

## Rewiring the brain: new hope for stroke victims

A STUDY by Adelaide University scientists suggesting that the brain can be 'rewired' could lead to a new therapy for stroke victims.

It shows that healthy brain areas may be recruited to take over the functions of areas damaged by stroke or trauma.

Observations of patients who suffer stroke or brain injury and regain only limited function had led to a view of the brain as 'hard wired,' with neural circuits laid down by puberty and remaining unchanged thereafter.

Among other things, the brain's cortex controls voluntary movement, speech and reasoning. Research now suggests that neural connections of the cortex are not fixed, but continuously modified by experience and learning.

Earlier studies have revealed that practising a simple finger movement can change the size of the area of motor cortex that controls specific finger muscles, and even alter its neural connections.

In blind Braille readers, the cortical area for the reading finger is much larger than for a non-reading finger. Amputees show the reverse effect; cortical areas of missing muscles being taken over by those that are unaffected.

In a study published in *Experimental Brain Research*, researchers from the Department of Physiology at Adelaide University have discovered that stimulating the nerve from a muscle to the brain can alter the size of responses from the area of cortex that supplies the muscle. Furthermore, these changes last for some time after the stimulation has stopped.

"Our findings are quite exciting as they have implications for understanding phenomena such as skill learning and motor memory," said Dr Mike Ridding, a Florey Postdoctoral Fellow and lead investigator on the study.

"It also suggests new directions for developing potential therapeutic approaches to disordered

brain function in such debilitating conditions as stroke."

Many stroke victims have difficulty with even simple tasks because of muscle weakness or unwanted muscle contractions that make co-ordinated movement almost impossible. In most instances the muscles and nerves themselves are fine, but their connections to the cortex have been damaged. The study's findings suggest that it may be possible in the future to bypass the damaged brain area.

In the study, electronic coils were used to stimulate the cerebral cortex and then measure changes in its activity produced by stimulation of nerves from the fingers. Differently shaped coils have been designed to produce different patterns of stimulation. Held close to a subject's head, they are non-invasive and painless.

"By developing a method of stimulating the pathways leading back to the brain from the affected muscles, we may be able to encourage the development and use of an alternative cortical area to that damaged by the stroke," said Dr Ridding.

"If we could achieve this, it would be a big step towards enabling patients to regain at least some of the movement control they lost as a result of their stroke."

The other authors of the study are Associate Professor Tim Miles and PhD student Julia Pitcher, both of the Sensorimotor Control Group, Dr Brenda Brouwer, Visiting Research Fellow from Queen's University, Canada, and Professor of Neurology in the Department of Medicine, Phillip Thompson.

Along with Dr Tim Miles and Professor Thompson, Dr Ridding is now pursuing the nature of these motor cortex changes, while Julia Pitcher is examining the changes in motor cortex excitability that occur when a muscle is fatigued. Muscle fatigue and weakness are symptoms common to a number of motor control disorders, including stroke.



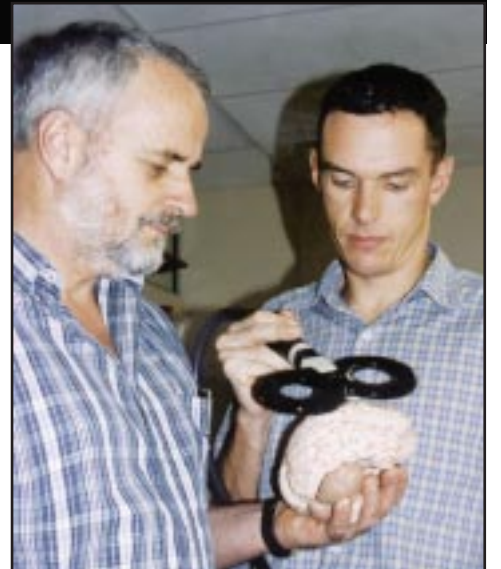
Top: Dr Tim Miles's finger points to a region of the brain associated with sensation in the fingers.

Right: Dr Tim Miles and Dr Michael Ridding demonstrate an electronic coil that measures changes in brain activity caused by stimulating the finger.

Dr Ridding believes that the effect may involve a protein that modifies synaptic efficiency in the brain.

"Together with the results of Julia's fatigue studies, we should gain some insight into how we might manipulate the mechanisms to assist people with movement disorders regain more motor control," he said.

—Rob Morrison



## Mawson's footsteps lead to a path of discovery

IN THE ICE and snow, it doesn't take long for a set of footprints to be covered over and forgotten. But as the years have passed, the footsteps of one man—Sir Douglas Mawson—have only become more visible.

The incredible achievements of this Antarctic explorer and Adelaide University scientist are now on permanent display to the public, in a gallery at the South Australian Museum aptly named "In the Footsteps of Sir Douglas Mawson".

On Monday 3 April, the Governor of South Australia, His Excellency Sir Eric Neal, officially opened the new permanent exhibition at a function attended by hundreds of supporters, including 11 members of the Mawson family.

The new gallery at the SA Museum is the result of years of hard work by the Mawson family, the Museum and Adelaide University.

Those who gave speeches at the opening, including Dr Tim Flannery, Director of the Museum, Mr Pearce Bowman, Executive General Manager of WMC Resources, and Mrs Stella Vitzhum, grand-daughter of Sir Douglas

Mawson, all spoke of Mawson's courage and determination.

Mawson was a man of great vision, whose tireless work has provided the world with a legacy of scientific knowledge and inspiration.

Never an "armchair geologist", his enthusiasm, spirit of adventure and conscientious approach have made him a hero in Australia and across the globe.

The new permanent gallery showcases Mawson's scientific interests and the great efforts he made to achieve his discoveries.

Personal belongings used in his Antarctic expeditions—from his sled and scientific tools to pairs of boots, camel hair sleeping bag, mittens and other clothing, as well letters and papers, and samples he retrieved—and details of his work in the Flinders Ranges and other parts of Australia are all on display.

Eight interactive multimedia screens, digital photo frames with changing images of Antarctica, film screenings of footage taken on Mawson's journeys, a real ice wall, Antarctic rocks, and a reconstruction of Mawson's hut all bring the experience to life.

At the exhibition's official opening, modern-day Antarctic explorer Mr Peter Treseder returned one of Mawson's balaclavas, which Mr Treseder took on his recent expedition to the South Pole. On receiving the balaclava, Mawson's grandson, Mr Alun Thomas, promptly donated the relic to the Museum, where he asked for it to be added to the many items on display.

Mr Treseder's partner on the expedition, Mr Tim Jarvis, also read a letter of congratulation from British Prime Minister Mr Tony Blair, who wrote:

"This permanent exhibit to his [Mawson's] achievements is a fitting tribute to a truly great Antarctic explorer. I wish it every success."

The exhibition, "In the Footsteps of Sir Douglas Mawson", was made possible by a large number of sponsors, in particular the Government of South Australia through Arts SA, WMC Resources, the Commonwealth Government through the Federal Cultural & Heritage Projects Program, EDS Australia, Primary Industries & Resources South Australia, and the Thyne Reid Education Trust.

Special mention was made at the launch of the late Mr Bruce Webb, Chancellor of Adelaide



University, who headed the Mawson Antarctic Appeal to raise much-needed funds for the permanent gallery.

*Celebrations of Mawson's life and love (page 2). Pictorial display of the Mawson Gallery (page 7).*

—David Ellis

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# COMMENTARY

## QUALITY IN POSTGRADUATE RESEARCH

Jill Thorpe  
Conference Media Officer

On 13-14 April this year South Australia's three universities are again hosting what is now an international biennial conference looking at Quality in Postgraduate Research. Thirty of Australia's universities will be represented, together with delegates from New Zealand, Malaysia, South Africa, the United Kingdom and Nepal. Interestingly, this fourth conference is sub-titled "Making Ends Meet". This means that, while looking at a myriad of issues such as selection, assessment and resources, participants will need to address quality improvement in an atmosphere of declining financial security.

Nobody would deny the need for innovative development in the tertiary system, but blinkered devotion to precepts that may obtain mere short-term solutions in the marketplace does not address the long-term growth of the national and international community. Specifically, I would like to address the plight of a group which is living through this period of experimental reform and needs to be considered as integral to these processes: research students.

The Federal Government's recent White Paper on the future of education indicated that there were approximately 25,000 (EFTSU) Higher Degree Research Students, but only 21,500 were in HECS exempt places. Bradley Smith, the 2000 President of the Council of Australian Postgraduate Associations (CAPA), recently took up the issue of future numbers to be funded with the Department of Education Training and Youth Affairs (DETYA). He was informed that in the immediate future, the number of places to be made available will fall somewhere between the two figures. There was no definite answer

to the query about what would happen to the money saved. This is unfortunate because while DETYA has announced that it is increasing the HDR scholarship by 4% in relation to the GST, it has also announced that it is reducing the number of scholarships by 4% to compensate. There appears to be no definite appraisal based on the future needs of our society. DETYA will determine the funding load by negotiating with individual institutions which are constrained by finances, some of whom in 1999 actually negotiated a lower higher degree by research (HDR) load.

The reasons motivating institutions to voluntarily reduce their HDR load need to be considered. Does the intention to reduce the funding of candidature for a PhD from five years to four years and Research Masters from three years to two years mean that institutions are recognising an inability to offer quality academic and resource support? Do they consider that enrolling less but better supported students will assist candidates to deliver on time? If students abandon their studies because they cannot afford to pay the fees that may be demanded of them in order to complete, the university may well slip down the new "league ladder" which will be used as a basis for future HDR funding.

The average period of completion of a PhD is four years, yet universities are now to be denied the flexibility that the previous five years of funding offered. This elasticity is crucial as, for example, some study will be dependent on the vagaries of climate and unanticipated scientific results. Judy Mundine, from the University of Western Sydney, addressed this issue recently. She argued, on behalf of the National Indigenous

“Flexibility, combined with the need for innovative and equitable reform, needs to be considered.”

Postgraduate Association Aboriginal Corporation (NIPAAAC), that community and family responsibilities exacerbate the existing socio-economic and cultural differences that exist for indigenous students. Successful completion rates for indigenous students are vital for the inclusive expansion of our country's knowledge.

The circumstances of international students also need to be considered. It may be financially feasible for some students to wander over the completion date, but for students on scholarships, particularly from third world countries, or on some of the Australian Government scholarships, the deadline pressure is considerable. Incidentally, international student completion rates will now be included in the DETYA "league table".

Flexibility, combined with the need for innovative and equitable reform, needs to be considered in the light that HDR students can no longer be cliched as financially secure, single, white middle-class males. Research students now have a mean age of 35 years, generally with the attendant responsibilities that this age brings, so tailoring research programs to this view is no longer viable. Additionally, the recently commissioned independent study of our welfare system has highlighted the need for a flexible government approach to basic support, especially in conjunction with education and training, irrespective of age.

What possesses an individual student to devote years of their life to research? There will always be the odd free loader or non performer, as in all aspects of our society, but this does not disguise the fact that postgraduate students are

prepared to generally spend years existing in penury. They build up debt and forgo the possibility of significant income and career development, for what? There is no guarantee that even a highly developed entrepreneurial bent will bring great material benefit or career security on completion of study. Recompense is even more unlikely if the area of research falls outside the areas of biological and agricultural science and information technology. A career as an academic is now improbable and will certainly be erratic.

The 1999 CAPA President Tom Clark pointed out, in his presentation to the last Quality in Postgraduate Research Conference, that "the justification of a system of postgraduate research education rests upon the students" and that focusing only on the "value-added human capital that emerges from research degrees can be ... dreary and alienating".

If our university system can no longer contribute, in an unshackled manner, to national and international development, where do we look from here? The linking of future HDR funding to non-flexible completion rates, combined with the relentless overall cuts to tertiary funding, is lowering the quality of not only the private research experience but also of the ultimate public benefit.

The issue of private good versus public benefit, with regard to postgraduate education in general will be debated on Wednesday evening 12 April in the Union Cinema as a curtain raiser for this month's Quality in Postgraduate Research conference. The importance of this conference to postgraduate students is reflected in the fact that more than 50 students, both domestic and international, will be attending from around Australia, and will be presenting 25% of the papers.

## Celebrations of Mawson's life and love

A WEBSITE and a new book dedicated to different aspects of Sir Douglas Mawson's life are now available to the public.

Drawing on the interactive displays on show in the permanent Mawson gallery, the SA Museum has launched the Mawson website.

At the click of a mouse, internet users can see images of Mawson's Antarctic journeys and learn about his scientific endeavours.

Mawson was himself a man who embraced new technology, with the Australasian Antarctic Expedition (1911-1914) the first use of aircraft, the wireless, and to have success with colour photography in the Antarctic.

The Mawson website can be found at: <<http://www.samuseum.sa.gov.au>>.

Meanwhile, a new book is celebrating the love between Mawson and his fiancée, Paquita Delprat.

*This Everlasting Silence – the love letters of Paquita Delprat & Douglas Mawson 1911-1914* is edited by former journalist and author Nancy Robinson Flannery.

Mawson and Delprat were engaged to be married, but their romance was dramatically interrupted by Mawson's 1911 expedition.

It was during this expedition that Mawson lost his two companions, Mertz and Ninnis, and was the only survivor.

The 15 months he planned to spend away from his fiancée instead became two years and three months.

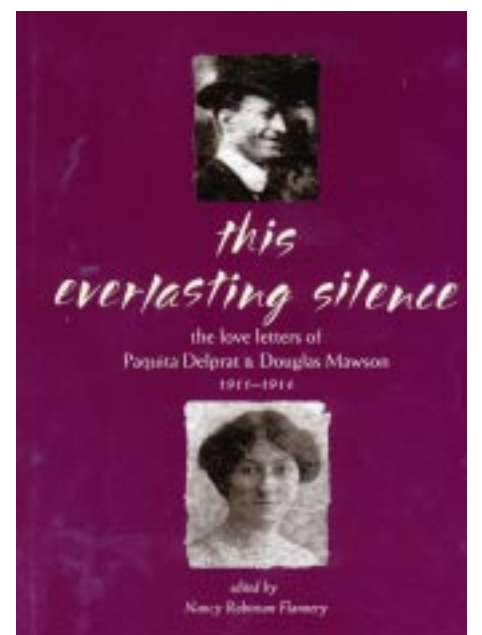
This is the first time that the letters between

Mawson and Delprat—which are touching, heart-wrenching and memorably romantic—have been published in their entirety, revealing a completely new side to the Mawson story.

The letters were made available for publication by the Mawson family and by Adelaide University, which is the custodian of Paquita Delprat's letters.

The book takes its title from Delprat, who at one stage had not heard from Mawson for almost two years, and despaired: "This everlasting silence is almost unbearable..."

With a foreword by modern-day Antarctic explorer Mr Peter Treseder, *This Everlasting Silence* is published by Melbourne University Press and retails for \$29.95.



## Adelaidean

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## LETTERS

TO THE EDITOR

PeopleSoft



Thanks to PeopleSoft, the University appears to be making its most innovative move in decades.

A class is now defined as having "an instructor, facility and schedule associated with it".

It reminds me of the hospital in *Yes Minister* which ran very successfully with 450 staff but no patients.

No students from 2001? Roll on the millennium.

CHRIS DAWSON  
Graduate School of Education

## Web redevelopment

An update on the web redevelopment project will shortly appear on the project web site. Check it out at: <<http://www.adelaide.edu.au/pr/webdev.html>>.

## Legal education conference

FUTURE directions in legal education will be debated by delegates from a range of Commonwealth countries at the Commonwealth Legal Education Association (CLEA) Conference in Adelaide from 12-14 April.

Associate Professor Rob Fowler of Adelaide University's Law School is Convenor of the event.

It is the first time the CLEA conference has been held in Australia.

The theme is "Innovation in Legal Education: Challenging the Future".

The CLEA was formed in 1971 to foster high standards of legal education and research and build contracts between like-minded individuals and organisations.

Issues to be debated at the conference include student-centred learning, ethics and professionalism, postgraduate legal education and practical legal training.

—John Drislane



# Olympic torchbearers on campus

TWO Adelaide University staff members are among the lucky Australians chosen to carry the Olympic Torch in the lead-up to the Sydney 2000 Olympics.

And, as chance would have it, one of those chosen is a member of the Adelaide research team which developed the all-important fuel and combustion system for the torch.

Dr Richard Kelso, an aerodynamics engineer with the Department of Mechanical Engineering, was closely involved in all stages of the fuel system's development.

His work with a water tunnel, using red dye to simulate the torch's flames underwater, enabled the research team to better understand the aerodynamic forces at work on the torch. He was also a key designer of the components which keep the Olympic flame alight in a wide range of adverse weather conditions.

When SOCOG rejected an application by the entire team to run in the Olympic torch relay, Dr Kelso made an individual application.

"If I hadn't been involved in the development of the torch I probably wouldn't have applied to be a torchbearer. Because of my involvement I feel proud of the torch and the team's achievement. I just had to apply," Dr Kelso said.

"I feel honoured to have been selected. It would have been great for the whole design team to run together, but instead I will be their representative."

Mr Chris Brooke is an Executive Officer with the Division of Finance & Infrastructure at



Chris Brooke and Richard Kelso with the unlit Olympic Torch. The flame cannot be lit until they become official torchbearers in July. Photo: David Ellis.

Adelaide University. He was selected for his community and charity work.

A former professional runner and Aussie Rules football umpire at AFL level, Mr Brooke has had his share of sporting moments.

"I've always been 'sports-minded' and I've taken part in many great events at the SCG, the Gabba, Footy Park. I have great memories of each of those moments. But I really wanted to be a part of the torch relay. To me, that would be the ultimate event. It will be the highlight of my life so far, and it will be a memory worth treasuring," Mr Brooke said.

Both runners will carry the torch on Sunday 16 July—Day 39 of the 100-day relay. Mr Brooke's section of the relay is in the eastern suburb of Kensington, while Dr Kelso will run through the Adelaide Hills at Bridgewater.

—David Ellis

Other staff members or students who have been chosen for the Olympic torch relay are urged to contact the Media, Marketing & Publications Unit on 8303 5174.

## Alumni medallist bound for Cambridge

IT'S GRADUATION time again at Adelaide University. From 13-20 April, students will be lining up in Bonython Hall to receive their degrees, diplomas and certificates.

Graduations recognise all the hard work that students have put into their studies. And few have worked harder than this year's winner of the prestigious Alumni University Medal, Ms Emily Hackett-Jones.

The medal is awarded by the Alumni Association to the top Honours graduate in the University.

A Science student studying mathematical physics, Ms Hackett-Jones has received almost exclusively high distinctions in her four years with the University. Her research into Einstein's general theory of relativity earned her First Class Honours.

Her Honours work included studying the forces that would come to bear on observers travelling around black holes in space, and the application of general relativity within an as-yet-unknown "fifth dimension" which could be much smaller than those dimensions currently known.

"I really like the application of maths to physics. I like doing maths, but I also like to



Emily Hackett-Jones

have some reason for doing it," Ms Hackett-Jones said.

"I've enjoyed my time at the University and I found my Honours work to be fascinating.

"I've had to work hard because the courses are tough and the exams are really tough. For a while there I felt as if my Honours wasn't going very well because of all the work that was piling up, so I was amazed when I was told about the Alumni Medal—it was a

complete surprise to me," she said.

When she receives the medal at her graduation ceremony on 13 April, the hard work still won't be over for Ms Hackett-Jones. She is currently working on a Masters degree in Science at Adelaide's Special Research Centre for the Subatomic Structure of Matter before heading off to Cambridge University in October to study for a PhD.

Ms Hackett-Jones was awarded a George Murray Scholarship, which pays for her tuition and living expenses at Cambridge.

"In the nine months in between finishing Honours and going overseas I've been trying to do my Masters, this time on the properties of subatomic particles," she said.

"When I get to Cambridge I'll probably want to keep working on general relativity, and to do that Cambridge would have to be one of the best universities in the world."

While at Cambridge, Ms Hackett-Jones is hoping to meet with one of her heroes of science, the world-famous Professor Stephen Hawking.

"I doubt that he does much in the way of teaching, but it would be great to have him for a lecture or two while I'm there," she said.

—David Ellis

## Graduation Ceremonies

### CEREMONY 1

Thursday 13 April, 10.00am  
Dental School / Medical School - all courses  
Graduate School of Management - all courses

### CEREMONY 2

Thursday 13 April, 3.00pm  
Faculty of Science - all courses

### CEREMONY 3

Monday 17 April, 10.00am  
Faculty of Agricultural and Natural Resource Sciences - all courses  
Mathematical & Computer Sciences - all courses

### CEREMONY 4

Monday 17 April, 3.00pm  
School of Engineering - all courses

### CEREMONY 5

Wednesday 19 April, 10.00am  
School of Architecture, Landscape Architecture and Urban Design - all courses  
School of Economics - all courses  
Elder Conservatorium - School of Performing Arts (including AMEB) - all courses

### CEREMONY 6

Wednesday 19 April, 3.00pm  
School of Commerce - all courses  
School of Law - all courses

### CEREMONY 7

Thursday 20 April, 10.00am  
Faculty of Humanities & Social Sciences - Doctorates, Masters, Graduate Diplomas, Graduate

Certificates and Bachelors of the Department of Education  
Honours BA - Family Names A-K\*  
Ordinary BA - Family Names A-K\*  
Ordinary BA - Jurisprudence

### CEREMONY 8

Thursday 20 April, 3.00pm  
Humanities & Social Sciences - Doctorates, Masters, Graduate Diplomas, Graduate Certificates in Departments other than Education  
Honours BA - Family Names L-Z\*  
Ordinary BA - Family Names L-Z\*  
Wilto Yerlo - all courses

\* Some minor adjustment to the alphabetic groupings may occur.



## Colleges: past and future

A timely list came my way recently as I was reflecting on the role colleges play in university life.

It was a list of the nine tasks that universities perform, as identified by Stanford University President Gerhard Casper. They are: (1) knowledge assessment and creation; (2) assessing and reviewing those who have the capacity to become and be scholars; (3) education and professional training; (4) knowledge transfer; (5) credentialing; (6) social integration; (7) the collegiate rite of passage to adulthood; (8) providing a place for 'networking'; and (9) fostering a worldwide community of scholars.

It's a rather good list and I'm grateful to my professorial colleague in Electrical Engineering, Bob Bogner, for sending it on. It's certainly more useful than the list that has become the de facto standard in Australia since the mid-90s quality round. That list has just three elements: teaching, research and community service.

As I say, it's also timely. I've had particular reason recently to think of items 6, 7, 8 and 9 on Casper's list, with the 50th anniversary of Aquinas College followed by the 75th anniversary of St Mark's College.

For many students, college is an essential part of university life and the basis of lifelong friendships (and, as Casper puts it, 'networking'). Many of our overseas alumni have particularly fond memories of the support they received in colleges.

Speaking at the Aquinas anniversary dinner, I outlined my view that our colleges have an important role to play in the University's future. At a time of no population growth in the State, and a time when the fee income from overseas students is increasingly important, colleges are a key part of the package Adelaide can offer as an "education city". They provide a safe, affordable environment for students a long way from home as well as an instant social support system.

But I also see new opportunities opening up for colleges. As lifelong learning becomes increasingly one of the main services universities provide, people of all ages will require appropriate accommodation and social support to undertake intense, short, professional courses.

As our population ages, more older people are wanting to study for interest and entertainment. Here again, there's an opportunity for colleges to provide a social and/or accommodation support role.

The new Master of St Mark's, John Bannon, has been pointing out to me how colleges can also support the University in fostering a worldwide community of scholars by providing short term accommodation for eminent scholars visiting the University. It's an excellent idea that we're working on and will possibly package into a formal 'scheme' like the University of Canterbury's very successful Erskine Fellowships.

Adelaide University is fortunate to have such an excellent set of affiliated colleges as Aquinas, Kathleen Lumley, Lincoln, St Ann's and St Mark's. As social and educational patterns change, I think we're going to appreciate even more the contribution they can make to University life.

MARY O'KANE



## Crawford Fund to benefit agriculture

ADELAIDE University's world-renowned Waite and Roseworthy campuses will benefit from a new organisation in South Australia which aims to share agricultural expertise between Australia and developing countries.

The SA branch of the Crawford Fund was launched recently in Adelaide by chairman Mr Tim Fischer who said the fund assists in the two-way exchange of the latest agricultural research and development that is of mutual benefit to South Australia and developing countries.

"Exporting South Australian expertise and know-how in the agriculture and natural resource management sciences, particularly from its world-renowned Waite and Roseworthy campuses at Adelaide University, will reap its own rewards in the years to come," he said.

Acting head of Adelaide University's Department of Soil and Water Professor Sally Smith has joined a nine-member committee for the SA branch.

The committee is chaired by former SA director-general of agriculture, Dr John Radcliffe, and coordinated by foundation director of the Cooperative Research Centre for Soil and Land Management Dr Albert Rovira.

The Crawford Fund is a non-profit organisation funded by private and public sector donors, and is an initiative of the Australian Academy of Technological Sciences & Engineering. It offers short-term, hands-on training for people from developing countries who are engaged in agricultural research and development which is highly focused and practical.

## Horse course racing ahead

IN an Australian first, second year horse husbandry and management students are being introduced to racing and wagering administration.

The new teaching initiative at Adelaide University is being assisted by the South Australian Jockey Club, SA Thoroughbred Racing Authority, SA Harness Racing Authority and the Racing Industry Development Authority.

According to Equine Studies Program Leader Dr Robyn Woodward, the subject will provide vital information for graduates looking for a career in the administrative areas of all horse sports as well as those interested in the marketing of those activities.

"If we are going to educate people to enter the industry and make a valuable contribution, they need to have a good understanding of racing management and marketing in a competitive environment locally, interstate and even internationally.

"They also have to have an appreciation of the effects of the government's deregulation policies.

"The privatisation of TABs and the subsequent rationalisation of racing in conjunction with the strategic marketing techniques needed to publicise the enjoyment of Thoroughbred and harness racing will have an enormous impact on racing management. Our graduates need to be prepared for this environment," Dr Woodward said.

Through their studies, students will be



Racing and wagering administration is now being offered to horse course students. Pictured here: Pharein in the 1999 Emirates Classic. Photo by Bronwen Healy, courtesy of Bronwen Healy Photography.

exposed to industry operations and decision makers within the jockey clubs and racing authorities.

Several interesting aspects of the subject include marketing racing as a product, the legal aspects of racing and international gaming and wagering operations including the impact of the internet.

Students will also consider case studies of successful raceday promotions and

marketing strategies.

"We are excited about introducing this subject into our curriculum and have been heartened by the positive responses from the racing authorities.

"I hope that this subject will assist my students in establishing an important network of contacts for their future in the industry," Dr Woodward said.

—Elizabeth Burns

## Algae a blooming interest at Adelaide conference

ALGAE will again go under the microscope in the second Australian Algal Workshop, to be held from 17-19 April at Adelaide University's Polygon Lecture Theatre.

Convenor Dr Peter Gell, from Adelaide's Department of Geographical and Environmental Studies, said the first conference in February 1999 attracted some 70 participants and was regarded as a great success.

This year's conference will feature several guest presenters talking on a range of algal issues, including the always controversial topic of blue-green algae.

Professor Gustaaf Hallegraeff from the University of Tasmania, who was recently in the news about the possible link of toxic algae and the death of \$60 million of tuna at Port Lincoln, will present a guide to identifying estuarine and freshwater dinoflagellates (a type of single-cell algae).

Peter Baker of the Australian Water Quality Centre will also speak on developing a national protocol for blue-green algae, which are another type of single-cell algae.

"The protocol will be an important step in allowing aquatic biologists from all quarters to generate results which are comparable between laboratories," Dr Gell said.

"Such a unifying approach opens the door for

laboratories to put their results in a national context and more broadly assess the quality of their waterways and the threats of algal blooms."

Dr Gell said an important session at the workshop will be the "participants' material" session, where participants bring specimens or particular problems they are having to the attention of the entire workshop.

"This previously proved to be a very useful exercise enabling those on the front line to have immediate problems of taxonomy, quantification or interpretation resolved," he said.

"In this instance we will have a 'panel of experts' in the hot seat who no doubt will benefit from the experience by having the difficulties of the laboratory analysts brought into sharper focus."

Dr Gell will also present, in conjunction with Jason Sonneman and Michael Reid, a comprehensive guide to another single-cell algae, diatoms, across Southern Australia.

*Common Stream Diatom Species of Temperate Australia* was funded by the Land & Water Resources Research & Development Corporation, and details and illustrates some 140 species of diatoms.

—Ben Osborne



Second Australian Algal Workshop convenor Dr Peter Gell and Honours student Sorell Bulpin from the Department of Geographical & Environmental Studies prepare for the conference, to be held at Adelaide University from 17-19 April. Photo: Ben Osborne

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## PUBLIC DEBATE

**"Higher Education - it's not a public good, it's a private perk!"**

Student leaders, academics, business and union representatives bring into the public arena the Federal Government's so far unquestioned de facto philosophy for Higher Education on Wednesday 12 April, Adelaide University Union Cinema, Level 5 Union Building. Wine and cheese from 6.00pm

**Speakers for the affirmative:**

- Helen Kavanagh, National Women's Officer, Council of Australian Postgraduate Associations (CAPA)
- Faith Trent, Head of Faculty of Education, Humanities, Law & Theology, Flinders University
- Ed Tweddell, Chief Executive Officer, F H Faulding & Co

**Speakers for the negative:**

- Bradley Smith, CAPA President
- Simon Marginson, Director, Monash Centre of Research in International Education
- Carolyn Allport, President, National Tertiary Education Union (NTEU)

**Chair:**

- Malcolm Gillies, Executive Dean, Humanities & Social Sciences, Adelaide University

Information and RSVP (for catering): Adelaide University's Postgraduate Students Association, 8303 4114 or email <helen.kavanagh@adelaide.edu.au>. This free public debate is being held in conjunction with the International Quality in Postgraduate Research Conference (13-14 April).



# Where the pen is mightier than the machete

NATURE can usually cope with extremes. Deluge and drought, feast and famine can mostly be survived, but for the Great Apes of equatorial Africa, the flood of tourists that once threatened to engulf them has dwindled to a trickle that may no longer sustain them.

For decades, the apes were threatened by loss of habitat, hunting and, because of their close relationship to us, human disease. During the past few years, ecotourism has been the apes' salvation. It brought prosperity to local communities and protection to the apes. As long as they survived, rich tourists came. Then too many came.

At some sites in Uganda, up to 150 people would compete for the six places in an observation party. They offered huge bribes to get closer to the mountain gorillas and, at the end of scheduled viewing periods, they refused to leave.

It was a problem that bothered Carla Litchfield, an Adelaide University lecturer who is undertaking a PhD there in Psychology. Her early research at Adelaide Zoo involved ape behaviour, and it led her to Africa, to international conferences and to meetings with Jane Goodall, the world's foremost authority on chimpanzee behaviour.

In 1998, Ms Litchfield wrote and published *Treading Lightly*, a manual for responsible tourism with the African Great Apes. Produced by the Travellers' Medical and Vaccination Centre\*, with a foreword by Jane Goodall, it became the international bible for Great Ape ecotourism, providing concise management solutions to benefit both animals and humans.

One year ago, at Bwindi in Uganda, 100 African rebels kidnapped tourists who had come to see the apes and killed them with machetes. The worldwide publicity that followed killed the ecotourism trade as well. In its wake, local economies crashed, and for the apes it may yet



Carla Litchfield with "George" the orang-utan, once a much-loved member of Adelaide Zoo. The Zoo is active in international efforts to conserve endangered apes. Photo: Rob Morrison.

prove a catastrophe.

In the neighbouring Congo (formerly Zaire), at the once popular Kahuzi-Biega National Park, war and the consequent loss of tourism have brought a predictable harvest. Faced with starvation, farmers and poachers have reverted to forest clearance and hunting. In the past year alone, seven distinct groups of lowland gorillas have been killed, four at tourism sites, three at research centres; the animals made more vulnerable because of years of close contact with humans. Even in remoter areas of the Park, of 240 remaining gorillas, more than half have been killed for little gain, their meat selling for 25 cents a kilo; half the price of local beef.

Last month, exactly one year after the massacre of tourists, Ugandan President Museveni

himself paid a visit to the apes at Bwindi to demonstrate that ecotourism was once more safe, but it will take a long time for confidence to return, and the apes may not survive it. Throughout the animals' range countries, those dedicated to their conservation are already trying to cope with massive problems including orphaned lowland gorillas, bonobos and chimpanzees.

There are 30 of these orphaned chimpanzees in Uganda alone. There are at least 300 others across Africa, with more arriving daily. Many are too ill or traumatised to survive and, for those that do, there are few places to put them. Many apes still living in the "wild" have lost hands or feet in poachers' snares. Ape conservation is once more a

matter of top priority.

This month, Ms Litchfield is returning to Uganda where she has been invited to attend a five-day workshop on Sanctuaries for Orphaned Chimpanzees. Researchers will use computer simulations to model ape populations, estimating the risks of their decline and extinction, and developing strategies for their conservation management.

For her, the answer lies in rebuilding responsible ecotourism there. "The reaction that people have to the apes is like no other," Ms Litchfield said. "They describe it as powerful, transforming and spiritual. Those that come up to see the apes at close quarters return as different people, enriched by the experience.

"I want people to have that experience, but not to add to the problems of the Great Apes," she said. Responsible tourism is not exploitation but sharing. It must be ecologically sustainable, occur in natural areas, foster conservation, improve understanding and benefit local communities and environments."

There are some modest signs of hope. A 20-hectare forested island in Lake Victoria now serves as a sanctuary for about 30 chimpanzees. It performs a limited role in community education and ecotourism, raising awareness of the plight of the great apes in Ugandans and international visitors alike, but the animals relocated to this island will always need human intervention to ensure their survival.

For the moment, Ms Litchfield's PhD is on hold. Her luggage is full of copies of her book, for so few Australians now visit the apes that there is no-one to sell them to. They will be sold in Africa, each one raising funds for the now urgent cause of conserving the Great Apes in Uganda.

\* The Travellers' Medical and Vaccination centre <<http://www.tmvc.com.au>> includes information on buying *Treading Lightly*.

—Rob Morrison

## Hunters help fund wildlife



Rosenberg's goannas are a common site across the island. Predators when large, but prey for curawongs when they are small, they are an important part of the island ecosystem. Photo: David Armstrong.

THE SUBJECT of hunting rouses strong passions, but the interests of hunters and conservationists come together with the Wildlife Conservation Fund.

The WCF, which is administered by the Department of Environment & Heritage, funds a great many projects in South Australian wildlife conservation. The money for the grants, ranging from a few hundred to several thousand dollars each, comes largely from hunting licenses. As a result, in previous years, research projects that benefited wetland species were favoured.

More recently, revenue from gun licences has declined in the wake of tighter gun laws, but conservation bodies like the National Parks Foundation and Rotary's ROBIN project now add their own contributions to the WCF to ensure that local wildlife research continues.

This year's 37 grants total more than \$177,000. Five of them have gone to Adelaide University researchers. Dr

David Paton (Environmental Biology) has been awarded two grants, one to study the foraging patterns of Red-Tailed Black Cockatoos, aspects of their food supplies and the impact of fire on them. Dr Paton will also study the maintenance and enhancement of monitoring at the Roxby Downs Arid Zone Ecosystem Restoration Site.

Dr Sue Carthew (Applied & Molecular Ecology) has a grant to study the distribution and abundance of the Feather-tail Glider in South Australia, while Jonathan Codd (Environmental Biology) will research the conservation of the Myotis Bat along the River Murray.

The absence of rabbits and foxes on Kangaroo Island allows aspects of wildlife research that can not be undertaken on the mainland. Dr Peggy Rismiller (Anatomical Sciences) has achieved world fame for her research on echidnas, and she has now received a grant to study predation and population dynamics among Rosenberg's goannas, which are commonly seen there.

—Rob Morrison

## New tick imaging unit opens

A MAJOR component of the Ticks of the World project, run by two Adelaide University scientists, was opened recently.

A state-of-the-art imaging unit for the production of photo-micrographs of ticks, known as the Olympus Imaging Unit, was opened in the Department of Environmental Biology, located in the Benham Building.

The project is run by Dr Ross Andrews and Dr Trevor Petney, who are leading a worldwide effort to record and describe every known tick.

The equipment for the Olympus Imaging Unit was handed over at an official ceremony by Olympus Australia divisional manager Mr Brendan Nicholls.

Pictured at the opening were (back, from left) head of CSIRO's scientific and academic publishing Mr Kevin Jeans, head of Environmental Biology Professor Russell Baudinette, Executive Dean of the Faculty of Science Professor Alistair Blake, head of Research Division Ms Janet Dibb-Smith, Olympus Australia regional manager Mr Brendan Nicholls, (and front, from left) project coordinator Dr Ross Andrews and Deputy Vice-Chancellor (Research) Professor Edwina Cornish.

CSIRO Publishing, a major supporter of the project, is producing a multi-volume series of books and interactive CD-ROMs to help identify and characterise ticks around the world.

Mr Nicholls said Olympus Australia was proud to be playing its part in a project which had such worldwide significance.

"The equipment we've provided includes a digital image capture system, an image analysis system, a fluorescence compound and dissecting microscope coupled with the appropriate cameras set up in a dedicated room," Mr Nicholls said.

"Olympus very much embraces the concept of the marrying of industry and science, and we have a strong commitment to the ongoing development and resource allocation required to ensure the project is a success."

Professor Cornish said the project would be invaluable in addressing growing worldwide concern about the health threat posed by parasites.



"Ticks account for the deaths of hundreds of thousands of children every year through parasitic outbreaks, so this project will play a vital role in identifying and characterising ticks around the world," she said.

"This project will provide the most comprehensive body of information about ticks ever assembled, and will also result in Adelaide becoming the world centre for research into ticks."

Dr Andrews said in addition to the Imaging Unit, the first part of the Australian National Tick Collection has arrived from Canberra with the remainder of the collection expected soon from Brisbane.

"This collection, together with personal collections which will also be housed in a dedicated room, provide the basis for detailed studies on the taxonomy, ecology, distribution and medical and veterinary importance of ticks in Australia," he said.

"They have already been instrumental in helping to define range extensions in an Australian tick vector of disease.

"Furthermore, the collections form the foundation to establish, at Adelaide University, the International Tick Database."

Dr Andrews said the day to day work of the imaging unit will be carried out by Mr Bruce Dixon, formally a Scientific Adviser to the World Health Organisation on microscopy who has already produced the first photographs of ticks for publication.

—Ben Osborne



# East Timor conflict over language a worrying issue

CHOOSING an official language for East Timor was becoming a divisive issue in the newly independent nation, according to East Timor expert, Dr Geoffrey Hull.

Dr Hull, executive director of the Academy of East Timor Studies at the University of Western Sydney, told a public seminar at Adelaide University that the debate of language should be taken out of the political arena.

"The CNRT (the party headed by Xanana Gusmão which will soon be the government of East Timor) and the Church, which are very powerful institutions, are strongly in favour of reviving Portuguese as the official language," Dr Hull said.

"But some of the students are more in favour of Tetum, which is the principal of the 15 indigenous languages, becoming an official language—so much so they are demanding a plebiscite or popular consultation, similar to the one last year, where people choose an official language.

"The CNRT feels Tetum hasn't been developed enough to be elevated to the status of official

language."

The debate over Tetum and Portuguese was compounded by English gaining prominence, as well as many people having been forced to learn Indonesian during the 25 years of Indonesian rule.

"I think to make languages a divisive issue in East Timor is a very bad thing. Government and culture are not the same thing, they are on different levels, and I think they should be treated differently," Dr Hull said.

"One reason among many why I am personally opposed to this politicisation of the language is based on an economic argument.

"Small countries need many languages—the message I'm spreading in East Timor is that of inclusivism.

"For East Timor to be a viable sovereign state, it needs to capitalise on its resources, and one of its main resources is language.

"The ideal East Timor would have Portuguese and Tetum as co-official languages. It would keep English and Indonesian as utilities or second languages, and not official languages.

"Therefore, East Timor would be able to function properly in its region, it would be able to function internationally, it would still be in touch with the Portuguese-speaking world and its own past, and would still be in a position to make the most of its indigenous culture and develop it further.

"One of the greatest human resources of the Timorese is their linguistic skills. They learn other languages very quickly.

"So for a nation of people who are naturally good linguists to be wanting to exclude languages which may be of some use to them like Portuguese or Indonesian is just madness, because languages are one of the keys to their future prosperity.

"I think this language debate is really unfortunate, but it's a logical consequence, I suppose, of what has happened there socially and politically. People are trying to recover from a culture of bullying and exclusion in which force is the final arbiter in any dispute. My hope is that the younger generation can be soon re-educated in humanistic values so that they come to appreciate the pursuit of truth as more important than the quest for power. But

certainly the CNRT has a big moral responsibility to ensure that younger all Indonesian-educated people can learn or relearn Portuguese quickly and well enough to be able to make the same contribution to the workforce and national reconstruction that the older Portuguese-speaking people are now making."

\*The Academy of East Timor Studies, is coordinating the collection of quality reference books for the Xanana Gusmão Reading Room to be opened in Dili in mid 2000. Donations of books, audio and visual materials, journals and documents that will be of interest and use to the youth of East Timor are highly desired. Books in Tetum, Portuguese and English will be the most useful, but good literature in any language is welcome, especially in Indonesian, Spanish, Galician, Catalan, Italian and French, which many educated Timorese can read.

—Ben Osborne

For more information, contact Mr Justino Guterres at the Darwin office of the CNRT (Conselho Nacional da Resistência Timorense) on: 0408 849 370.

## Wizards are number one

A BOOK featuring prominent Adelaide University scientists is again top of the list for best-selling science books in Australia.

*Wizards of Oz*, written by science journalist Peter Spinks, reports key developments in a range of areas including palaeontology, physics, the earth sciences, astronomy, high technology and biotechnology.

It features Adelaide University scientists Associate Professor Mike Tyler (Environmental Biology) and Dr David Wiltshire (Physics & Mathematical Physics).

Published by Allen & Unwin, the book originally became the No.1 bestseller on *New Scientist's* list of popular science books in Australia in July last year.

It has remained on the bestseller list since then, and moved back to the No.1 position last month.

## Musician and designer

CENTRE for Aboriginal Studies in Music (CASM) student Micah Wenitong's artistic talents aren't strictly confined to playing the guitar.

The modest and unassuming 21-year-old has also been recognised for his artwork, after one of his paintings was chosen as the cover for the Adelaide University 2000 student diary.

Wilto Yerlo administrative coordinator Ms Kay Thompson said Micah had come to Adelaide University from Cairns to study for an Associate Diploma in Aboriginal Studies in Music, but had found art to also be a medium for expressing his ideas.

"Micah originally contacted the Union Studio at the University of Adelaide with a view to using the facilities on campus to work on his paintings," she said.

"Staff at the centre were very impressed with the standard of imaginative artworks being produced by Micah, and encouraged him to enter the diary competition.

"The prize money being offered was an encouragement, as Micah was keen to

buy a new guitar. The rest is history with Micah's painting being chosen as the winning entry and the diaries being produced proudly bearing Micah's artwork on the cover.

"The emphasis of Micah's painting is on growth with a continual flow of learning as depicted by the seedling emerging from a soil rich in essentials for education - knowledge, sharing and justice."

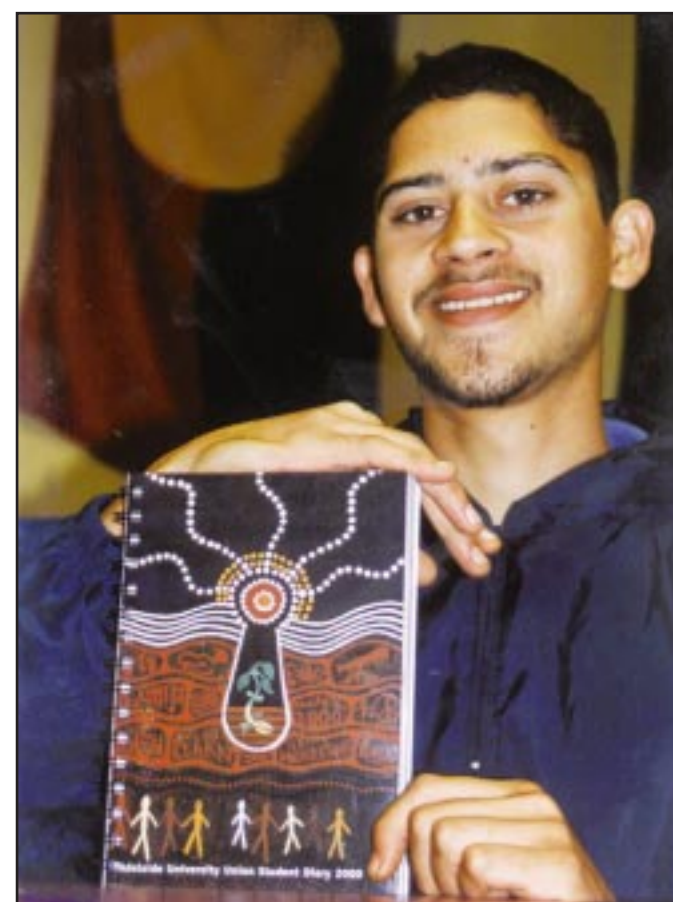
Winning the diary competition could be the start of something bigger for Micah, she said.

"Micah has continued to paint in his spare time as there has been an increasing number of staff and students interested in purchasing his work.

"He has also been asked to submit designs for artwork to be used on the Wilto Yerlo WebSite to be launched later this year at <[www.adelaide.edu.au/wilto\\_yerlo](http://www.adelaide.edu.au/wilto_yerlo)>."

Wilto Yerlo is the teaching, learning, research, access and support centre for Aboriginal and Torres Strait Islander students at Adelaide University.

—Ben Osborne



Micah Wenitong with his award-winning artwork on the Year 2000 Adelaide University diary. Photo: Ben Osborne.

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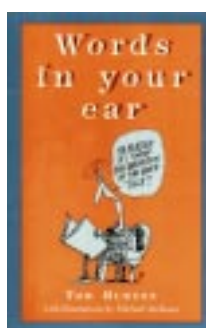
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## Wordmaster's welcome return



EVER wondered about the link between beavers and castor oil, or why the delightfully stupid word *sotship* has disappeared from use?

Adelaide University Reader in English Dr Tom Burton's latest book, *Words In Your Ear*, may be able to help.

The book takes a witty look at the meanings and origins of a wide selection of words and phrases, and follows in the success of his 1995 release *Words, Words, Words*.

The whole exercise is about words that are fun, according to Dr Burton.

"Long words Bother Me," said Winnie the Pooh: and they bother me, too—especially in the mouths of politicians and post-modernist bull artists," he said in the book's preface.

"But for most of us words are fun; and here are a few of my favourites."

The origin and derivations of commonly used words in today's English form the majority of *Words In Your Ear*, including admiration (which meant wonder or

amazement in the 16th and 17th centuries); and silly (which meant happy or blessed in Old English).

But other less frequently used words are also explained: sotship was used in English up until the 14th century, and means stupidity (from the French noun sot meaning fool or blockhead and with the English suffix of -ship).

According to Dr Burton, the link between beavers and castor oil isn't as tenuous as one might think: the Latin name for a beaver is castor, derived from castration, supposedly because of the excellent medicine called castoreum made from beavers' testicles.

But fear not: castor oil—although its taste does leave something to be desired—is not made up of castoreum. It is a pale yellow oil obtained from the seeds of the Palma Christi plant, and no-one is really sure where the name castor oil comes from.

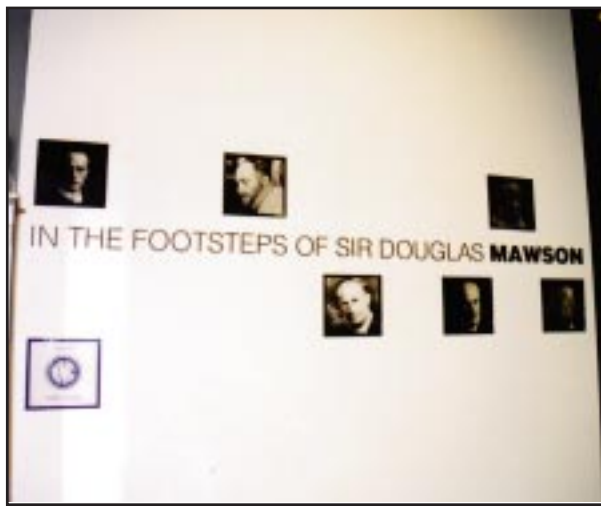
*Words In Your Ear* is published by Wakefield Press and has a recommended retail price of \$17.95. It also features cartoons by *The Advertiser's* political cartoonist Michael Atchison.

Wakefield Press has generously donated three copies of *Words In Your Ear* to be given away. Phone the Media, Marketing & Publications Unit during business hours to receive a free copy: 8303 5174. First three callers only.

—Ben Osborne



# Pictured: Mawson gallery opens at SA Museum



(Above) A balaclava to keep out the cold as worn by Mawson (below).

Mawson's great-grand-daughter, Amelia Thomas, and her mother Kathleen Cunningham view an interactive display at the Museum.



Sled dogs and images of Antarctica on show.

Ice and snow lined the entrance to the Museum for the launch.

## Help us to keep in touch

WE are currently working hard to update our database in the Alumni & Community Relations Office so we can keep in touch with you and as many of the University's students, graduates, staff, former staff members or friends as possible.

If you are a current student, graduate, former staff member or a friend of the University we would love to hear from you.

We would also like to make sure you receive complimentary copies of *Lumen*—Adelaide University's feature magazine. *Lumen* highlights the University's initiatives and successes and celebrates the work of its students, staff and graduates. Through *Lumen*, we hope to keep you better informed about developments within the University, those aspects of University life of particular interest to you, and to enable different groups to keep in touch with each other as well as with us.

It would be very helpful if you could spare a few moments to complete as much as possible of the attached form. Please also use this form to request information about Chapters or to suggest ways which you might like to offer help to us. If you know of anyone else who is a student, graduate, former staff member or friend of the University we would love to have their details too. Your input and support is critical to our future success.

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Institution	Qualification	Year of Graduation
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## ASQ 2000 concert series

THE Australian String Quartet's concert series for 2000 will be a blend of fine wine, food and music.

Based at Adelaide University, the ASQ has earned a reputation for world-class performances; last year's concerts sold out within weeks.

The 2000 series promises to be something special, with three concerts held at the Bridgewater Mill. A performance of some of the world's finest music will be followed by a three-course meal courtesy of the Mill's executive chef, Le Tu Thai. Wines will be provided by Petaluma.

The first concert for the year is on Sunday 30 April. "A Journey Through Europe" features works by Stravinsky, Debussy, Puccini's "Chrysanthemums" and Turina's "The Song of the Bullfighter".

Concert number two is on Sunday 3 September. "Schubert - the Incomparable Melodist" is a tribute to the composer's universally loved music. This single-work concert features one of the most esteemed of string quartets, the Quartet no 14 in D minor, known as "Death and the Maiden".

The final concert on Saturday 18 November is "Beethoven at Bridgewater", a gala evening showcasing the many aspects of Beethoven's genius. This concert will be a Black Tie dinner.

—David Ellis

For more information or bookings, contact the ASQ on 1800 040 444.

# Whitlam launches new Dunstan book

FORMER Prime Minister Gough Whitlam has officially launched a new book, *Don Dunstan: Politics & Passion - Selected Essays from the Adelaide Review*.

The book, published by Bookends Books, was edited by Mr John Spoehr, Executive Director of the Centre for Labour Research at Adelaide University.

Fifty essays written by Don Dunstan for the *Adelaide Review*, from September 1994 to January 1999, are included in the book, touching on a range of issues—State and Federal Politics, economic rationalism, social justice, Aboriginal land rights and many others.

Accompanying the articles are a myriad of photos taken throughout Don's public life, many of which have never been published before.

"Don Dunstan was a radical among reformers, a man of politics and a man of passion. This book celebrates his lifelong commitment to social and economic justice and reminds us that there is still much work to be done to achieve those objectives," Mr Spoehr said.

"As Don Dunstan approached the last months of his life he turned to thinking about how his death could make a difference. Don wanted his death to be useful, to heighten awareness about injustice and to motivate action to overcome it... 'There is still work to be done,' Don reminded us. Nowhere did he make this more clear than in his regular column for the *Adelaide Review*."

The book was launched at Charlick's Feed Store, Restaurant & Wine Bar on Sunday 2 April. Prior to the launch, Former Prime Minister Gough Whitlam was the guest speaker at a lunch to celebrate the book. Although a man of few words at the official launch, during the luncheon he spoke on a range of issues, including the Federal



Editor Mr John Spoehr with former Prime Minister Mr Gough Whitlam. Photo: David Ellis.

Government's recent stand on the stolen generation of Aboriginal children.

In his foreword to the book, Mr Whitlam wrote of Don Dunstan:

"The fact is that no one has done more to transform his own community and society and, by his example, the whole of Australia. He brought extraordinary joy, zest and style to the process.

"No mere list... can convey the full significance of his service to his State and to the nation as a whole. It is difficult to rekindle the brightness of the light which seemed to shine from Adelaide around Australia during the Dunstan years."

Bookends Books is a local publishing company specialising in South Australian history.

Publisher Mr Rob Scott paid tribute to Don Dunstan who, like Gough Whitlam, was one of Australia's greatest political figures, he said.

"Don was an inspiration for a political generation both locally and nationally, and after co-publishing a new edition of *Don Dunstan's Cookbook* shortly before he died, I was excited by the opportunity to publish this important body of his political opinion," he said.

More than 100 people attended the launch, including the Chairman of the Don Dunstan Foundation, the Hon. Mr Greg Crafter, Adelaide University Vice-Chancellor Professor Mary O'Kane, leader of the State Opposition the Hon. Mr Mike Rann, Don's partner, Mr Steven Cheng, and the editor of the *Adelaide Review*, Mr Christopher Pearson.

*Don Dunstan: Politics & Passion - Selected Essays from the Adelaide Review* is available from Bookend Books: (08) 8271 0050.

All royalties from the book are donated to the Don Dunstan Foundation.

—David Ellis

## 5UV scores in community radio survey

AN impressive showing in the latest community radio listenership survey has strengthened 5UV's case for a switch to the FM waveband.

The University radio station has emerged as the best known—and most commonly listened to—community radio outlet in Adelaide.

The survey by McGregor Tan Research found that 39% of respondents (equivalent to about 468,000 people) are aware of 5UV and 10% (120,000 people) listen to the station.

"The result is a pleasant surprise," said station manager Deb Welch.

"5UV is not about ratings. It's more about being diverse and experimental and offering an alternative than about being popular, so it's quite remarkable that we have this level of listenership.

"What's more remarkable is that we've been

able to achieve it despite having a comparatively low power and often poor-quality broadcast signal.

"It can be difficult to pick up the station clearly in many parts of Adelaide, where our core audience lives, although reception in many regional areas is good.

"This is why we've been campaigning for the Australian Broadcasting Authority to allow us convert to the FM waveband.

"The station clearly has the potential to attract even more listeners if reception in the metropolitan area can be improved."

Ms Welch said 5UV's audience figures compared well with those of 5AN and Radio National (as determined by the AC Nielsen survey of commercial and ABC radio).

She was particularly pleased with the number of people (60,000) who classed themselves as listening "attentively" to 5UV.

"We're not a background station: our program schedule includes one-hour talks and lectures, extended interviews and 'specialist' music programs. We believe people will stay tuned and listen rather than just have the radio on as background while they're doing something else."

Ms Welch said funding cuts of recent years had prompted 5UV to seek to broaden its audience, developing a style of programming that also attracted many people with no connection to University life.

"Our audience is people who are curious. They are people of all ages with a diverse range of interests. They're interested in learning and hearing new things, be it ideas, people or music.

"We bring them into positive contact with the University and all that the University represents."

—John Drislane

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Kentish cottage south of Tunbridge Wells. 4 br, 2 reception rms, study, 2 bathrms, fitted with all appliances/equip. Near train to London. Avail for 3 mths. AS\$3,000 p/m. Ph 44 1580 714 456, fax 44 1580 720 313.

**GLEN OSMOND:** 3 br, fully furn house. Close to transport and schools, walking distance to Waite. No pets; lawns mown. \$220 pw + bond. Ph 8379 4869.

**GRANGE:** Lge, comfortable, 3 br, furn home, Esplanade. Views, pleasant garden, all mod cons. Avail Sept - end Jan 01. Ph Dr Crocker 8302 0206 or 8235 1221 (h) or email: <robert.crocker@unisa.edu.au>.

## Adelaidean CLASSIFIEDS

**HACKNEY:** 3 br, 2 storey townhouse, lge yard, sep dining rm, garage, 6 mth lease only. \$270 pw. Ph Kathryn 8445 6650 or 0407 979 982.

**HOUSE SITTER:** Non smoking, working, very reliable, single woman available. Excellent University refs. Wills care for pets and garden. Ph (08) 8562 8167.

**NORTH ADELAIDE:** Fully furn, 4 br, security system. Walking distance to Uni and Hospital. Avail 1 May

(flexible lease period). Ph 8361 7275 or email: <walvyy@telstra.easymail.com.au>.

**SWITZERLAND:** Furn flat 4 km from Interlaken, on lake with view of Alps. 2 br, large lounge, can sleep up to 6. Avail for one week or more. Ph Liliane 8362 4243.

### FOR SALE

**BOOKS:** Brand new Economics/Accounting books heavily discounted. Call into the Clubs Association, Ground Floor, Lady Symon Building (inside the Sport

Association Office) or phone 8303 3410 or email: <vicki.kolberg@adelaide.edu.au>.

**DINNER SERVICE:** Royal Albert "Old English Garden" 48 piece bone China, as new. \$550. Ph 8265 4028.

**MAZDA ASTINA:** 1994, 5 door hatch, air cond, power windows, remote locking/ alarm, new tyres, 6 mths registration, dark green, immaculate cond. Optional purchase of Kenwood 10 stacker CD system. VOY 109. \$18,500 ono. Ph Chris 8303 6137.

**PIANO:** Russell, full iron frame, incl brown velvet stool, very good cond. \$900. Ph 8288 1034.

### MISCELLANEOUS

**CHILD CARE:** Reliable, refs avail, own transport. Ph Rebecca 8262 5134.

**CLEANER:** Experienced with excellent references avail. Ph Iris 8352 3353.

**RESEARCH PARTICIPANTS NEEDED:** By the Dept of Psychology for research into stress & headache. Participants will be compensated \$10. Ph Stuart Cathcart 8303 5849 or email: <uahms@hotmail.com>.

**WORD PROCESSING:** Formatting of WP on disk including IBM/PC and Mac. Ph Anne Every 8212 6869 or 8415 7866.



## Student Centre undergoes major transformation

Adelaide University's Student Centre has begun an 18-month program which will see it take on more services and responsibility for the university's 14,000 students.

Newly appointed manager of the Centre, Ms Karyn Paukkunen, said the program would see the Centre undergo a major transformation.

"Over the course of the next 18 months, the Student Centre will be providing students with more opportunities for self service, increased functionality and in general, improving the range and quality of services provided from a central core," she said.

"A new telecommunication system was implemented recently to rectify a number of communication issues, while in July, the Card Centre, which distributes student identification/concession/building access cards, will be physically located within the Student Centre in order to provide a more convenient and streamlined service for students."

Current services provided by the Centre include the receipt of tuition fees, IT Help

Desk, Desktop Support to assist students with computer problems and Internet access whereby students can access the University of Adelaide's web site and other sites relevant to their studies. The centre can provide information on entry requirements, course information, special access schemes, scholarships and guides to Faculty, Department and Service locations throughout the University.

"The next 18 months is going to be a very challenging and exciting time for the Student Centre in terms of getting internal processes and procedures in place, providing greater functionality and working alongside the Faculties, the Adelaide University Union and other support services in providing high quality student services. It's going to involve a lot of hard work, however, in the short space of two months since I joined the University, the team within the Student Centre have demonstrated that they are an enthusiastic, resourceful, driven and dedicated group of individuals. They are definitely the right people to meet all those challenges and to ensure the Centre is well placed for the future," Ms Paukkunen said.



The team at Adelaide University's Student Centre (from left) Allison Carr, manager Karyn Paukkunen, Meredith Nash, Brett Rutter, Karen Cunningham, Kylie Staines, Paola Mavrogiannis, and Eylsia Turcinovic. Absent were Peter Anastassi, Maree Anderson, Max Coffey and Kerry Awerbuch.

### MONDAY 10 APRIL

**11.00am Politics/Social Inquiry Seminar:** Prostitution in the Netherlands by Joyce Outshoorn (University of Leiden). Common Room, 4th Floor, Napier.

**12noon Labour Research Seminar:** Can labour rights be protected through Trade Agreements? by Prof Marjorie Griffin Cohen (Simon Fraser University, Vancouver). Seminar Room, Level 3, 10 Pulteney Street.

**1.00pm Microbiology & Immunology Seminar:** Eosinophils in health and disease by Dr Lindsay Dent (Microbiology & Immunology). Departmental Library, 5th Floor, Medical School South.

**1.00pm Clinical & Experimental Pharmacology Seminar:** Cyanobacterial toxins at the millennium: another year, another toxin by Dr A Humpage (Clinical & Experimental Pharmacology). Seminar Rm, Level 6, Medical School Nth.

**1.10pm History Staff/Postgraduate Seminar:** A Place in the Sun? Nazi foreign policy and Australia, 1933-1939 by Prof John Perkins (University of NSW). Common Room 420, 4th Floor, Napier.

**1.10pm Law Seminar:** Regulating Frankenstein by Robert Chalmers. Room 216 Ligertwood Building. Lunch will be provided.

**4.00pm Soil & Water Seminar:** Managing rootzone constraints to wheat production by Rohan Rainbow (PIRISA). Room 301, Prescott Building, Waite.

**6.30pm AIIA Talk:** Mad Cow Disease and Contemporary Europe by Assoc Prof J Perkins (University of NSW). Union Cinema, Level 5, Union House.

### TUESDAY 11 APRIL

**12noon Child Health Research Institute Seminar:** Regulation of Systematically Infused IGF-I Action in the Rat Intestine: A Role for Locally Expressed IGF-BPs? by Cheryl Shoubridge (PhD student). Seminar Room, 7th Floor, Rieger Building, WCH. Light refreshments provided by Amersham Pharmacia Biotech.

**3.15pm Anthropology Seminar:** Relationships on a Music Band: The South Australian Police Band by Simone Dennis (Anthropology). Room 722, 7th Floor, Napier Building.

## COMING EVENTS

April 10th — April 19th

### WEDNESDAY 12 APRIL

**10.10am Electrical & Electronic Engineering Seminar:** Micro-Electro-Mechanical Systems: ICs for Mechanical Devices by Dr Alan Wilson (Maritime Platform Division, Defence Science & Technology Organisation). Room EM212, New Engineering & Mathematics Building.

**12.10pm Recitals Australia 2000 Autumn Series:** Stephen van der Hoek - piano; Sonia Baldock - violin. Adults \$3/Concession \$1. Pilgrim Church, 12 Flinders Street, Adelaide.

**1.00pm Queen Elizabeth Hospital CDRC Seminar:** Identification of genes up-regulated in colon cancer using cDNA arrays by Dr Sally Stephenson (Haematology-Oncology Lab, TQEH). Maternity Lecture Theatre, 1st Floor, Maternity Building, TQEH. Bring your lunch.

**1.10pm Genetics Seminar:** Programmed cell death in Drosophila development by Dr Leonie Quinn. Seminar Room, Ground Floor, Fisher Building (southern entrance).

**1.10pm Geology & Geophysics Seminar:** Dating groundwaters in the arid zone of Australia by Dr Andrew Herczeg (CSIRO Land and Water). Mawson Lecture Theatre, Mawson Laboratories.

**4.00pm Physiology Seminar:** Guiding the peripheral nerve through the Eph/ephrin field by Dr Simon Koblar (Genetics). Seminar Room N416-417, Medical School North. Light refreshments afterwards.

**4.30pm Environmental Biology Seminar:** Luxury nutrient uptake sustains an algal bloom in the Torrens Lake by Assoc Professor George Ganf (Environmental Biology). Seminar Room, 4th Floor, Fisher Building.

### THURSDAY 13 APRIL

**12noon IMVS/HCCR Seminar:** Making a kidney: WT1 and other serendipity by Dr Melissa Little (Centre for

Molecular Biology, University of Queensland). Robson Theatre, Ground Floor, Eleanor Harrald Building, RAH.

**12.05pm Psychology Seminar:** Psycho-social support for breast cancer patient. Who wants a group(s)? by Dr Helen Winefield (Psychology). Room 527, Hughes Building.

**7.45pm Field Geology Club of SA Lecture:** Geology of Olary Region by Mr Colin Conor. Mawson Lecture Theatre, Mawson Laboratories.

### FRIDAY 14 APRIL

**10.00am Animal Science Seminar:** Final presentation by Haydn Kuchel (Honours student). Conference Room, Davies Building, Waite Campus.

**10.00am Social Inquiry Seminar:** Labour Studies - Provisioning Society: How Much Does the Market Produce? by Greg Ogle. 11.30am Gender Studies - topic to be announced by Chima Korieh. Seminar Room, Level 3, 10 Pulteney Street.

**1.00pm Asian Studies Seminar:** Tan Qian (1594-1658) and his Ming History (The Guoque) by Dr Carney Fisher. Room 518, Level 5, Ligertwood Building.

**1.10pm Elder Conservatorium Lunch Hour Concert:** Elder Conservatorium Symphony Orchestra, Eleonora Szczepanowski - violin, Nicholas Milton - conductor. Works by Wieniawski and Strauss. Admission \$3 at the door. Elder Hall.

### SUNDAY 16 APRIL

**7.30pm Jazz Series 2000:** Samba Suavé: A tribute to Antonio Carlos Jobim with Marcia Leone - lead vocals, Renato Leone - vocals/guitar, Tony Catalano - lead guitar, Steve Todd - percussion plus others. Tickets \$12/\$8 concession. Governor Hindmarsh Hotel, 59 Port Rd, Hindmarsh. Bookings/Enquiries: Margaret Reines 8303 4339.

### MONDAY 17 APRIL

**1.00pm Microbiology & Immunology Seminar:** The role of the carboxyl tail in the function of the skeletal muscle chloride channel CIC-1 by Dr Bernie Hughes (School of Pharmacy and Medical Sciences, University of SA). Library, 5th Floor, Medical School Sth.

**1.00pm Clinical & Experimental Pharmacology Seminar:** The influence of the genetic polymorphisms on oxidative drug metabolism by Janet Collier (Clinical & Experimental Pharmacology). Seminar Room, Level 6, Medical School, North.

**4.00pm IMVS/HCCR Seminar:** Leukocyte migration and new endothelial junction proteins by Professor Beat Imhof (University of Geneva). Robson Theatre, Grnd Flr, Eleanor Harrald Building, RAH.

### WEDNESDAY 19 APRIL

**12.10pm Recitals Australia 2000 Autumn Series:** Alexander Hanyasz - piano and Graeme Tyler - piano concerto; Rebecca Harris - cello. Adults \$3/Concession \$1. Pilgrim Church, 12 Flinders Street, Adelaide.

**12.30pm Clinical Nursing Seminar:** Defining mental health problems in rural and remote areas by Mr Jeff Fuller (Public Health), Ms Jane Edwards (School of Nursing & Midwifery), Drs Nicholas Procter & John Moss (UniSA). Room 36, Level 3, Eleanor Harrald Building, RAH.

**1.00pm Queen Elizabeth Hospital CDRC Seminar:** Cyanobacterial toxins at the millennium: another year, another toxin by Dr Andrew Humpage (Clinical & Experimental Pharmacology). Maternity Lecture Theatre, 1st Floor, Maternity Building, TQEH.

**1.10pm Horticulture, Viticulture & Oenology Seminar:** University of Adelaide GST implementation by Mr Martin Kusabs (Taxation Officer, Finance Branch). Plant Research Centre Auditorium, Waite Campus.

**4.00pm Physiology Seminar:** Postnatal development of respiratory control and the adrenal medulla in the rat by Dr Hans Holgert (Karolinska Institute, Sweden). Seminar Room N416-417, Medical School North. Light refreshments afterwards.



## SITUATIONS VACANT

For further information about the following vacancies please refer to Human Resources' Web page at <<http://www.adelaide.edu.au/HR/advpos.htm>> or the contact person named in the advertisement.

Please note that applications, in duplicate, addressing the selection criteria and quoting the relevant reference number should include names and full addresses of three referees. The address for applications is C/- the Department or Officer named in the advertisement. Selection criteria and applicable duty statements may be obtained from the contact officer named in the advertisement.

Applications for the following vacancy will be considered only from members of the staff of the University\*\*

### EMBRYOLOGIST

(Ref: 4071)

Department of Obstetrics and Gynaecology

Salary: HEO6 \$39,402 - \$42,664

This position is available from mid-May 2000 until 28 February 2001. Further information including the duty statement and selection criteria may be obtained from Rita Clayton, tel 8222 6788, fax 8222 7521 or email: <[rita.clayton@adelaide.edu.au](mailto:rita.clayton@adelaide.edu.au)>. Applications close 21 April 2000.

### MANAGER, STRATEGIC PLANNING

(Ref: 3665)

Office of the Vice-Chancellor

This continuing position is available from 1 June 2000. Further information, including duty statement and selection criteria, may be obtained from Ms Tupp Carmody, tel 8303 4194, fax 8303 4407 or email: <[tupp.carmody@adelaide.edu.au](mailto:tupp.carmody@adelaide.edu.au)>. Salary will be based on qualifications and experience. Applications close 24 April, 2000.

### DIRECTOR

(Ref: 3886)

Professional and Continuing Education

Salary: HEO10 \$61,141

This continuing position is available immediately. Further information is available from Gary Martin, tel 8303 5901. The selection criteria and duty statement may be obtained from Pammie Jandu, tel 8303 6478 or email: <[pammie.jandu@adelaide.edu.au](mailto:pammie.jandu@adelaide.edu.au)>. Applications close 19 April 2000.

### LIBRARY ASSISTANT (Orders)

(Ref: 8792)

University of Adelaide Library

Salary: HEO3 \$27,174 - \$30,979

This continuing position is available immediately. Further information regarding the position may be obtained from Jodie Ottewell, tel 8303 3984. The duty statement and selection criteria may be obtained from Tina Hardin, tel 8303 5370 or email: <[tina.hardin@adelaide.edu.au](mailto:tina.hardin@adelaide.edu.au)>. Applications close 17 April 2000.

\*\* includes only those persons who hold current written contracts of appointment with the University.

Applications for the following vacancies are not restricted to members of the University.

### GENERAL LIBRARY ASSISTANTS

(Refs: 6965, 9624, 10225, 10234)

University of Adelaide Library

Salary: HEO2 \$25, 815 - \$27, 445\*

\*Junior rates apply to those persons 20 years of age and under.

Positions 6965, 9624 and 10225 are continuing and position 10234 is available until 31 December 2000 as a replacement employee. Further information including the duty statement and selection criteria may be obtained from Tina Hardin, tel 8303 5370 or email: <[tina.hardin@adelaide.edu.au](mailto:tina.hardin@adelaide.edu.au)>. Applications close 17 April 2000.

### HUMAN RESOURCES DEADLINES FOR ADELAIDEAN

For the *Adelaidean* of 24 April 2000, advertising paper work must be received in Human Resources by 7 April 2000.

For the *Adelaidean* of 8 May 2000 advertising paper work must be received in Human Resources by 21 April 2000.

## GENERAL NOTICES

### Special Studies Program

Special Studies commencing in the period January-June 2001.

Applications are now invited for Special Studies commencing in the first half of 2001. Application forms may be obtained from Human Resources (ext 35666 or 35177) or through our Web page on <[http://www.adelaide.edu.au/HR/services/f\\_sspapp.htm](http://www.adelaide.edu.au/HR/services/f_sspapp.htm)> and should be returned to Human Resources through the Head of the Department no later than 12 May 2000.

Following a recent review of the SSP, the University has revised the rates of financial support for staff undertaking SSP activities from 2001 as follows:

1. Calculation of airfare assistance will be simplified and related more closely to the actual cost for the staff member and dependents, to provide reimbursement of the economy-class, advance-purchase return airfares up to a maximum figure as set out below for the staff member and each dependent charged an adult fare, with an appropriate fraction for dependent minors based on actual fares charged.

\* for travel to UK, Europe or North America up to \$2,800;

\* for travel to Asia, Africa or South America up to \$2,000;

\* for travel in Australia and the Pacific up to \$1,000.

2. The travel grant may be awarded once for each three years of employment and the present complexity under which a staff member elects to use a certain number of "fare days" will be eliminated.

3. The allowance as a cost of living subsidy will be doubled, i.e. based on 14.4% of the daily salary of a Level C at step 6 for travel in Australia or the Pacific.

The revised policy and associated documentation are available on the HR web page. The payment procedures with regard to taxation arrangements are currently under review and will be finalised shortly.

The supporting statement on page 6 of the application must be completed by the Head of the Department and Heads are reminded that in accordance with Paragraph 2.1.6 of the Special Studies Program Policy they are asked to comment specifically on both the academic justification for the programme and itinerary, and the implications in terms of the teaching, examining and administrative needs of the Department. All applications should be considered by the Departmental Committee before submission.

Under the terms of Paragraph 2.1 of the Policy all applicants will be required to justify the period of Special Studies sought, irrespective of the length of the period involved. Details can be obtained from Julie Raeck, ext 35177, Human Resources.

STEVE DAYSH  
General Manager  
Human Resources

### The Stephen Cole the Elder Prize for Excellence in Teaching 2000

The Stephen Cole the Elder Prizes for Excellence in Teaching recognise and reward outstanding teaching. The prizes are awarded annually to academic staff whose teaching is regarded by students and academic colleagues as being of excellent quality.

Applications are invited for the 2000 Stephen Cole the Elder Prizes for Excellence in Teaching at the University of Adelaide. Three prizes will be awarded for undergraduate teaching, one of which will be awarded to an applicant in the first five years of their teaching career, and one award will be made for postgraduate teaching. Each prize will consist of a monetary award of \$5,000 and a certificate presented at the appropriate commemoration ceremony. The prize money is to be used by the winners to help them with the further development of their teaching activities.

Each winner will be required to agree with the Deputy Vice-Chancellor (Education) on appropriate form of dissemination of their achievements in teaching (which might include a seminar, an article for the *Adelaidean* and/or a web-page article). Candidates with at least two years' service to the University in a teaching position are eligible for nomination by their students and academic colleagues. Teaching groups may also be nominated.

Nominations will be considered by a selection committee convened by the Deputy Vice-Chancellor (Education) and consisting of student and academic staff representatives.

Nominations are now sought for The Stephen Cole the Elder Prizes for Excellence in Teaching for 2000. Guidelines and nomination forms can be obtained from Marie Reitano, Office of the Deputy Vice-Chancellor (Education), Room G04, Mitchell Building, ext 35511, fax: 35150, email: <[marie.reitano@adelaide.edu.au](mailto:marie.reitano@adelaide.edu.au)> or downloaded from the Deputy Vice-Chancellor's web-site: <[http://www.adelaide.edu.au/DVC/quality/stephen\\_cole\\_prize.html](http://www.adelaide.edu.au/DVC/quality/stephen_cole_prize.html)>.

Nominations must reach the Office of the Deputy Vice-Chancellor (Education) by Monday 5 June 2000.

PENNY BOUMELHA  
Deputy Vice-Chancellor  
(Education)

### Missed the deadline?

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

### Car Parking

We have made the following arrangement at the Frome Street Car Park to assist with the occasions when on campus permit holders are unable to locate a parking space at North Terrace.

This is only to be used when there are no spaces available on campus. And there will be occasions when the Frome Street car park is full and are unable to offer a parking space.

#### The Procedure is:

After finding that there are no spaces on campus enter the Frome Street Car Park take a paper ticket to gain entry. Park the car above level 3. To leave; visit the car park office and return the paper ticket with name, department and permit. No written on it and identify yourself to the car park staff with your staff identity card to leave without payment. Failure to comply with any part of this procedure will result in the Frome Street car park staff requiring payment for the parking.

#### 2000 Parking Permits

We have processed all the renewal of parking permit applications and all permits should be issued excepting the people who have contacted me in the last week and have specific advice.

If you have not renewed your parking permit for 2000 please do so by lodging an application at <<http://www.psb.adelaide.edu.au/>> as soon as possible.

If you have lodged an application but not received your permit please contact Carl Bradney at ext 34673 or better by email at <[carl.bradney@adelaide.edu.au](mailto:carl.bradney@adelaide.edu.au)>.

The 1999 parking permits were no longer considered valid as of 7 April 2000 as detailed in the *Adelaidean* of 27 March 2000 and other notices. It is a parking permit holders responsibility to ensure that a renewal application is lodged. A renewal is required for all types of permits including Departmental and University Vehicle permits.



• Present an illustrated talk: Gardening the Mediterranean Way: Why Waste Water? by Heidi Gildemeister on 7 April 2000 at 8.00pm, Charles Hawker Conference Centre, Waite Campus. All welcome. Admission free. Bookings essential by Monday 3 April. Ms Gildemeister will be signing copies of her book *Mediterranean Gardening, a Waterwise Approach* on sale at the meeting.

• At 3.00pm on 6 April there will be a meeting to discuss forming a SA branch of the Mediterranean Garden Society, followed by a guided walk around the Arboretum. All welcome, free. Bookings essential by 3 April. Enquiries/bookings: 8303 7405.



## 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 contact the Evaluation Service Office, ext 33496/33023, for a copy of the package.

The SET package contains a User Manual, appropriate evaluation request forms, and some information concerning applications for promotion and tenure. The service is free of charge and is available to all teaching staff of the University.

Due to high demand for SET questionnaires, and to the fact that the Evaluation Service is currently staffed by one full-time person only, please send your evaluation request forms to the ACUE **at least four weeks prior to the planned date of your evaluation.**

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. 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 5 working days and a priority fee of \$75 charged.

## Women's Professional Development Network (WPDN)

The WPDN is a development initiative for all women general staff of Adelaide University. It focuses on issues affecting the professional and personal development needs of women general staff.

The WPDN runs a variety of activities including breakfasts, lunchtime speakers and workshops. For more information, visit our web site at:

<<http://www.adelaide.edu.au/wpdn>>

or contact Sam Jacob <[sam.jacob@adelaide.edu.au](mailto:sam.jacob@adelaide.edu.au)>, ext 34201, or Danielle Hopkins <[danielle.hopkins@adelaide.edu.au](mailto:danielle.hopkins@adelaide.edu.au)>, ext 33937.

### COMING EVENTS

#### Breakfast

- 8.00am on Friday 14 April and
- 8.00am on Tuesday 16 May at Cafe Buongiomos, Rundle Street.

#### Lunchtime Workshop

- Friday 5 May: How to host the perfect event without a murder: tips on how to cut corners and make organising an event easier. Our guest will be Margaret Terrell.

Free event of 1hr duration, bring your lunch. Venue is the Ira Raymond Room, Barr Smith Library, 12.30pm.

## Welcome in the new millennium with one of our dental care specials!

### Dental treatment for University staff and students

We are offering a very special rate for new patient checkups and scale and polish.

The Colgate Australian Clinical Dental Research Centre (CACDRC) is a state-of-the-art clinical research facility located in the Adelaide Dental Hospital building (adjacent to the Royal Adelaide Hospital) and is a unit of Adelaide University and the Dental School.

Emergency dental treatment and routine dental care is available at the CACDRC. In addition, specialist orthodontic and implant services are now available.

All patient treatment is carried out by qualified staff. Competitive rates and EFTPOS facilities are available. Concessions are also available for holders of University cards. Convenient public transport access is available.

**For further information, to book a tour of the Centre or to make an appointment for treatment, contact Lisa 8303 3437.**



THE UNIVERSITY  
OF ADELAIDE  
LIBRARY

## Barr Smith Library tours

Join a free 30 minute guided tour on the first Thursday of every month.

Ideal for staff, postgraduates or honours students unfamiliar with the layout, collections, resources and services of the Barr Smith Library.

RSVP to Jennifer Osborn (Reference Services). Maximum of 12 per group. Tel: 8303 3706 or email: <[jennifer.osborn@adelaide.edu.au](mailto:jennifer.osborn@adelaide.edu.au)>.

## Professional and Continuing Education Courses

Professional and Continuing Education is presenting the following professional development courses. The cost for Adelaide University staff for these one-day programs is \$208.

### Leading with Confidence

02PD1027  
Tuesday 11 April 2000

**Interpersonal Communication for Success**  
02PD1038  
Thursday 13 April 2000

### Strategic Thinking and Planning

02PD1020  
Tuesday 18 April 2000

**Managing Performance**  
02PD1024  
Wednesday 19 April 2000

**Project Management**  
02PD1017  
Monday 24 April 2000

Please contact Nadia Tarasenko on 8303 4777 to enrol or for further information.

## URRBRAE HOUSE HISTORIC PRECINCT AND FRIENDS OF URRBRAE HOUSE

### An afternoon of performing arts

Enjoy an afternoon of music, dance and drama. Rock'n'Roll, Modern & Flamenco Dance, Trad Jazz, Bands, Drama and Vocal Ensembles presented by a variety of Adelaide's local and amateur performers.

**Sunday 16 April 2000, 1.00pm - 5.00pm**, Urrbrae House Historic Precinct, Urrbrae House, Coach House, Arboretum and Gardens, Waite Campus (enter from Fullarton Road). Entrance is free. Afternoon tea, BBQ and bar facilities available for purchase

For further details telephone 8303 7497 or email: <[prowe@waite.adelaid.edu.au](mailto:prowe@waite.adelaid.edu.au)>.

## Preparing Your Teaching Portfolio

A Workshop presented by the Advisory Centre for University Education

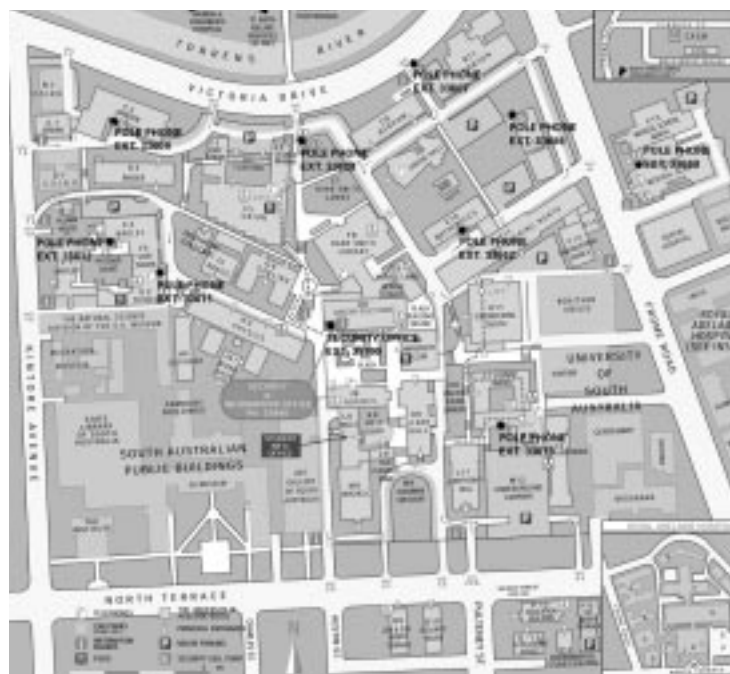
Teaching Portfolios are growing in use as a tool for gathering and presenting evidence of teaching in applications for promotion, for teaching awards (such as The Stephen Cole the Elder Prize for Excellence in Teaching) and for Departmental Teaching Awards.

In this workshop, portfolios will be explained and strategies considered for their preparation and use. Staff considering making an application now, or in the future, for promotion, for an award, or who are interested in ways of documenting their achievements for other purposes will find this short activity helpful.

**Workshop Leader:** Associate Professor Bob Cannon  
**Date and Time:** Workshop 1 - Tuesday 2 May 2000, 1.10 - 2.10pm, Room 305, Level 3, Schulz Building  
Workshop 2 - Tuesday 1 August 2000, 1.10 - 2.10pm, ACUE, Level 2, Schulz Building.

OR

Please enrol by telephoning 8303 5771 or email: <[lynne.bradshaw@adelaide.edu.au](mailto:lynne.bradshaw@adelaide.edu.au)>.



## Security Awareness

### EMERGENCY PHONES

Emergency phones are strategically located about the North Terrace Campus, refer to the map above for locations. The phones are operated by pushing the red button which connects the user to the Security Services Emergency Phone. The location of the user is immediately identified by Security. All staff and students are encouraged to make themselves and others aware of the location of emergency phones.

### OFFICE THEFTS

Again this avoidable crime is on the increase. Staff are encouraged to be vigilant and report any suspect behaviour immediately to Security Control by calling ext 35990. Always lock your room when not in use and secure your personal belongings. Remember your Security Service needs your assistance to be effective.

BEVAN HUMPHRYS  
Security Services

## Postgraduate Student Prize

The Royal Society of South Australia is seeking postgraduate students from a variety of disciplines to present their work in a short seminar (12 mins) to the Society. As an incentive, a prize is being offered for the best presentation given in 2000. The presentations will be judged by a panel of Society members.

### The Prize

- \$300
- A year's subscription to the Society (includes membership and the Society's periodical, The Transactions of the Royal Society of South Australia)
- Two tickets to the Society's Soiree in October where the prize will be presented
- The opportunity to publish your abstract in the Society's refereed journal.

### Experience

Benefit from the experience of giving a short

seminar to a different audience. Sharpen up your presentation skills.

### Who can present?

Students conducting research in any of the following general disciplines are encouraged to present:

Botany, Zoology, Geology, Geophysics, Soil Science, Plant Science, Ecology, Systematics, Crop Protection, Natural Resource Management, Environmental Studies, Comparative Anatomy, Paleontology.

### How to apply

To be considered, send a title and short abstract of your project with your contact details in the body of an email to <[royalsoca@hotmail.com](mailto:royalsoca@hotmail.com)> or by mail to: Postgraduate Prize, c/- Royal Society of South Australia, South Australian Museum, North Terrace, Adelaide SA 5000.

**Applications close on Friday 14 April 2000.**



# Research Branch update: ARC, SPIRT grants and the GST

## AUSTRALIAN RESEARCH COUNCIL (ARC) GRANTS FOR 2001

### *Strategic Partnerships with Industry-Research and Training (SPIRT) Scheme*

This scheme is designed to encourage and develop long-term strategic alliances between higher education institutions and industry, to provide industry-oriented research training for postgraduate research students and to foster opportunities for postdoctoral researchers to pursue internationally competitive research in collaboration with industry.

Application forms and guidelines for funding in 2001 are now available from the Research Branch web site. Applications close with the Research Branch on Wednesday 26 April.

### *Research Infrastructure Equipment and Facilities Scheme*

Intending applicants for funding under the

RIEF scheme in 2001 are required to submit a draft application by Friday 28 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 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.

The application form and guidelines, and a report on the allocation of grants for 1999, 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 \$20 million will be available through the program in 2001. Funding is for one year only.

### SMALL GRANTS SCHEME 2001

The ARC Small Grants Scheme has been discontinued under the provisions of the White Paper on Research and Research Training. The funding previously allocated to this scheme together with the Research Quantum will be absorbed into the new Institutional Grants Scheme. Consideration is being given to whether the University will conduct its own Small Grants Scheme for funding in 2001 and, if so, in what form. Information about the outcome of these deliberations will be provided as soon as possible.

## RESEARCH AND THE GST

A session on the vital and complex topic of Research and the GST has been scheduled in the weekly seminar series conducted by the Department of Geology and Geophysics and all researchers are welcome and urged to attend. The session will be held in the Mawson Lecture Theatre, Mawson Building at 1.10pm on Wednesday 3 May. In the meantime, you should ensure that you make provision for the impact of the GST in any grant applications you submit unless the guidelines for the scheme specifically advise otherwise. Present advice is that the University will be required to pay GST amounting to one-eleventh of the total funds awarded on all research grants received after 1 July 2000.

Research Branch web site:  
[www.adelaide.edu.au/RB/](http://www.adelaide.edu.au/RB/)

## RESEARCH AND SCHOLARSHIPS AND OTHER FUNDING SCHEMES

### Research Grants & Fellowships

The following is a list of grant, fellowship and other research funding schemes currently available for application. A more detailed electronic version of this listing (Update: Research), together with guidelines and application forms for some of the major schemes, are available at: <http://www.adelaide.edu.au/RB/>. For hard copy application forms and guidelines for the funding schemes listed below, contact the Research Branch, ext 35137; or email [renae.minerds@adelaide.edu.au](mailto:renae.minerds@adelaide.edu.au).

**Sponsored Programs Information Network (SPIN):** SPIN Australia - A database containing current and comprehensive information on over 2,600 government and private funding opportunities. The SPIN web site is accessible via the Research Branch web site.

**Ian Potter Foundation and Ian Potter Cultural Trust - Grants/Travel Grants:** Various closing dates. Note: Travel Grant Applications must be submitted at least 4 months before travel. Web site: <http://www.ianpotter.org.au>.

**Rural Industries Research & Development Corporation (RIRDC) - Conference & Workshop Travel Support Program:** Applications will be accepted throughout the year but must be received by the Corporation at least three months prior to the planned travel date. Web site: <http://www.rirdc.gov.au>.

**Commonwealth Department of Health and Aged Care - Applications Sought for Community Grants:** Internal closing date: 10 April 2000. Web site: [www.health.gov.au/pubhlth/strateg/childnutrition/](http://www.health.gov.au/pubhlth/strateg/childnutrition/).

**Australian Greenhouse Office - Renewable Energy Commercialisation Program Round 4:** Internal closing date: 11 April 2000. Web site: <http://www.greenhouse.gov.au/renewable>.

**National Institute of Neurological Disorders and Stroke, USA/ National Institute of Diabetes and Digestive and Kidney Diseases, USA/Juvenile Diabetes Foundation International - Neurobiology of Diabetic Complications:** Internal closing date: 11 April 2000. Web site: <http://www.grants.nih.gov/grants/guide/rfa-files/RFA-NS-00-002.html>.

**NSW Environment Protection Authority - Community Waste Reduction Grants Program:** Internal closing date: 11 April 2000. Web site: <http://www.epa.nsw.gov.au/waste>.

**Office of Dietary Supplements, USA / National Center for Complementary and Alternative; Medicine, USA / Fogarty International Center, USA / National Cancer Institute, USA / National; Heart, Lung, and Blood Institute, USA / National Institute of General Medical Sciences, USA / National Institute of Diabetes and Digestive and Kidney Diseases, USA / National Institute on Aging, USA / National Institute on Drug Abuse, USA / National Institute of Environmental and Health Sciences, USA / Office of Research on Women's Health, USA - Centers for Dietary Supplement Research: Botanicals:** Internal closing date: 11 April 2000. Web site: <http://www.grants.nih.gov/grants/guide/rfa-files/RFA-OD-00-004.html>.

**National Institute of Environmental Health Sciences, USA / National Institute on Aging, USA / National Institute of Arthritis and Musculoskeletal and Skin Diseases, USA / National Institute of Child Health and Human Development, USA / National Institute of Mental Health, USA / National Institute for Occupational Safety and Health, USA, / Office of Behavioural and Social Sciences Research, USA - Health Disparities: Linking Biological and Behavioural Mechanisms with Social and Physical Environments:** Internal closing date: 12 April 2000. Web site: <http://www.grants.nih.gov/grants/guide/rfa-files/RFA-ES-00-004.html>.

**The Wellcome Trust - Overseas Senior Research Fellowships in Biomedical Science:** Internal closing date: 14 April 2000. Web site: <http://www.wellcome.ac.uk>.

**National Cancer Institute, USA / National Institute of Dental and Craniofacial Research: Models for HIV Disease and AIDS-Related Malignancies:** Internal closing dates: 17 April, 18 August & 19 December 2000. Web site: <http://www.grants.nih.gov/grants/guide/pa-files/PA-99-042.html>.

**National Institute of Allergy & Infectious Diseases, USA - Laboratory Methods to Assess Responses to HIV Vaccine Candidates:** Internal closing dates: 17 April, 18 August & 22 December 2000. Web site: <http://www.grants.nih.gov/grants/guide/pa-files/PA-99-044.html>.

**National Institute of Neurological Disorders and Stroke, USA / National Institute of Mental Health, USA / National Institute on Drug Abuse, USA / National Institute on Aging, USA - Mechanisms in HIV Dementia and**

**Other CNS Diseases:** Internal closing dates: 17 April, 18 August and 18 December 2000. Web site: <http://www.grants.nih.gov/grants/guide/pa-files/PAS-00-065.html>.

**NHMRC - Program in Medical Genomics:** Internal closing date: 18 April 2000. Details: <http://www.health.gov.au/nhmrc/research/2000/desc2000.pdf>. Proforma: <http://www.nhmrc.health.gov.au/research/contents.htm>.

**National Institute of Child Health and Human Development, USA - Genetic Disorders Causing Mental Retardation:** Internal closing dates: Various. Web site: <http://www.grants.nih.gov/grants/guide/1994/94.02.18/pa-genetic-disorders009.html>.

**The George Alexander Foundation - Grants:** Internal closing dates: 20 April, 25 July and 23 October 2000. Web site: <http://www.gafoundation.org.au>.

**Emergency Management Australia - Australian Disaster Research Grants:** Internal closing date: 20 April 2000. Web site: <http://www.ema.gov.au/ausgrants.htm>.

**National Health and Medical Research Council - R Douglas Wright Award:** Internal closing date: 20 April 2000

**National Institute of Child Health and Human Development, USA / Office of Research on Women's Health, USA - Pathophysiology, Epidemiology and Treatment of Vulvodynia:** Internal closing date: 20 April 2000. Web site: <http://www.grants.nih.gov/grants/guide/rfa-files/RFA-HD-00-008.html>.

**National Library of Australia - Harold White Fellowships:** Internal closing date: 20 April 2000.

**Primary Industries and Resources SA - The AW Howard Memorial Trust Travel Grants:** Internal closing date: 20 April 2000.

**Sylvia and Charles Viertel Charitable Foundation - Applications for 2000 - 2001**

- Senior Medical Research Fellowships
- Establishment Grants for Viertel Clinical Investigators

Internal closing date: 20 April 2000

**Anti-Cancer Foundation of Australia - Research Grants:** Internal closing date: 27 April 2000

**Radiological Society of North America - Research and Education Foundation - Seed Grants:** Internal closing dates: 1 May & 1 September 2000. Web site: <http://www.rsna.org>.

**Australian Academy of Science - Rudi Lemberg Travelling Fellowship:** Internal closing date: 5 May 2000. Web site:

<http://www.science.org.au/awards/lemborg.htm>.

**Parke Davis/Pfizer - Cardio Vascular Lipid Research Grants:** Internal closing date: 5 May 2000. Web site: <http://www.cvlgrants.com.au>.

**National Heritage Trust, Coasts and Clean Seas - Funding for Environmental Projects 2000-2001:** Internal closing date: 11 May 2000. Web site: <http://www.environment.gov.au/net/ccs.html>.

### Scholarships

Unless otherwise indicated, further information and application forms are available from the Student Centre, Level 4, Wills Building. Please lodge all applications with the Student Centre unless otherwise stated.

**AFUW - ACT Bursary :** Offers free board and lodging at Ursula College, ANU for up to four weeks, to a woman graduate or honours student from a tertiary institution in Australia, NZ, PNG or South Pacific countries. Open to women of any age wishing to carry out a short project, in any field, that requires a short stay in Canberra. Closing: 31 July (ACT)

**Apex Foundation for Research into Intellectual Disabilities Ltd Undergraduate Studentships:** Open to undergraduates preparing a thesis as part of their studies. The thesis must be related to intellectual disability. Value: \$1000. Details available on request. Closing: 31 May 2000 (Vic)

**Australian Housing Institute Research Bursary:** Value: \$3000. Open to individuals pursuing private study into the housing industry. Only private research projects voluntarily pursued as part of a formal course of study leading to a formal award are eligible. Enquiries may be made to The Executive Officer, email: [aushouse@tpgi.com.au](mailto:aushouse@tpgi.com.au), ph: (07) 3256 0202, fax: (07) 3256 0338. Closing: 5 May (Qld)

**British Federation of University Women:** A booklet providing details of awards provided by the Federation is available on request to the Student Centre.

**Hungarian Government Scholarship 2000/2001:** Available for up to 24 months per academic year. Open to Australian citizens. Value: placement, tuition, accommodation, emergency and basic health cover, 18000ft monthly allowance. Closing: 14 April (ACT)