) contributions of the collaborating institutions, and (if full supporting documentation is not available) at least a one-page outline of the proposal identifying the research activities to be supported, the need and level of the demand for the equipment and the availability of comparable infrastructure elsewhere in Australia. Prior to submitting this draft Chief Investigators will need to have negotiated cash and in-kind contributions from their Departments/Faculties and their collaborators in the other institutions involved. At least 25% of the total cost of the equipment/facility must be contributed from non-ARC sources.

The application form and guidelines and an internal information sheet are available from the Research Branch web site.

The main objective of this program is to fund relatively large scale initiatives (in excess of \$100,000) to develop research infrastructure on a collaborative basis among groups of institutions, across the higher education system as a whole, and with organisations outside the system. Approximately \$24 million will be available through the program in 2002. Funding is for one year only.

### ARC Federation Fellowships

This new ARC program was announced on 20 March and is designed to attract and retain outstanding researchers in Australia. By providing an internationally competitive salary the Federation Fellowships will support and encourage Australian researchers to stay in, or return to, Australia to conduct research of significant national, economic, environmental and social benefit. Federation Fellows will be expected to make a major contribution to the Australian research effort and national innovation system.

Up to 25 Fellowships will be available in 2002 with a salary of \$225,000 per year for a standard tenure of five years, of which up to two years in total may be spent overseas.

Applicants must be distinguished researchers who are at the forefront of international research and who are either:

- \* Australia-based Australian researchers who have a research record of highest international standing; or
- \* Expatriate Australian researchers, with research records of high international standing, who wish to return to pursue research in Australia; or
- \* Extremely high profile non-Australian researchers who wish to pursue research within Australia which would provide major benefit to Australia [up to five of the Fellowships may be awarded to researchers who are not Australian citizens or permanent residents].

The Fellowships are available in any discipline but do not support clinical medical and dental research and training or public health research and training.

The Administering Institution (an Australian higher education institution or other Australian research organization) will be required to guarantee support in cash and/or in kind which must at least match the financial support to be provided in salary by the Commonwealth. The institution may secure some of that support from State Government, industry or other sources.

Applications will close in the Research Branch on Friday 8 June 2001. However, it will be important that the Research Branch is made aware of potential applications through the relevant Faculty as soon as possible. It is particularly important that the Branch is in a position to keep the Deputy Vice-Chancellor (Research) informed of any applications which might involve State Government support.

The Guidelines, Instructions for Applicants and Application Form are available on the Research Branch website at <<http://www.adelaide.edu.au/RB/electronic.html>>.

### FUNDING OPPORTUNITIES

Remember to check the Research Branch website <<http://www.adelaide.edu.au/RB/fund.html>> regularly for up-to-date information about current research funding opportunities.

## Feeling hungry?

Mara Danese in the Vice-Chancellor's Office has negotiated a deal with Executive Sandwiches, in the basement of David Jones (food area) off North Terrace.

Adelaide University staff can purchase rolls from Executive Sandwiches at the discount price of \$4.50, with one meat and up to four salad combinations. You will need to show your staff card when ordering.

Orders can also be placed via phone (8227 0149) or fax (8227 0148).



# All eyes on Andy's spacewalk

IT'S not every day that an Adelaide University graduate gets to walk in space. So the *Adelaidean* is paying tribute to NASA astronaut Dr Andrew Thomas, who became the first Australian—and first Adelaide Uni graduate—to perform that most incredible feat.

Born and raised in Adelaide, Andy Thomas completed his Bachelor of Engineering degree with First Class Honours at Adelaide University in 1973, and went on to complete his PhD in Mechanical Engineering in 1978.

After a career as an aeronautical engineer in the United States, Dr Thomas was selected by NASA to join the astronaut corps.

His first Space Shuttle mission was in 1996 aboard the *USS Endeavour*, and again aboard the same shuttle in 1998 as he made his way to the Mir space station, where he spent 140 days orbiting the Earth with Russian cosmonauts.

Dr Thomas was awarded Adelaide University's Distinguished Alumni Award in 1996 in recognition of his "unique pioneering role as an astronaut and for his inspiring of our school children in the engineering sciences".

His most recent space mission—this time aboard the *USS Discovery*—took Dr Thomas all the way to the International Space Station. Dr Thomas took with him a balaclava worn by Antarctic explorer Sir Douglas Mawson, a piece of wood from Mawson's hut, and a slide rule used by Mawson during one of his Antarctic expeditions.

The balaclava was borrowed from the Mawson collection housed at Adelaide University's Waite Campus.

This pictorial tribute to Andy Thomas's most recent space mission was put together using images from NASA's Human Spaceflight gallery: <<http://spaceflight.nasa.gov/>>.



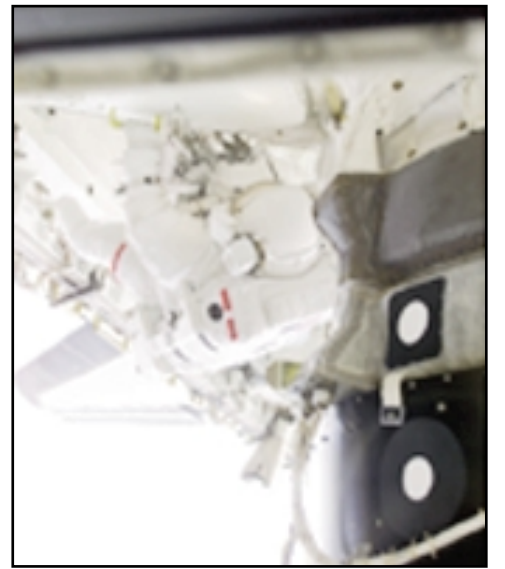
Dr Andy Thomas (top right) is pictured here with USS Discovery crew mates James Kelly, James Wetherbee and Paul Richards, with an image of the International Space Station.



Space Shuttle Discovery blasts off at dawn from the Kennedy Space Center.



Dr Thomas uses a laser ranging device on board the space shuttle. It's an instrument regularly called on to help rendezvous with the International Space Station.



Spacewalk—Dr Andy Thomas steps out into Discovery's cargo bay, becoming the first Australian to walk in space.

## Space party

**Yuri's Night World Space Party, Thursday 12 April, 8-12pm, The Stag Hotel, Rundle St, Adelaide.**

Yuri's Night is a global celebration of the 40th anniversary of Yuri Gagarin's historic flight into space. It is also the 20th anniversary of the first NASA Space Shuttle launch, and a chance to recognise and celebrate all that mankind has achieved with regard to space travel.

Yuri's Night parties are being organised all over the world, and Adelaide University students Kimberley Clayfield (Mechanical Engineering) and Samantha Carter (Physics) are organising a party here in Adelaide.

The public event will have no door charge. Find out more about Yuri's Night at: <[www.yurisnight.net](http://www.yurisnight.net)>.

## Are you mad? Do you want to be a scientist?!



**THE SCIENTIST** comes under the spotlight during Adelaide University's main event for National Science Week in May.

On 8 May, three of South Australia's leading scientists and scientific communicators will present a free public lecture about the complex makeup of a scientist.

Science journalist **Dr Rob Morrison** will open with an entertaining examination of what scientists do—how hypothesis testing works, how scientists collect information, and how they think about issues. Do scientists really make breakthroughs? Why are most discoveries small, and why does science take so long?

Environmental biologist **Dr Chris Daniels** will discuss scientists as people, using movie images to demonstrate the vast array of depictions of the personality types of scientists. He will highlight the essential elements in the make up of a scientific personality and the scientific way of life.

Why do we so often distrust scientists (are they really out to destroy the world?). Do you have to be mad, eccentric or have bad hair to be a scientist? How can you spot a "pretend" scientist?

Genetics expert **Professor Peter Rathjen** will discuss the role of the scientist at the cutting edge of technology and why scientists are so important for the economic, social and environmental development of western nations. He will grapple with the issues and role of scientists in society, especially with regard to business and technological development. Why do scientists make such poor business people? Should they be about making money? Are they responsible for the unethical use of their discoveries?

**Are you MAD? Do you WANT to become a scientist?**

Where: Union Hall, Adelaide University. When: 7pm, Tuesday 8 May. Cost: Free

## Waite and Roseworthy poised for science week

**THIS** year's National Science Week in May focuses on Biodiversity. Adelaide University's Waite and Roseworthy campuses are both hosting events that celebrate this aspect of Australian science and technology.

'Exploring Biodiversity' is one of the themes, with events ideal for school children held at the Waite Conservation Reserve and the Waite Arboretum. Booking for both events by 30 April are essential.

Exploring Biodiversity at the Waite Conservation Reserve—a two-hour walk, by appointment, during 6-11 May. The walk through the Reserve offers a rare opportunity to be guided through its steep and beautiful terrain.

Topics highlighted include the biodiversity of the reserve, introduced and native flora and fauna, management techniques and ways in which the reserve has been used in scientific research. The free tour is ideal for year 8-12 students considering a career in biological sciences.

Exploring Biodiversity at the Waite Arboretum—also by appointment during 6-11 May. See the enormous variety of trees and animals that make this park their home. Children are encouraged to collect fallen bark, leaves and fruit samples to take back to study at school. The free tour is ideal for students in grades 2-7.

To make a booking for either of these events, or for more information, phone Jennifer Gardner on 8303 7405, or email: [jennifer.gardner@adelaide.edu.au](mailto:jennifer.gardner@adelaide.edu.au).

National Science Week also features a series brought back by popular demand. 'Science

for the Senses' at the Waite Campus includes Plant Power and Six-legged Science, as well as scientists from the South Australian Research and Development Institute (SARDI).

Plant Power (8 May) gives an insight into plant genetics, the world of weeds and how scientists solve the mysteries of what makes a plant the way it is. Activities include DNA extraction from plants and learning how isolating a gene can help us discover the reason for a plant's personal traits. A look at evolution in action delves into how plants develop herbicide resistance.

Six-legged Science (9 May) looks at insects. Students will learn about the biodiversity and peculiarities of these creatures by taking part in mini-projects that dig into their fascinating biology, ecology and behaviour.

SARDI Science (10 May) involves top scientists in the lab with students, who will get the inside story on DNA techniques and other cutting edge technology that help farmers and horticulturalists fight pests and diseases.

Dead or Alive and does it matter anyway? (11 May) shows that soil is not just dirt, but a way of life. They will see the bugs and beasts in our soil in action.

'Science for the Senses' makes its way to Roseworthy too! The Roseworthy event is called Follow your food from the farm to the fork (9 May), involving top technology in satellite imagery, research for improved animal husbandry and scientific discoveries.

Again, bookings for this series are essential. Phone 8303 7497 or 8303 7425.

—Patrick Phuong



# Careers just a small step away for students

THOUSANDS of South Australian university students have attended a two-day Careers Fair at Adelaide University, where they learnt all about careers available to graduates and how to get them.

More than 30 major local and national employers took part in the Adelaide University Careers Fair, held at Bonython Hall in March.

The event gave university students the chance to make the crucial first contact with prospective employers who are recruiting graduates in their field of study.

"It's an excellent opportunity for students to learn more about companies and various government agencies, and what these employers are looking for in graduates," said the University's Careers Service Manager, Mr Brenton Schulze.

"Students very rarely have the luxury of having so many potential employers in the same spot at the same time. It's never too early to start planning ahead for your life after university," he said.

The Careers Fair was sponsored by the Institute of Chartered Accountants.

—David Ellis



Kankana McPherson from the Office of Industry Liaison (Thebarton Campus) explains to a student the options available to graduates.



Careers Service Manager Mr Brenton Schulze: "So many potential employers in the same spot at the same time."



"Sorry mate, it's just for show"—the Lion Nathan stand took on the role of the "pub with no beer".

## Public lecture illustrates craze for Jane Austen on the silver screen



ARCHSS and the Centre for British Studies present:

"Reel History and the Craze for Filming Jane Austen"

by Professor Nicholas Rogers (History, York University, Canada)

Monday 2 April at 4pm

Napier 102 Lecture Theatre

ALL WELCOME



in non-Canadian history: "Crowds, Culture and Politics in Georgian Britain".

### About ARCHSS

The Adelaide Research Centre for Humanities and Social Sciences (ARCHSS) is a gathering point for research within the Faculty of Humanities & Social Sciences.

ARCHSS organises conferences, seminars, and presentations by visiting scholars and research fellows, and publicises the research activities of

centres and departments in the Faculty.

In particular, ARCHSS fosters interdisciplinary and collaborative research in the priority areas identified by the Faculty: Aboriginal and Australian Studies, Asian Studies, Cultural and Media Studies, Environmentalism, Gender Studies, Globalisation, and Social Justice.

These priorities reflect a series of critical areas facing Humanities & Social Science research in Australia. They engage both with theoretical debates at the forefront of research, and with issues of immediate concern to the Australian community at large. They are crucial to Australia's place in the world.

ARCHSS is a member of the Australian branch of the Consortium of Humanities Centres and Institutes, an international organisation with its administrative base in the United States.

### Forthcoming lectures include:

Professor Dick Geary: 'Brazilian Slaves and European Workers: Labour History in a Global Age'. Friday 27 April at 4pm.

For more information, phone 8303 4817 or visit the ARCHSS website: <<http://arts.adelaide.edu.au/ARCHSS/>>.

## Recipe for success

From Page 3

"Organisations today handsomely reward, recognise and value creators, so in your workplace keep a keen eye on how you can initiate improvements—how things can be done better, quicker, smarter and cheaper.

"Try to bring a fresh new approach to doing things, and remember: there's nothing that cannot be improved."

The third factor of character and attitude is possibly the most important one, Datuk Norwawi said.

Organisations look for qualities that will make you winners, such as being resourceful, full of energy and enthusiasm, ever ready to assume responsibility, honouring commitments, being full of ideas and demonstrating personal initiatives.

But above all of those things, it is most important to have excellent human relationship skills.

"Success is about your ability to marshal resources and support from others—this is the product of excellent human relationship skills," he said.

"It's about a personality that is warm, humble, considerate of others' needs and feelings, the attitude to want others to win too, and excellent communication skills."

All of these skills can be learnt over time, but character and attitude is most of all about graduates' personal values.

"It's your own sense of personal dignity, self-esteem, your principles, your honesty, your integrity, your sense of fairness and justice," he said.

"You'll all have your own cars and homes, and you'll have to learn about their maintenance.

"But believe me, the most important maintenance you need to do very regularly is your personal values. Check to see they are always tip-top and are serving you well."

—Ben Osborne



# Two eyes in business are better than one

MBA STUDENTS from Adelaide University have won two awards at the Asia-Pacific round of a global competition, Mootcorp.

Described as the "Super Bowl of World Business Plan Competitions", Mootcorp was created by the University of Texas in 1983 for MBA (Master of Business Administration) students to simulate the real-world process of raising venture capital.

As part of the competition, MBAs from leading business schools present a business plan on behalf of a real client. That business plan is judged along with the quality of the students' presentation and ability to field questions from the judging panel.

The team from Adelaide was one of 16 from universities around Australia and overseas which travelled to Queensland University of Technology in March for the event.

Adelaide's team comprised four MBA students from the Graduate School of Management—Conor McKenna, Remco Marcelis, David Mitchell and Paul Williamson—whose business idea is Twoeyes Ventures.

Twoeyes Ventures is already beyond the planning stage, with its Adelaide office opening last year. A start-up company itself, Twoeyes works with other start-ups to provide them with early stage funding and critical management skills needed to reduce the risk of failure in young companies and prepare them for major fundraising.

At Mootcorp, the team received the prize for best written business plan. One of the Adelaide members also won the prestigious Technology Venture Partners Entrepreneur-in-Residence Award.

"The high level of skills shown by all the teams demonstrates the benefit of MBA programs in developing the strategic management skills and encouraging the entrepreneurial attitude necessary for success

in today's global marketplace," said the CEO of Twoeyes, Paul Williamson.

David Mitchell, the team's Investments Venture Partner, was the winner of the four-week placement with Technology Venture Partners Pty Ltd, a leading Australian venture capital manager. The key characteristics the judges looked for in winning this opportunity were "an entrepreneurial attitude, overall ability and strategic business acumen". Ironically, the rest of the Twoeyes team were also selected for final interviews, with Mr Mitchell needing to beat his team mates to win the award.

While not winning the overall competition, the Twoeyes team received great feedback from the venture capitalists on the judging panel. They saw the Twoeyes concept as a very necessary one and emphasised the need to establish a South Australian innovation investment fund, a plan that the Twoeyes team is already in the process of implementing.

Over the last few months, Twoeyes has established alliances with leading international services companies Deloitte Touche Tohmatsu, Norman Waterhouse Lawyers and Morgan & Banks. With the support of the South Australian Government, Twoeyes is raising a \$10-million investment fund.

"It's been a great experience," said Mr Williamson, who gratefully acknowledged the assistance of the Federal Department of Industry, Science and Resources, which provided a grant of \$10,000 to help meet the cost of participating.

"We're already seeing a good response to our activities in the innovation community here. With the positive support we received and the opportunity to bring venture capital skills to Adelaide, we're looking forward to growing more successful South Australian companies, doing our part to reduce the brain drain out of the State," Mr Williamson said.



Back row: Remco Marcelis (left) and Conor McKenna. Front row: Paul Williamson (left) and David Mitchell.

## DiaMond shines for Adelaide researchers

MATHEMATICS researchers at Adelaide University have been awarded a \$900,000 contract to help Telstra optimise its data communications, especially those relating to the internet.

As part of the contract, the University's Teletraffic Research Centre (TRC) will help in the design and building of Telstra's "new generation", internet-based network.

The TRC is skilled in telecommunications research, particularly in the software and networks that underpin phone, fax and internet-based services.

A software program called 'DiaMond' is being developed by the TRC and Telstra to test and analyse the strengths and weaknesses of the network, and predict future infrastructure requirements.

"Our aim is to get the best out of the network," said Telstra Research Laboratories Director Dr Paul Kirton.

"Exponential growth of internet services demands that the supporting infrastructure be designed to keep up. This research will help ensure that our telecommunications infrastructure is internet-ready and is high quality, robust and scalable.

"A primary focus of this research will be in planning the network's setup in order to manage the huge amounts of data traffic. In the current environment, where data traffic is dominating growth, this is critical work."

The Director of the Teletraffic Research Centre, Associate Professor Peter Taylor (Department of Applied Mathematics), said the Telstra contract provided University staff and students with



Dr Paul Kirton from Telstra and Dr Peter Taylor from the Teletraffic Research Centre at the contract signing ceremony. Photo: David Ellis.

real challenges that would lead to practical, cutting-edge experience.

"An area of IT skills shortage in Australia is Internet Protocol expertise. These skills, and other real-world skills, are desperately needed for the future success of Australia's telecommunications services," Dr Taylor said.

"Thanks to research projects such as this, those skills are being developed at the TRC."

The three-year contract from Telstra continues a 16-year relationship between the telecommunications company and the TRC.

A ceremony to celebrate the signing of the latest contract was attended by all of the TRC's directors, past and present—Professor Les Berry (founder), Dr Ronnie Potter, Associate Professor Bill Henderson, and Associate Professor Peter Taylor.

—David Ellis

## The shape, and face, of things to come...

From Page 1

"By changing the size of the body, you also have to change the shape of the body. Increase in the length of muscles and bones requires a disproportionate increase in the bone thickness.

"So taller people will have to have more massive bones, and disproportionately more muscle to move these unusually thick bones around."

### DNA AND THE FUTURE

The recent highly-publicised mapping of the human genome only further highlights just how much we still need to learn about the human body, Professor Henneberg said.

"We still only know the sequence of the four basic building blocks of DNA in a single human genome—so there's no variability being taken into account—and for the most part have no idea what various parts of this sequence do," he said.

"It is like having in front of us a single book printed in a foreign language of which we only know about 20% of the words. No-one in their right mind would claim they understand the entire literature published in this language, nor would they know what this particular book is about.

"Eventually we will be able to manipulate all our genes to our advantage, but we need to do much more work before it will be possible."

—Ben Osborne



# Wine students show they're the pick of the bunch

**THE GRAPES** are in, and students are hard at work testing and tasting in Adelaide University's Wine Science Laboratory on the Waite Campus.

Vintage 2001 has thrown students and staff a few challenges—the extended hot weather proving challenging for the white wines in particular.

Dr Graham Jones, Senior Lecturer from the Department of Horticulture, Viticulture and Oenology (HVO), said the weather has given students a taste of winemaking in a situation when the grapes and deadlines were working against each other instead of in harmony.

"Hot weather meant the students had to face problems with, and be aware of, situations in which the grapes are at analytical maturity but not fruit maturity," Dr Jones explained.

"That meant the flavour the students wanted wasn't there and they had to leave the grapes on the vines much longer."

Meanwhile, like winemakers everywhere, the students also had to hope it neither rained nor turned cold while their grapes were still at the mercy of the elements.

Winemaking students at Waite work in teams of four, and each team is provided with half a tonne each of red and white wine grapes to work with, giving them a real taste of quantity and quality issues in the 'real world'.

The University's Hickinbotham

Roseworthy Wine Science Laboratory may well be the only facility in the world where students work with quantities that truly reflect industry conditions.

The recent upgrading of the Laboratory's capacity with new state-of-the-art fermenters has also given students something new to think about for this vintage. The new fermenters, specifically designed for joint University and industry research projects, are linked to a fully automated refrigeration and fermentation management system so that identical conditions can be maintained for all variables other than the one being tested.

Some of this year's students have tested out the new technology while others have opted for more traditional methods. Dr Jones said the arrival of the fermenters was timely for this vintage and, immediately after the student wines have moved on into barrel, the new equipment will swing into action for a range of research projects in partnership with industry using cool climate fruit.

Students also had the chance to show their Australian winemaking techniques to a colleague from California.

Joining the students at vintage this year was Californian winemaker Scot Covington. Formerly the experimental winemaker for Gallo in Sonoma Valley, Mr Covington is just about to start a new job as winemaker for the Pellegrini Family

Winery. Pellegrini produce wines using pinot noir, chardonnay, cabernet and merlot grapes.

It's the Australian way of doing things that has brought Mr Covington back to the laboratory at Waite. Having already split a vintage between Rosemount and Yalumba on a previous visit, Mr Covington is now keen to learn more about how the Aussies handle shiraz, whose popularity is growing rapidly in California.

"South African and New Zealand wines have already pushed us to be more fruit-driven," Mr Covington said. "Now Australia is changing our winemaking and our wine preferences as well."

His visit is supported by the Walter Carew and Richard Reynell Fellowship program, which is sponsored by the descendants of the Reynell family, renowned for their contribution to the South Australian wine industry.

Though only one family member is still in the industry, the family has continued to support the industry through this Fellowship, which is managed by the Department of HVO and covers costs for a northern hemisphere-based winemaker to participate in vintage each year. As part of the fellowship program, Mr Covington also hosted a tasting of wines from Sonoma and talked to students and staff about winemaking in the region.

While Scot Covington finishes up and flies on to Sydney to meet with his sponsors, the Waite students



will be guiding their wine through fermentation, wood maturation and bottling. The lecturers offer guidance but no recipes, so at the end of this process the wine they make is truly their own.

The opportunity to do it in significant quantities with quality

equipment is appreciated by the students as well as the lecturers. "It makes it a real, honest shot at approximating a winery," one student said as he hung over a vat of brilliant red grape juice with his team mates. "It's exciting."

—Lee Welch

## Waite campus a hive of insects, big and small

**HALF a million insects** have descended upon Adelaide University's Waite Campus—but it isn't what you think.

The Waite Insect and Nematode Collection was formed in early 2001 by the merger of three separate collections—Adelaide University's Duncan Swan Insect Collection, the Waite Institute Nematode Collection, and the South Australian Research and Development Institute (SARDI) insect collection. The combined collection contains more than 500,000 insect and other arthropod specimens that are dry mounted, in spirit, or on slides. It is extensively used by staff and postgraduate students to undertake identifications and as a source of biological and distributional information.

Notable holdings of particular importance to taxonomic research include collections of larvae and other immature stages of groups that are harmful to plants, acridid grasshoppers and scarabaeid beetles. The collection is also Australia's largest for plant, soil and entomophilic nematodes in Australia, and is currently the largest collection in the world of endemic Australian plant and soil nematodes.

As well as valuable reference material, the collection is an important resource for studies of biodiversity and distribution of nematodes, including materials from collection sites around Australia from both agricultural and natural habitats. The collection is managed by a joint Adelaide University/SARDI committee.



For further information on the collection or for loans to scientific organisations, contact Dr John Jennings: (08) 8303 3727, or email: john.jennings@adelaide.edu.au.

## Want a job? Be a pest about it!

**THE FIRST graduates** of Adelaide University's Pest Management degree have been snapped up by industry.

Narelle Borgmeyer, Malcolm Johnson and Anna Traeger are the first three graduates from the only full-blown university degree of its kind available in Australia, the Bachelor of Agricultural Science (Integrated Pest Management).

Ms Borgmeyer found a position in the growing team for Riverland-based consultancy firm Fruit Doctors, while Mr Johnson is hard at work on the Yorke Peninsula for Primary Industries and Resources SA. Ms Traeger is now employed by agricultural services company IAMA.

Dr Michael Keller, senior lecturer with the Department of Applied & Molecular Ecology, said industry demand for graduates such as these is high.

"Recent research shows the take-up of integrated pest management strategies is increasing rapidly," said Dr Keller. "In Australia, we don't have enough graduates to go around."

When we think of pests, we tend to think of creepy crawlies, but Dr Keller said they are only one part of the problem. "The program covers plant diseases, weeds, insects and animals. The term 'pest' really means any organism which can cause damage to a crop.

"Integrated pest management is applied ecology. It is taking the principles of ecology—largely without the use of synthetic chemicals—and applying them to the environment.

"We have to find ecologically sensitive ways of managing pests," Dr Keller said.

A sound way of producing work-ready graduates is through actual job experience. Students in the Integrated Pest Management now have an internship of 13 weeks during which they must work in industry. They have to report weekly and really think about and analyse the work they are doing. Every student is paid as a proper employee

for the full 13 week period.

"There's a greater demand for students for internships than we can supply.

"That helps us to ensure students are placed in real working situations and not used as 'slave labour,'" Dr Keller said.

Recent graduate Narelle Borgmeyer agrees that the internship makes a big difference.

"It put me in the industry I wanted to be in," Ms Borgmeyer said, adding that she felt normal work experience programs tended to be too broad in scope to be really relevant.

"The internship gives us practical experience and also proves to our employers that we really can do what we have to in the job."

Her employer, Mr James Altmann, agreed. He said the internship program "can help students decide what they want to do and crystallise interest in a direction for their career path".

According to Mr Altmann, there aren't enough graduates like these.

"We have a constant need for skilled people in this field."

He believes vigorous efforts to increase the number of students going into courses like this one should be made.

"We are only just starting to see these people coming through the degree. Rapid expansion in horticulture means we must ensure this continues and increases," Mr Altmann said.

Dr Keller also believes the job situation can only get better for graduates of this degree.

"The prospects are excellent.

"We have interns going interstate as well as working in South Australia. And at the end of it there are real jobs where graduates are using sophisticated ecological knowledge," Dr Keller said.

—Lee Welch



## What's new with Alumni?



**ALUMNI and Community Relations has changed its name to incorporate the Development component of our office.**

The Alumni, Community Relations and Development (ACR&D) office will be moving mid April 2001 from Alumni House to Level 1, 230 North Terrace. Our contact details, provided below, will remain the same.

Alumni, Community Relations and Development office:  
ADELAIDE UNIVERSITY SA 5005  
Tel: 61 8 8303 5800 Fax: 61 8 8303 5808  
Email: alumni@adelaide.edu.au

As part of this expansion we are pleased to welcome Carol Ible (pictured) to our office as the Development Officer (Annual & Planned Giving). Carol joined the team in December 2000 with a diverse background in marketing and sponsorship across various sectors.

After 28 years service, including 14 years as Director Alumni Relations, Geoff Sauer left the University on 26 February 2001. He will continue to look after the Winston Churchill Memorial Trust and is working, amongst other things, on a project related to the 50th anniversary, this year, of the Colombo Plan (see main story).

## UPCOMING EVENTS

**ALUMNI ASSOCIATION AGM:** To be held on 19 June. Details will appear in the May issue of the *Adelaidean*.

**GOLDEN JUBILEE 1951:** This year's Golden Jubilee commemoration ceremony and reunion (19 October) celebrates the 50th anniversary of our graduates from 1951. A list of graduates for whom we do not have current contact information is available from the Alumni, Community Relations and Development office. If you can help us find missing graduates or would like additional information contact Kim McBride on (08) 8303 3196 or email <kim.mcbride@adelaide.edu.au>.

# Colombo Plan 50th anniversary

**THIS YEAR marks the 50th anniversary of a major scholarship program—the Colombo Plan—which brought students from Malaysia and other Commonwealth countries to universities in Australia from the 1950s until the 1980s.**

The Colombo Plan was aimed at economic development in South and South East Asia, and was a widely acclaimed example of Australia's support and commitment to the then newly independent nations.

"After World War Two, Australia in particular had strong concerns for the fate of her then newly independent neighbours in Asia, who were seeking ways of providing a better life for their peoples," said Deputy Chairman of the Australia Malaysia Cultural Foundation, Mr Michael Abbott QC.

The Australian Minister for External Affairs at the time, Sir Percy Spender, recognised that the need of the South and South East Asian countries to develop was far greater perhaps than any other part of the world. He

suggested that the Commonwealth countries take the initiative in launching a program of technical assistance in the region.

"Today, many former Colombo Plan Scholars occupy senior positions in the Malaysian and Singaporean Governments, academia and the corporate world. Colombo Plan graduates are prominent in other countries as well," Mr Abbott said.

"This initiative reflects Australia's long and deep relationship with Malaysia, extending from pre-Independence Malaya to its current engagement in regional cooperation in a wide range of areas."

The Malaysia Australia Foundation (MAF) is now spearheading an effort to track scholars of the Colombo Plan's Technical Cooperation Scheme, which began in the early 1950s. The MAF's partners are the Australian High Commission, the Australia Malaysia Cultural Foundation (AMF), Australian Education International, and the Malaysian-Australian Alumni Council (MAAC).

To commemorate the 50th anniversary of the Colombo Plan, the MAF and its partners have embarked on a mission to trace all Colombo Plan Scholars who attended universities in Australia and to celebrate the achievements of the scheme with them.

A series of events is planned to honour these scholars. These include ceremonies in Kuala Lumpur and Canberra. Plans are also under way to provide Colombo Plan commemoration scholarships to Malaysians to study in Australia and for Australians to study in Malaysia.

All former Colombo Plan Scholars who might have returned to Australia are urged to make contact with the AMF and to join in the celebrations.

For more information, contact Geoff Sauer (08) 8276 1027, 0412 125 010 or email: sauer@senet.com.au.

## Book addresses Australia's response to refugees

**TWO main groups of asylum seekers arrived in Australia in 1999—refugees from Kosovo, and boat people from China. The first group was welcomed with open arms, the others were interned.**

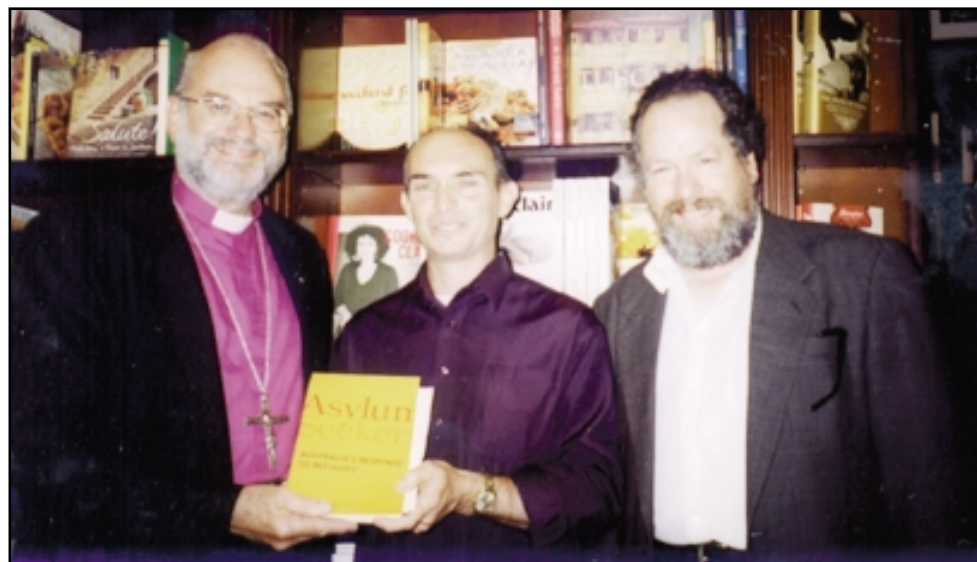
*Asylum Seekers: Australia's Response to Refugees*, authored by Adelaide University alumnus Dr Don McMaster (PhD 2000), sheds new light on events of the last few decades, from the first refugee policy of the Fraser Government, to the Blainey immigration debates of the 1980s and the moral panic about 'Asianisation' articulated by Pauline Hanson in the late 1990s.

*Asylum Seekers*, published by Melbourne University Press, was launched on 18 March 2001 at Imprints Bookshop, Hindley Street, Adelaide.

Welcoming remarks were given by both Mr Greg Mackie, co-proprietor of Imprints Bookshop, and by Professor Doug McEachern from Adelaide University's Politics Department. The book was officially launched by another alumnus of Adelaide University, The Most Reverend Ian George (LLB 1957), Anglican Archbishop of Adelaide.

*Asylum Seekers* not only looks at the evolution of Australia's immigration and refugee policies, it also examines the complex meanings of 'belonging' and 'citizenship'.

Chris Sidoti, former Human Rights Commissioner, states in the foreword: "He [Dr McMaster] places contemporary laws and policies in their historical context. He describes how poor our performance is even when compared to that of countries with a far greater challenge than Australia faces. He



From left: The Most Reverend Ian George, Anglican Archbishop of Adelaide, author Dr Don McMaster, and Professor Doug McEachern. Photo: Kim McBride.

shows how we are failing not only those we detain but ourselves as well. As a people we are better than this."

A testimonial from former Prime Minister Malcolm Fraser highlights the changing attitude of Australians towards refugees—from the generous period after World War Two to the hardening of Australian hearts in recent times.

Mr Fraser writes: "The number of asylum seekers coming here now is very small compared to the numbers entering other countries, yet our attitude is tougher than it has ever been. I hope this book will lead to a more rational debate about immigration and

about asylum seekers."

In his book Dr McMaster criticises Australia's policy of incarcerating some asylum-seekers while treating people who overstay tourist and business visas with leniency. Dr McMaster says that the United Nations has recognised Australia's violation of human rights, which he believes will take a massive swing to reverse.

Dr McMaster is a Visiting Fellow at the Politics Department, where he teaches politics as well as tutoring indigenous students at Wilto Yerlo and teaching Communications at the University of South Australia.

—Kim McBride

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## Kym wins Young Australians Foundation grant

**FORMER Adelaide University Council member and Student Association president Kym Taylor has been awarded a \$10,000 grant by the Foundation for Young Australians.**

Ms Taylor, a solicitor with Wallmans Lawyers in Adelaide, will use the grant to pursue a Masters in Law at Cambridge University, specialising in human rights and international law.

After completing her studies, she intends to return to Australia to practise in the area of social justice.

Ms Taylor was President of the SAUA in 1996 and a member of the University Council from 1997-98.

## Postgraduate travel grant

**UP TO three grants, each worth \$2500, are available to assist doctoral candidates (a) to travel to a conference at which the student will present his or her work, or (b) to travel to another institution to learn a particular method essential to his or her own work (which cannot be learned at Adelaide). Such travel may be undertaken within the state, within Australia, or overseas.**

Application forms for the May round of these grants can be obtained from the Alumni, Community Relations and Development office, 44 Kintore Avenue, or via internal mail or email on request. The deadline for applications is 5.00pm, 4 May 2001. Details: Ms Kim McBride, Alumni and Community Relations, tel 8303 3196 or email <kim.mcbride@adelaide.edu.au>.





# GRADUATION

SINGAPORE AND MALAYSIA



Macebearer for the KL ceremony, Idzham Fauzi Mohd Ariff, talks to fellow graduates about his experiences.



The class of 2001 from Malaysia.



Six Singapore students who completed graduate courses in environmental management graduated at the Singapore graduation ceremony. Accompanied here by Dr Jan Carey (Geographical & Environmental Studies).



Adelaide University Vice-Chancellor Professor Mary O'Kane delivers a poem in Malay at the KL graduation ceremony, a gesture warmly applauded by an appreciative crowd of about 500.



It was a long way to go to attend a graduation ceremony, but Jenni Bakhtiar (left) of Indonesia wouldn't have had it any other way. Along with fellow Indonesian and graduate Prita Brado Bumi (right), she flew from her home town of Jakarta especially to attend the Singapore graduation ceremony and receive her Masters in Soil Conservation & Management. She said she chose to study in Adelaide due to the cost of living being cheaper than other mainland States, as well as having a chance to study under world-renowned expert in the soil discipline, Professor Sally Smith from Adelaide University's Waite Campus.



Graduation speaker and Malaysian Minister for Agriculture Datuk Effendi Norwawi and Adelaide University Vice-Chancellor Professor Mary O'Kane talk to the Malaysian media following the KL graduation ceremony.



Bachelor of Medicine/Bachelor of Surgery graduate Muzaffar Salim (second from left) and his father Yaacob Salleh (third from left) share the special graduation experience with Adelaide University alumni Mathew Phillip-Thomas (left - current Malaysian alumni chapter president) and Omar Bin Shawkataly (right - Master of Ceremonies at the graduation ceremony).



The Singapore graduation class of 2001, following the graduation ceremony at the Hotel Westin Stamford in Singapore. Pictured in the front rows are Adelaide University academic staff, directors of the Ngee Ann-Adelaide Education Centre, Adelaide University Vice-Chancellor Professor Mary O'Kane and immediately to her left, graduation speaker Mr Iswaran.



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April 2001

**SUV Radio Adelaide 531am**

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recorded at UTLG Summer School 16/2/01

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*Koorina Language Revival,*  
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# Art courses paint a popular picture

DEMAND for Adelaide's new postgraduate courses in art history has exceeded organisers' expectations.

The courses, run by Adelaide University and the Art Gallery of South Australia, are the first of their kind in the nation. They've attracted widespread interest, according to lecturer and coordinator Mr Paul Matthews.

"The response has been extremely good. We were planning for 25 places but we've filled 50," Mr Matthews said.

"What is particularly pleasing is that those who've enrolled are from all walks of life—there's a wide spread of ages and occupations."

There are four courses being offered: a Master of Arts (Studies in Art History), Graduate Diploma in Art History, Graduate Certificate in Art History, and a Professional Certificate.

"These courses are unique in Australia because of the close link between the University and the Art Gallery.

"One-third of the course time is spent in the Art Gallery's collections, actually seeing and handling some very important works.

"Theory still makes up a significant component of the courses, but being able to actually view and handle works is a really exciting development and it means the students will get a lot more out of it," Mr Matthews said.

The courses began recently with a look at an artwork which, despite not being very



Mr Paul Matthews. Photo: Ben Osborne.

old, has already attracted considerable attention—Anna Platten's thought-provoking portrait of Adelaide University Vice-Chancellor, Professor Mary O'Kane was the feature of a lecture from the artist herself, before the artist and students relocated to the Mitchell

Building to view the painting.

Mr Matthews has recently completed work for his PhD at Cambridge, where for his thesis he examined 16th century state portraiture.

—Ben Osborne

# Chicago clarinettist gives piece of mouth

ADELAIDE'S concert fans have been treated to the music and mouthpieces of celebrated Chicago-based clarinettist Gregory Smith.

Smith has been Second Clarinet of the famed Chicago Symphony Orchestra since 1983. He is a founding member of the Chamber Soloists of Chicago, and a Grammy Award nominee.

While riding the highs of America's premier symphony orchestras for decades, Smith has been guest artist and professor in several countries and institutions.

He visited the University's Elder Conservatorium from 21-24 March, presenting two Master Classes, a lunch-hour concert and a seminar on mouthpieces.

During the seminar, clarinettists in the crowd seized the opportunity to own a piece of history. They were invited to test and purchase Smith's fine vintage mouthpieces.

His lunchtime concert on 23 March featured Monika Laczofy in a program of works by Brahms, Debussy and Bartok.



Chicago clarinettist Gregory Smith practises in Elder Hall with Conservatorium lecturer Monika Laczofy on piano. Photo: David Ellis.

The Lunch-Hour concerts are held in Elder Hall every Friday at 1.10pm (until 29 June). Admission is \$3.00 and tickets are

available at the door from 12.30pm on the day of the concert.

—Patrick Phuong



## NEWSMAKERS

Media stories about cloning multiplied after Italian scientist Severino Antinori announced plans to produce the first human clone within two years.

**Professor Rob Norman** discussed the topic with ABC Radio 5AN's Phillip Satchell (13 March), pointing out there was no guarantee of getting the same personality through cloning. (Professor Norman also featured in an *Advertiser* story about a diet trial he's running for women as part of a fertility research program). **Professor Maciej Henneberg** gave his views on cloning and DNA technology to the ABC's Carole Whitelock (13 March), while **Professor Peter Rathjen** spoke to *The Australian* (17 March).

The police seizure of a Robert Mapplethorpe book from an Adelaide bookshop caused **Professor Tom Shapcott** to write to *The Advertiser* (3 March) asking if the incident signalled "a return to the 1940s". **Dr Shoko Yoneyama** spoke to *The Australian* (5 March) about her comparative study of bullying in Japanese and Australian schools, while **Associate Professor Michael Sawyer** was interviewed by Phillip Satchell (6 March) and *The Australian* (10 March) about a disturbing report on adolescent depression.

On ABC radio 5AN (20 March), **Dr Kaye Roberts-Thomson** highlighted the problems experienced by poor people unable

to afford routine and timely dental care. A study has found that the poor have teeth extracted at twice the national rate.

**Associate Professor Alastair MacLennan** spoke to Jeremy Cordeaux on radio 5DN (6 March) about a new international study he is conducting to examine long-term effects of hormone replacement therapy. The study also received attention on 5AA and Triple M.

Changed working conditions were the topic of discussion between **Dr Pat Wright** and 5AN's Kevin Naughton and David Bland (8 March). Dr Wright said deregulation of the labour market had led to people working longer, unpaid hours. **Dr Barbara Pocock** told *The Sydney Morning Herald* (3 March)

that it had got harder, not easier, for people to manage work and family. Her comments were part of an article about an amendment to the NSW Anti-Discrimination Act aimed at making life easier for working parents.

In the Hills Messenger (7 March), **Associate Professor Mike Tyler** argued that Belair residents, not Mitcham Council, should maintain the verges outside their homes. **Dr Jennifer Gardner** spoke to the Eastern Courier Messenger (7 March) about plans to protect rare plants and birds in a 130 hectare nature reserve from Urrbrae to the SE Freeway, to be known as the Friends of the Waite Conservation Reserve.