

## Drug study says punishment has gone to pot

LEGALISATION of marijuana and taxing its sale would lead to less Australians using the drug, according to new research at Adelaide University.

Dr Jenny Williams, a lecturer with the University's School of Economics, conducted a study called *The Effects of Price and Policy on Cannabis Use: What can be Learned from the Australian Experience?*

Her findings—presented this month at the annual conference of the Southern Economic Association in Washington, DC—showed that the cost of marijuana, not the legal punishment for marijuana offences, is the real key to reducing the amount of the drug used by Australians.

The study delved into Australians' participation in cannabis use and the frequency of usage, as well as the potential impact of cost and criminal justice policies.

While the study found that criminal justice measures, such as fines and prison sentences, deter some Australians from using marijuana, such measures have very little impact on the frequency and amount of marijuana used by those who choose to do so.

It found that an increase in the price of high-quality cannabis from A\$32 to A\$38 per gram would reduce the overall proportion of users by 16%, and the proportion of weekly users by 23%.

In contrast, the study showed that increasing the length of prison sentence for possession of a gram of cannabis from one to two years would reduce the proportion of cannabis users by only 3%, and reduce the proportion of weekly users by only 2%. (In 1998, two years was the maximum jail sentence for a first offense for possession of one gram of cannabis



in New South Wales, Queensland, Western Australia and Tasmania.)

"There is strong evidence to show that marijuana demand is price responsive and that frequency of use is more responsive to price than fines or jail sentences. Therefore price is likely to be a more effective instrument for reducing the overall demand for marijuana than the criminal justice system," Dr Williams said.

"Based on these findings, I believe policy makers should consider the legalisation of marijuana use and taxing marijuana sales as an alternative to criminal justice sanctions on marijuana."

While removing criminal sanctions on the possession and cultivation of marijuana would slightly increase the prevalence of its use, governments could expect to significantly reduce cannabis consumption by taxing sales, Dr Williams said.

Her findings are particularly relevant in Australia, where a "harm minimisation" approach has been

adopted by the Council of Australian Governments (COAG). The centrepiece of the COAG initiatives is the Illicit Drugs Diversion Strategy (at a cost of \$111.5 million), that will see many drug offenders being moved into treatment and assessment and diverted from the criminal justice system.

"Given the move away from using the criminal justice system for deterring use, this study provides a practical alternative," Dr Williams said.

"Moreover, because heavy users—with whom the greatest harm is associated—are price responsive, using the price system provides a means to the Government of reducing the prevalence of heavy drug users, and therefore the harmful consequences of drug abuse."

Dr Williams's findings follow a recent ruling by the Ontario Court of Appeal in Canada that it is unconstitutional for individuals to be denied the right to possess cannabis.

Dr Williams said her research had shed some light on policy alternatives available to the Canadian government, and to other governments wanting to reduce marijuana consumption among the population.

The legalisation of marijuana has many implications other than the amount used. One of the major issues to consider is children's access to marijuana.

Dr Williams said regulated sales of marijuana could result in less school children using the drug, if governments imposed similar legal age of purchase restrictions to those of cigarettes and alcohol.

"There is no evidence that prohibition of marijuana decreases youth access to the drug," Dr Williams said.

*Continued Page 4*

### Who's using?

THE report by Dr Jenny Williams highlights some interesting facts about those who do, and do not, use marijuana. These figures are based on the probability of marijuana use within the last 12 months.

#### AGE

- the probability of cannabis use peaks in the 20-24 age group, and declines thereafter.

#### SEX

- men are more likely to use cannabis than women.

#### MARITAL STATUS

- single people are more likely to use cannabis (30%), followed by divorcees (15%), with married people least likely to use pot (8%).

#### LOCATION

- people living in capital cities are more likely to use cannabis.

#### EDUCATION

- the highest use group is those who are still at school (22%), followed by those who have a Year 12 education (20%), a TAFE education (15%), a university degree (13%) and those who have an education at Year 10 level (12%).

#### EMPLOYMENT

- unemployed people are most likely to use cannabis (33%), followed by full-time workers (17%), and part-time workers (15%);
- retirees and people who report "home duties" as their main activity are the least likely to have used cannabis in the last 12 months (6%).

## INVITATION

The Vice-Chancellor  
Professor Mary O'Kane

invites Staff, Alumni and friends of the  
University to the

### Adelaide University Town and Gown Party

to celebrate the University's 126th year  
the Festive Season  
and the end of the Academic Year

at Goodman Crescent Lawns  
(in front of Elder Hall)  
on Friday 8 December 2000  
from 4.30pm to 7.00pm

RSVP essential by  
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## Shapcott wins Patrick White award

THE PROFESSOR of Creative Writing at Adelaide University's English Department, Tom Shapcott, is the recipient of the \$20,000 Patrick White Literary Award for 2000.

White, who died in 1990 and is regarded as one of Australia's greatest authors, started the annual award in 1974 using money from his Nobel Prize for literature.

The Patrick White award goes to a writer whose work is deemed not to have received the critical acclaim or the financial rewards it deserves, with previous winners including Thea Astley and Bruce Dawe.

Professor Shapcott, who has published in the fields of poetry, fiction (novel, short story, children's), non-fiction, drama and radio, said he was honoured to receive the award.

"There was no competition and no entries—all you get is a phone call telling you you've won, which is quite a pleasant surprise," he said.

Professor Shapcott said his association with

White goes back much further than receiving the award.

"I published a small, private collection of poetry in 1972, and shortly after he wrote to me to order a copy of it.

"We exchanged the occasional letter and during my time as director of the literature board (from 1983 to 1990), we had the occasional phone call as well.

"I don't know what he thought of my work, because he wasn't the sort of man to pat you on the head and say well done—he wasn't that sort of man at all!"

Professor Shapcott has produced 15 collections of poetry, with his most recent collection, entitled *Chekhov's Mongoose*, being published in October. He has also written six novels.

He was appointed as the inaugural Professor of Creative Writing at Adelaide in 1997, after holding the position of executive director of the former National Book Council between 1992 and 1997.

—Ben Osborne

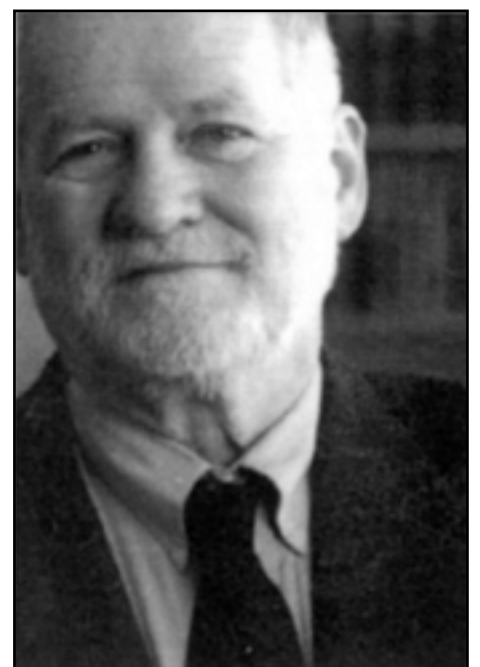


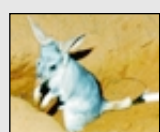
Image of Professor Shapcott from his new book, *Chekhov's Mongoose*.

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# INTERVIEW

## SCIENCE MEETS PARLIAMENT

As October turned into November, the Federation of Australian Scientific and Technological Societies (FASTS) held its Science Meets Parliament Day. Extending over the two days of 31 October and 1 November, this is the second time the event has been held.

It was prompted by concerns that parliament, with few politicians having any science background, is remote from the concerns of scientists and inadequately informed of the achievements and potential of Australian science and technology.

Australian scientists have also been accused of being poor at the process of lobbying for their science, setting it at a disadvantage when compared with the interests of other more proactive groups.

Science Meets Parliament brings scientists and federal politicians together. This year, a number of Adelaide University academics were involved. The Adelaidean's science journalist, Dr Rob Morrison, sought impressions of how the day had gone from Associate Professor Andy Austin and from Mr Toss Gascoigne, CEO of FASTS and organiser of the event.

What was involved?

**TG:** Our office had to recruit 185 scientists, recruit as many MPs as possible, organise meeting times, match up the two sides, and inform each other of what was happening. We collected brief CVs from scientists, and organised the briefing day, including a televised address by Dr Neal Lane [the Science Adviser to President Bill Clinton] as well as talks by three MPs, two chiefs of staff, the Chief Scientist and so on.

Then there was a cocktail reception for 300 that night. On Wednesday we organised a breakfast venue, issued a series of media releases, put on a media conference at Parliament House that morning, organised morning teas for the Minister. There was also a feedback session at lunch time that day.

**AA:** It was most impressive. I thought it was successful for several reasons. One was the recent Batterham report, *A Chance to Change*, which argues for better treatment of R&D in Australia and which will go to cabinet. Rather than general statements, this report includes a series of hard-nosed recommendations, such as doubling the ARC funds, improving university research infrastructure, developing career structures for young scientists, better HECS treatment for science teachers and so on. We had these recommendations to hammer home,

and we could discuss the ramifications of not dealing with them.

Parliament is now starting to notice the scientists who come, who say "we're here, this is what we're doing." It is not done self-indulgently, it is to show how research is linked to the future of Australia and to environmental sustainability.

How are the meetings with politicians organised?

**TG:** We go in with a handful of issues, and the conversation will swing round these, the work of the scientists and the interests of the MPs. This year the two reports [Batterham and ISIG] provided an extra focus, because the Government is considering those now.

Compared with last year, politicians were more relaxed about the meetings, and very ready to meet with a couple of scientists. It is essentially a communication-building exercise, and we don't expect that to end with the visit. We are suggesting that the scientists invite politicians out to inspect labs, experimental sites, places where you wear gumboots or labcoats rather than grey suits.

**AA:** We were placed in groups of two or three scientists with the same number of politicians. The two in our group were both from South Australia, and we were able to talk about the CRC for Vertebrate Pest Control, for example, the research going on in controlling rabbits and locusts, in which this country leads the world.

What impact did Dr Neal Lane's talk have?

**AA:** One thing that Neal Lane pushed was that the Americans take the view that, irrespective of how or where science is funded, whatever money is put into scientific research is returned several fold. It might be some way down the track, but he believes that you can't take the short-term view of backing only 'applied' science. You can't predict where the benefits will come from, therefore R&D is supported very broadly, with the expectation that the benefits will come at some time in the future.

Scientists are sometimes said to be the victims of their own stereotype; the eccentric, vague, wild-haired, unworldly genius. It doesn't help when you are trying to convey a serious message.

**AA:** You had to be there to see the exact opposite of the stereotypes. The scientists gave the impression of being very much on the ball; science businessmen. The stereotype is manufactured by the media, which then cottons



Parliament House, Canberra.

on to it and promotes it. We need to be seen as being at the top end.

They are also accused of having been very poor at lobbying for their science. Barry Jones made that point some years ago, when he argued for better R&D resources. What was the award you gave him this year?

**TG:** The wording was: "For distinguished service to the nation through tireless advocacy of science and technology in the Parliament of Australia 1977 to 1998."

"A special award to Hon Barry Owen Jones AO. Awarded on behalf of 60,000 appreciative scientists and technologists by FASTS, the Federation of Australian Scientific and Technological Societies."

What evidence have you that this event is changing the way that politicians view science and scientists?

**TG:** We assess feedback from participants and politicians, the fact that the meetings frequently last longer than scheduled, and the follow-up actions they trigger.

**AA:** I have no doubt of it, and others said so as well. I'm sure that we can all do even better, but this was a good start, and it should improve each year. We would expect an announcement on Batterham early in the new

“Irrespective of how or where science is funded, whatever money is put into scientific research is returned several fold.”

year. That will be the ultimate test in the short term.

I was heartened. I'll not jump up and down until I see the dollars, but through these meetings with senior politicians, I believe that they saw the point, and that they will look seriously at Batterham and see the consequences of not funding science beyond current levels.

Ostensibly, the day is for changing the attitude of politicians. How much is it also to change the attitude of scientists in lobbying, making their case clear and so on?

**TG:** Scientists learn a lot in just walking through the corridors of Parliament House. They learn to modify their messages to meet the concerns of the other side; to couch their case in positive terms, and to be brief and to the point to meet the crowded world of the MP.

**AA:** As university academics, we are all much more aware of our obligations to lobby on behalf of our science.

## Adelaidean

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## LETTERS

### TO THE EDITOR

### Thank You



I am a Senior Citizen and recently had a fall in North Terrace, near Adelaide University. I am so grateful for the kindness of two young ladies, students of the University. One called the ambulance and the other sat on the footpath comforting me till the ambulance arrived.

I have no address or phone number to thank them personally, but felt I had to do something, hence this note.

Young people today often are under criticism for lack of thought and responsibility. I definitely disagree with that.

Mrs J Watt  
Hazelwood Park

### EB Voice for the Majority?



Like the majority of Adelaide University staff, I am concerned about the events surrounding the

narrowly averted strike that was to have taken place on Thursday 9 November.

It is disturbing that staff intending not to strike had to sign a form to retain their pay due to the quaint intricacies of Australian industrial relations laws. This situation would have been unfair and inequitable for the following reasons:

1. Less than 50% of University staff belong to the NTEU. By choosing not to belong to the union, because NTEU does not represent the interests of the majority of University staff, we are penalised in these situations.

2. Less than 70 staff voted to reject the University's last enterprise bargaining offer and a mere 120 voted on the strike action. While their motives may or may not be laudable, this can hardly be regarded as representative of views the staff of the University.

3. The reasons for rejection of the University's enterprise bargaining offer, including appointment of Department heads, has been very poorly articulated by the NTEU. For that matter the University's explanation has not been explicit on some points. Clearly a more informed flow of information is required for staff

to make the correct decisions.

These observations clearly indicate that the majority of Adelaide University staff have been disenfranchised from the current round of enterprise bargaining. Therefore, I would like to propose the following alternative. That is, in addition to the NTEU, other University staff groups should be represented at enterprise bargaining discussions either as observers or preferably with voting rights. This is because there are at least four different staff groups in the University with somewhat differing concerns and aspirations. The primary groups are: 1. Faculty/lecturing, 2. Research, 3. Administrative and 4. General staff. The representatives for each group could easily be elected via the web and more importantly inform their constituents of the progress of enterprise bargaining negotiations. All that would be required would be to set up and maintain the appropriate email lists for each grouping.

In this way, ownership of the negotiations for our salaries and conditions would be returned to the majority of Adelaide University staff.

Dr Evan Evans  
Department of Plant Science



# SA Youth Awards Showcase

THE GREAT achievements of young South Australians are set to be recognised by a new series of awards.

The SA Youth Awards Showcase, launched this month by the Minister for Youth, Mr Mark Brindal, include nine awards in different categories sponsored by industry, the State Government and Adelaide University.

An initiative of Paradise Community Services, the awards aim to identify young South Australians between the ages of five and 25 who have already demonstrated their achievements by becoming a finalist in one of the many other awards available to young people in the State.

The SA Youth Awards Showcase takes into account young people who have been nominated as finalists in awards up until December 31, 2001. In selecting a winner for each category, the judges are not bound to select entrants who have previously won another award. All young people who have reached the finals of another award are equally eligible.

The categories are:

**Adelaide University Leadership Award**—demonstrating significant contributions as a leader in any sphere of activity within the community.

**Caddle Crash Sports Award**—demonstrating significant contributions in any field of sport.



Mark Brindal launches the SA Youth Awards. Photo: David Ellis.

**Coles Achievement Award**—demonstrating significant contributions in either education or the arts for personal advancement or the advancement of others.

**ETSA Utilities Community & Service Award**—demonstrating significant contributions in any sphere of activity within the community or in any service organisation within the community.

**Mitsubishi Initiative Award**—demonstrating significant achievements in employment/business, and having exercised

a very high level of personal initiative.

**Motorola Science & Technology Award**—demonstrating significant contributions in any field of science or technology.

**Rys Pty Ltd/A & J Electrical Inspirational Award**—having inspired others through your actions or by overcoming personal difficulties, recognising those who have achieved in spite of adversity.

**Toro Australia Natural Resources & Environment Award**—demonstrating significant contributions towards the development of natural resources and the environment within the community or State.

**SA Government South Australian Young Person of the Year**—after all the category winners have been selected, one of them will be chosen by the judging panel to be the overall winner and will be nominated as the "South Australian Youth of the Year".

For each category the winner receives a \$2500 cash prize. The overall winner will receive a further \$2500 cash prize and an overseas travel package for two sponsored by Qantas and Novotel.

For copies of nomination forms or other enquiries, contact the South Australian Youth Awards Office on (08) 8336 0066, or email: <pcs@pcs.org.au>. Information is also available via the Paradise Community Services website: <www.pcs.org.au>.

—David Ellis



## Academic Structures Review

One of the most encouraging things to emerge so far from the Review of Academic Structures has been the high quality of responses it has drawn from the University community. Across the diversity of staff and student submissions there have been serious and thoughtful analyses of the major issues at stake, reflecting a broad level of engagement with the challenge that restructuring confronts us with. In this, the work of the Academic Structures Working Party has been exemplary, I think, in the degree to which it has sought to elicit and respond to the views of the University's many stakeholders, through the round of formal submissions, through its two public forums, and most recently through the release of its interim report. The Discussion Paper, which outlines general principles for change and a number of possible structural models, is intended to give rise to a further round of feedback, suggestions and debate.

The Discussion Paper reflects a broad consensus about what the goals of restructuring might be: the breakdown of barriers between departments caused by internal competition; the further development of funding models which facilitate cooperation across departments and faculties in both teaching and research; the development of more flexible student pathways through our academic programs; the reduction of administrative loads on academic staff; and a need to develop the structural flexibility to allow us to respond quickly to changes in the broader environments in which we work.

Of course there is no perfect organisational structure that will deliver everything we desire, and the new structure, whatever it looks like, won't suit everyone equally. The process of restructuring is not easy, and in an organisation as large and complex as ours, one has to expect a degree of cynicism about change, and a loyalty to the (always changing) status quo, along with its problems and the ad hoc adjustments that they demand.

However, the Academic Structures Review was initiated because maintaining the status quo was, for a variety of reasons, no longer a viable option, and what the Review has shown so far is that, not only is there widespread agreement about many of the problems that need to be solved, there is also a readiness to contribute to the development of solutions, and even an excitement about the possibilities that a fundamental reconsideration of our organisational structure might provide.

I therefore encourage you to read the Discussion Paper carefully, to discuss it among your colleagues, and to respond individually and collectively to the Working Party. Responses can be made in either written or electronic form, to Russell Smith, Office of the Vice-Chancellor <russell.smith@adelaide.edu.au>.

I am keenly aware, of course, of the time constraints under which many staff are working at present, and I acknowledge the energy and commitment already given by those in the Working Party and those who have contributed submissions. Nevertheless, the high quality of response so far indicates a willingness to accept the challenges posed by restructuring, in order to develop a model that allows us achieve our common objectives of excellence in teaching and research. Your contribution is vitally important in ensuring that the structure we come up with is as good as it can be.

MARY O'KANE

## Gold nugget on display at Museum

THE WORLD'S second largest gold nugget has gone on show at the South Australian Museum.

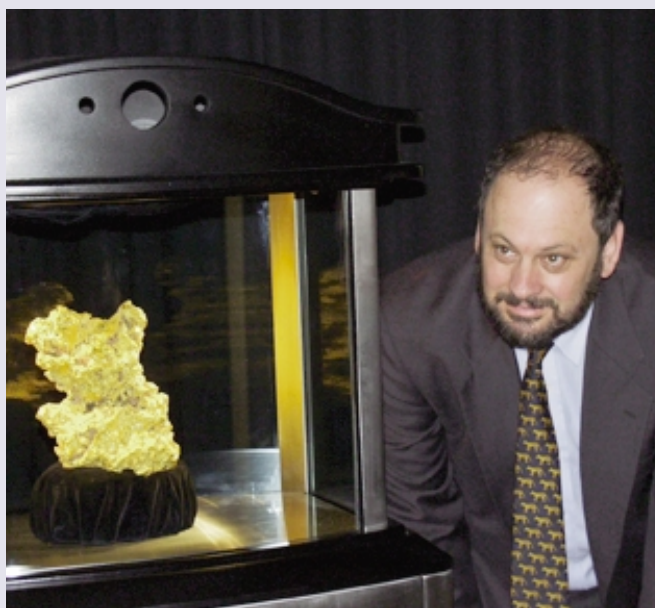
Acquired by Normandy Mining in April this year, the nugget is 28cm tall by 18 wide, and weighs 25.5kg (or 819 oz), and was found in the Kalgoorlie region of Western Australia. It was unveiled by Museum Director, and newly-appointed Affiliate Professor at Adelaide University, Dr Tim Flannery (pictured) and will be on public display until 31 December.

Normandy Mining Chairman and Chief Executive Officer, and Adelaide University's Chancellor, Mr Robert Champion de Crespigny, said the hunt was now on to name the nugget.

"It ranks as the 26th largest nugget ever found worldwide, and is believed to be the second largest remaining nugget which has not been melted down," he said.

"Being an Olympic year, with millennium celebrations, and with the nugget found in the Western Goldfields, a whole host of naming opportunities exist."

Entries to rename "The Normandy Nugget" can be made via the South Australian Museum's website at <<http://www.samuseum.sa.gov.au>>.



## Mathematics: time to end the neglect

A RECENT paper by the Federation of Australian Scientific and Technological Societies (FASTS) has claimed that mathematical sciences in Australia is in despair.

The paper was written by FASTS Vice-President Ms Jan Thomas, who said: "No discipline can afford the kind of haemorrhaging I have documented and remain vibrant, creative and innovative. An irrefutable brain drain exists in the mathematical sciences, which is probably replicated in other disciplines."

Her report showed declining enrolments in advanced-level maths courses in schools and universities, and a mathematics teacher shortage that was already impacting on rural and remote schools.

Professor Alan Carey, who is President of the Australian Mathematical Society and Academic Dean of Adelaide University's School of Mathematical & Computer Sciences, said the findings posed a threat to science, engineering and technology in

Australia, as all of these depended on mathematics. It also posed a major threat to the financial services industry.

"Mathematical sciences are critical to this industry, and if they can't be found in Australia they will be found elsewhere," Professor Carey said.

He attributed the mathematics brain drain to cuts in government funding for teaching and research in Australian universities.

"The first thing I would do is turn DETYA [Department of Education, Training and Youth Affairs] upside down and get rid of the anti-science and anti-research bureaucrats in that department. Second, I would ensure that the essential contribution of universities to science, mathematics, engineering and technology research was recognised in DETYA and the damage done to that research by successive cuts to university teaching by governments of all persuasions was reversed.

"The fact that science policy is run by a separate Department, DISR [Department of Industry, Science and Resources], means that there is no 'whole of government'

approach to funding. Thus initiatives in DISR are undermined or sabotaged by DETYA policy," Professor Carey said.

He also blamed successive State Governments for "shirking" their responsibilities when it came to teaching in schools.

"We have to embark on a major renewal of the content knowledge of teachers of mathematics in schools at all levels, from primary through to senior secondary. This is a State Government responsibility," he said.

"There is a naive belief in Government that teacher shortages in high-demand areas such as mathematics can be fixed by just hiring new graduates. The truth is that there are very few graduates in mathematics who do not have their focus on Information Technology or high-tech industry, and hence no pool of people to put into teaching."

He said universities also needed to realise that rapidly evolving fields such as bio-informatics, financial services and information technology and telecommunications required support from the mathematical sciences.



# Cleaner, clearer water sought in research project

AN ADELAIDE University student has helped evaluate a new method of removing natural organic contamination from River Murray water, which has the potential to significantly improve the quality of Adelaide and country water supplies.

Suzanne Schwarz, who has just completed a Chemical Engineering degree and will commence work as a process engineer with Esso in Melbourne next year, investigated the new method of removing dissolved organic carbon (DOC) from drinking water sources such as the Murray as part of her final-year research studies.

"DOC occurs naturally in most water supplies when decomposing organic matter from leaves and wood wash into water reservoirs, lakes and rivers," Ms Schwarz said.

"It can produce an unpalatable taste and odour in water even after conventional treatment by filtration. DOC may also generate chlorinated organic compounds, some of which are suspected to be potentially carcinogenic, when it reacts with chlorine used to disinfect our drinking water supplies."

Her research was based on a new process for DOC removal developed by SA Water in conjunction with Orica Watercare and CSIRO. This process uses specially manufactured magnetic ion exchange (MIEX) resin particles that absorb the dissolved organic carbon present in the water, and which then clump together magnetically for easy removal in what's known as a "settler".

SA Water is currently building a \$7.5 million water treatment plant at Mount Pleasant that will incorporate the MIEX process. The plant is expected to commence operation by April 2001 and will supply drinking water to Adelaide Hills residents at Mt Pleasant, Eden Valley and Springton.

"A problem with the current MIEX process is that the settler cannot be easily scaled up to suit larger water treatment plants," Ms Schwarz said. "I investigated whether a locally developed filtration technology, known as a Baleen Filter, could be used in the process instead of a settler."

The Baleen Filter is an automated self-cleaning filter that was invented at UniSA by a former Adelaide University graduate, Mr Yuri Obst. It recently won the Institution of Engineers, Australia's Eureka Award for engineering innovation.

"An advantage of replacing the settler with a Baleen Filter is that conventional and less expensive ion exchange resins (in place of MIEX resin) could also be used in the process," Ms Schwarz said.

"I found that at the moment, the particle size of conventional resins is too big compared with MIEX, but if decreased in size, which is quite possible, then a conventional resin and Baleen filter could be as effective for removing DOC than MIEX resin and a settler. However, the conventional resin would have to be at least a couple of dollars per litre cheaper than the MIEX resin for this to be more cost efficient.

"The next step is to build a trial plant to test the



Chemical Engineering student Suzanne Schwarz. Photo: Ben Osborne.

Baleen filter's performance for separating MIEX and conventional resins. As part of my studies this year I designed a pilot plant which would do that, so hopefully the next person can come along and build on the research I've already done by getting the pilot plant up and running and obtaining some more data about the Baleen filter."

Mr Geoff Kilmore, who was Ms Schwarz's

project supervisor at SA Water, said her research has helped SA Water discover new options for improving the quality of metropolitan and regional water supplies in South Australia.

"We hope that this research can be continued next year in association with Adelaide University," he said.

—Ben Osborne

## Our new biodiversity centre off to a strong start

AIMS by a new teaching and research centre to become a national and international leader in its field may be ambitious, but they are quickly being realised.

The Centre for Evolutionary Biology and Biodiversity was officially launched last month at Adelaide University. The Centre is a joint initiative between the University, the South Australian Museum and the Plant Biodiversity Centre of the Department of Environment and Heritage. Its goal is to become a leader in evolutionary biology and biodiversity studies, with an emphasis on Australia's fauna and flora.

The Centre's partners have between them secured six large ARC grants and three SPIRT grants in the latest round, which was announced earlier this month. The research projects include several in which members of

the Centre are already collaborating.

The Centre's Director, Associate Professor Andy Austin, said he saw this as an excellent start to a much closer working relationship between the partners in the future, and one that will encourage new projects and initiatives. He expected these to develop in a number of ways.

"We are very interested in the evolution of relationships between parasitic insects and their hosts," said Dr Austin.

"Insect parasites are extremely diverse, and many feed on other insects. This makes it an interesting area in terms of biodiversity and, since parasitic insects are often used in biological controls, it has applications there."

The Centre will extend that work to study other parasitic invertebrates and micro-organisms.

Dr Austin also believed that the Centre would

contribute a great deal to the understanding of how Australian flora and fauna have evolved.

"The current ARC grants, including those at the Museum, cover projects as diverse as subterranean fauna from Western Australian aquifers, threatened desert fauna and DNA fingerprinting of endangered pythons," he said.

The Centre is also working with other universities on zoological studies, and with the Royal Zoological Society of SA to develop a cross-fostering model for endangered species.

The Centre will move quickly to strengthen its national and international links. It plans to introduce workshops to develop expertise among researchers, and a seminar series in which distinguished visitors will speak on aspects of evolutionary biology and biodiversity.

The Centre will also host conferences. The first of these will be the 5th Invertebrate Biodiversity and Conservation Conference, to be held in Adelaide in December of next year.

Dr Austin said he believed that closer collaboration between the Centre's partners would also grow through their joint responsibility for young researchers.

"These will be graduate and Honours students who will take on projects of mutual interest to the various partners," said Dr Austin.

"We will have four Honours scholarships available next year, three of them funded by the Museum."

The fourth will be funded by Dr Austin himself, from funds reserved for research into eradication of European wasps.

—Rob Morrison

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## Drug study puts price over punishment

From Page 1

"In the US, a recent survey of school children found that nearly 80% of 10th graders and almost 90% of 12th graders rated cannabis as 'fairly easy' or 'very easy' to obtain. This isn't surprising when you consider that under prohibition there are no enforceable age restrictions on the purchase of cannabis.

"By contrast, stores selling alcohol risk losing their licences if they sell to minors, because there is a legal age restriction."

Another major issue is that governments could potentially have difficulty implementing a sales tax policy on marijuana, because tax payments can be avoided by black-market transactions.

"Again, the case of alcohol provides evidence that most people prefer to pay the higher prices associated with government taxes rather than purchase on the black-market," Dr Williams said.

The study, which was funded by the Australian Research Council, utilised data from the National Drug Strategy Household Surveys as well as pricing data provided by Australia's State Commissioners of Police.

—David Ellis

## Eminent brain scientist visits

AN INTERNATIONAL figure in the field of human motor control will visit Adelaide University this month.

Professor John Rothwell from the MRC Human Movement and Balance Group at the Institute of Neurology in London will visit Adelaide's Department of Physiology and the RAH Department of Medicine.

He has published more than 200 papers in leading journals and his book, *The Neural Basis of Motor Control*, has become the standard reference text in this field. He is also editor of two pre-eminent neuroscience journals, *Experimental Brain Research* and *Brain*.

Professor Rothwell will give two seminars at Adelaide University, the first of which is a must for all who are trying to get research published in authoritative peer-reviewed journals.

Called "Trials and tribulations in scientific writing and publication", the seminar will be held at the Hone Theatre, Ground Floor, Medical School South, on 30 November at 4.00 pm.



# Bilbies replace rabbits in central Australia

IN THIS year's round of Resources Industry Awards, the Arid Zone Recovery Project didn't make the finals.

It's not that the project was flawed—it simply fell outside the strict guidelines for the awards, which recognise environmental excellence in a range of mining, petroleum and industry operations. But the judges were so impressed with the project that they created a new award to recognise it.

It was an award for corporate citizenship; a fitting recognition, because the project brings together a large range of dedicated players, all combining their skills to restore a huge section of desert country and re-establish the native animals that vanished from it long ago.

The Arid Zone Recovery Project is a joint venture between WMC, the Department of Environment and Heritage SA, Adelaide University's Department of Environmental Biology and the Friends of the Arid Zone Recovery Project. It aims to restore 60 square kilometres of arid zone land at Roxby Downs to pre-European condition.

Feral pests have been eliminated, and cat-, rabbit- and fox-proof boundary fences erected. Old mining equipment is recycled for fence posts, erosion control and information and education displays. The Zoo and Monarto assist both with captive breeding programs and veterinary experience. The project provides training for primary, secondary and tertiary students, indigenous groups and the Green Corps.

One of the major achievements of the

project has been the successful re-introduction of The Greater Bilby to a 14 square km enclosure within the larger project area. Bilbies are endangered bandicoots that once roamed over much of Australia, but whose numbers declined drastically under the combined onslaught of cats, rabbits, foxes and land clearance.

"At Easter we released nine animals, five females and four males, and all our females are breeding," said Ms Katherine Moseby, coordinator of the project. "We've just seen the emergence of our second round of pouch young since the release. Basically they've been breeding continuously since then and are still going. We now estimate there are around 20 bilbies inside our site."

Bilbies have bred extremely well at Monarto Zoological Park, which has one of the largest captive breeding populations in Australia. The SA Bilby Recovery Team (made up of The Royal Zoological Society, Department of Environment and Heritage and community members) has successfully re-introduced some bilbies to an offshore island in Spencer Gulf, and the Arid Zone Recovery project has placed others back in a site close to the centre of their original South Australian range, providing valuable opportunities for research.

"We have a summer scholarship student, Erin O'Donnell from Adelaide University, who will be coming up this month to start a three-month study of the bilbies," said Ms Moseby. "She's going to look at the changes in condition, reproduction output, weight, diet, burrow location and how

the bilbies use their burrows and habitat over the summer."

"Conditions are quite dry at present, and it can be over 40 degrees every day here in the height of summer. It will be really interesting to see how the bilbies fare over the hot months."

The research will involve trapping the bilbies and attaching transmitters to their tails. "We already have four with transmitters and they're travelling throughout the enclosure and digging extensively. We also have Jackie Bice from the Arid Zone Recovery project who's working on their diet through scat analysis. She's finding that they're eating roots of specific plants like Boerhavia, and insects and grubs that live in the base of Hop Bush. They're even killing some of the bushes through digging at their bases till they fall over."

The release of the bilbies at Easter was symbolic. The Foundation for Rabbit-Free Australia developed chocolate Easter Bilbies to draw attention to this charming native marsupial, and the extent to which it has declined through competition with feral animals. Removing these introduced pests from the Arid Zone Recovery site has proved the point.

"We've had no known mortality so far, mainly due to the success of our fence design which is very good at excluding cats and foxes," said Ms Moseby. "We're actually finishing fencing the entire project area this month, and we're having a 'closing of the fence' ceremony in the week before Christmas, coinciding with the graduation ceremony of our Green Corp team."



A bilby being released at night as part of the Arid Zone Recovery Project.

Two Green Corps teams have completed more than half the project fencing.

"It's a huge achievement," said Ms Moseby. "Sixty square km fenced with a 1.8-metre cat-, rabbit- and fox-proof fence. Once we remove the last of the rabbits, the bilbies can have access to the whole project area. Then some really interesting studies can be started!"

The Project has also reintroduced other species, including Burrowing Bettongs and Greater Stick-nest Rats. There are also plans to reintroduce some birds.

Plans to reintroduce the Sandalwood Tree (*Santalum spicatum*) are also underway. This species has declined from being over-harvested in the last 100 years.

—Rob Morrison

## Science magazines a double helix of education for new generations

THE current state of science in Australia raises many concerns, not the least of them what its future will be.

As university science departments close or merge, as their student numbers decline, and as science in the school curriculum competes with more options, some wonder where the next generation of scientists will come from.

It is a pretty good bet that they will come from the ranks of readers of *The Helix*, the magazine of the Double Helix Science Club. *The Helix*, and its younger sibling, *Scientrific*, are science magazines for children published by CSIRO Education.

The Manager of the group, Ross Kingsland, created Double Helix 10 years ago to answer the demand for a science club and magazine for young people. It has been enormously successful with its target audience of children aged 10 and above. The demand for a similar magazine for a younger audience led to the creation of *Scientrific* for 7-10 year olds.

"Double Helix was inspired by my experience with the Argonauts on ABC radio when I was young," said Mr Kingsland. "I thought that a club with its own magazine would be an excellent way to develop an appreciation and love of science amongst today's young people."

The two magazines have different content and styles, and both are undergoing change. *Scientrific's* editor, Bianca Nogrady is about to leave, while the new editor of *Helix* will be David Lampard, an Adelaide University graduate who was featured in the *Adelaidean* (9 October 2000) as the science host of the new television program 'Y', and who is well known for his work at the Investigator Science and Technology Centre.

"I've been very lucky in recent years to be given the opportunity to communicate scientific knowledge through so many different mediums; print, live shows and TV," said Mr Lampard.



Bianca Nogrady proofs a copy of *Scientrific*.

"I'm looking forward to the challenge of being creatively involved with a magazine that likes to tackle science in a fun, yet thought provoking fashion. "It deals with difficult current science issues. It encourages thought and discussion among Australia's future scientists and technologists, and among all who will have to live with today's scientific developments, and work with them and their consequences in the future," he said.

"*Scientrific* and *The Helix* aim to make science interesting, exciting and entertaining for young people," said Ms Nogrady. "Science currently suffers from the image of being boring—something that wild old blokes in lab coats do locked away in laboratories full of weird

equipment. We aim to throw out the stereotypes and show young people that science is not only fun and fascinating, but also applies to every part of their lives. Hopefully, this will encourage young people to pursue science as a career and also help people, especially politicians and policy-makers, understand how important science is to our way of life."

There have been other science magazines overseas for young people, but *Scientrific* is the first of its kind in Australia as a science magazine targeted at such a young age group. It is also designed for use in the classroom, each issue being accompanied by a Teachers Guide containing extra activities and curriculum links.

Continued Page 6

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# Farewell to brilliant mathematician Eric Barnes

EMERITUS PROFESSOR Eric Stephen Barnes died peacefully at his home in Lobethal on October 16, after a long illness, aged 76 years.

Eric was born in Cardiff, Wales, but his parents soon moved to Sydney where he proved a gifted prize-winning student at Canterbury Boys' High School. He graduated in 1943 at the University of Sydney with First Class BA honours in Mathematics as well as in French.

His studies were interrupted by three years war service in an intelligence unit with the Citizen Military Forces. His exceptional expertise as a cryptanalyst earned him his commission as a lieutenant and helped him to decide to pursue a career in Mathematics rather than French.

In 1946 Eric was appointed a Teaching Fellow in Pure Mathematics at the University of Sydney and in 1947 he was awarded the JB Watt Scholarship for study in Cambridge where he was accepted by Trinity College. He gained his Cambridge BA degree in 1949 and his PhD for research in number theory in 1951. He won the prestigious Smith's Prize for Mathematics, was awarded a Fellowship at Trinity, and appointed as an Assistant Lecturer in Mathematics.

In 1953 he was appointed to a Readership in Pure Mathematics at Sydney University. In 1954 he was elected a Fellow of the Australian Academy of Science, one of the first

group to be elected after the Academy's foundation, and he was awarded the Academy's Thomas Ranken Lyle Medal in 1959.

When HW Sanders retired as Professor of Mathematics at the University of Adelaide in 1958, the Council decided to replace him by two professors, one in Pure Mathematics and one in Applied Mathematics. Eric was appointed as Elder Professor of Pure Mathematics while I was appointed to the Chair of Applied Mathematics. So began many years of close friendly cooperation as we helped transform a relatively inactive department to arguably the most active in Australia.

As well as being a brilliant research mathematician, Eric was a very clear expositor. He was an excellent lecturer over a wide range of courses from first year to honours level. He led the development of many mathematics subjects and soon established a strong research group in number theory, successfully supervising a sequence of postgraduate students. In historical order, his students were Jane Pitman (Sydney), and, at Adelaide, Paul Scott, Rod Worley, Tom Dickson, Peter Blanksby, the late Chris Nelson, and Dennis Trenery.

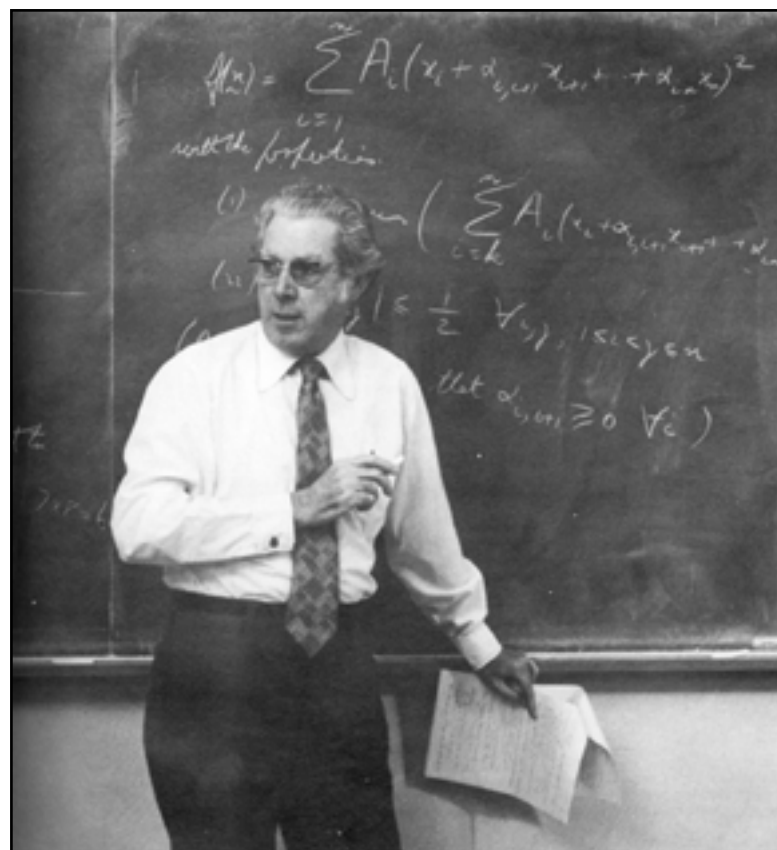
During his first decade in Adelaide, Eric played a leading role in connection with school mathematics and began his involvement in university entrance matters. He served terms as Chief Examiner in Mathematics for the Public Examinations Board and as Chairman of the Board.

Perhaps to the detriment of his mathematical research, he became increasingly involved in administration. A partial list of the responsible positions he held in the University is impressive: Head of Department, First Dean of the Faculty of Mathematical Sciences, Chair of Education Committee, Member of University Council, Deputy Vice Chancellor.

With the support of AW Jones of the State Education Department, Eric was responsible for establishing the Mathematical Association of SA (the state professional association of mathematics teachers) and became its foundation President. Nationally, Eric was, at various times, President of the Australian Mathematical Society, a member of the Council of the Australian Academy of Science, and its Secretary (physical sciences).

In 1980, restructuring of the University's management saw the two Deputy Vice Chancellor positions discontinued, and Eric returned to the Pure Mathematics Department as a Professor, taking early retirement in 1983. The ES Barnes Prize (for third year Pure Mathematics) was established in his honour in 1984.

Eric's research was in the branch of number theory known as the geometry of numbers. In particular, he and several of his students studied packings of equal spheres in multi-dimensional space, a topic which has connections with crystallography, lattices, groups, and codes. His major contributions to this topic culminated



*Emeritus Professor Eric Stephen Barnes.*

in important joint work with NJ Sloan of Bell Laboratory, Murray Hill, New Jersey, published in 1983.

Apart from mathematics, Eric's interests were in music (especially Mozart), language (especially French), bridge (especially ACOL), and chess (especially problems).

He will be sadly missed by his

colleagues who will particularly remember him for the acuteness of his mind, his mathematical eminence, and for his signal contribution to teaching, research, and administration in the University.

—Ren Potts, with the help of Jane Pitman and other members of the Department of Pure Mathematics

## Tribute to distinguished lawyer, judge and scholar Arthur Rogerson

EMERITUS PROFESSOR Arthur Rogerson, who died on 3 November aged 75, came to Adelaide as Bonython Professor of Law from the Law Fellowship at Jesus College, Oxford at the beginning of 1964.

He came to a Department at a crucial stage of development.

When he arrived there were eight other members of the academic staff, three of whom arrived in Adelaide at the same time as he and one of whom had joined it the year before. Several compulsory courses were taught by practitioners. He was in his 30s and the oldest member of the staff; when another junior member arrived later in the year the average age of the academic staff was under 30. Arthur brought with him an insistence on rigorous academic standards and arranged visits from eminent and distinguished British scholars.

With this encouragement all eight of those staff members went on to hold Chairs and students from the period include the Chief Justice of South Australia, six other Justices of superior Australian courts and the Whewell Professor of International Law at Cambridge University.

In the middle of 1964 the Department moved to what was intended to be its permanent site on the first floor of the Napier Building, but that rapidly proved too small. Planning had been done for a maximum of 250 students, but there were over 300 when the Department moved in, and the number was rising.

During his first years as Dean of the Faculty Arthur negotiated for a new building and its site, and was a major contributor to the planning of the Ligertwood Building, which was opened at the beginning of 1967.

Although Arthur's research interests at Oxford



*Emeritus Professor Arthur Rogerson. Photo courtesy of the Law School.*

had centred on international law he became quickly involved in law reform projects, and led a national inquiry into the reform of hire purchase and consumer credit laws. The other members of the inquiry were Michael Trebilcock and Michael Detmold, both young members of the staff of the Law School.

The Rogerson Report, published in 1969, pioneered this field of law reform. Its recommendations still form the backbone of South Australia's present consumer legislation and the report was used widely in its reform elsewhere in the common law world for instance, by the UK Crowther Committee. Arthur became a member of the Tribunal set up under the Act.

In 1990 he and the other members of the inquiry (Michael Trebilcock came from Toronto

for the occasion) took part in a public seminar to discuss the report from a 21 year retrospective standpoint.

In accordance with the collegial traditions from which he had come Arthur participated fully in the affairs of the University. He also served as President of the Staff Association.

Arthur left the University to become a Judge of the District Court in 1978, following in the footsteps of four of his predecessors who had moved from the Chair of Law to become judges. By then there were nearly 30 academic staff, the curriculum had expanded very significantly from the very restricted one in place when he arrived, and practitioners lectured in only a few specialist subjects. He remained a respected Judge of the Court until his retirement in 1995, with a reputation for patience in assisting young practitioners in the presentation of their cases.

After his retirement he served as an Acting Judge of the Court and as Acting Coroner. In 1998 he examined for the Faculty in the Law of Torts, a subject he had taught in 1964. He also generously gave the University a set of manuscript law reports dating from the first half of the 18th century.

Arthur grew up in Carlisle, where he developed his love of music, especially Methodist hymns, Gilbert and Sullivan and piano music. Perhaps his outstanding memories were of accompanying Kathleen Ferrier in recitals in Cumberland before she achieved international fame. He had a great appreciation of wine and possessed a remarkable palate. He was a generous host and had a dry sense of humour.

He is survived by his wife Susan, who has been a committee member of the University Women's Club for many years (including serving as President), his son Stephen and daughters Helen and Isobel.

—John Keeler & Horst Lucke

## Future scientists

*From Page 5*

Both magazines try to make personal connections by showing scientists as human beings, and they raise awareness of the vital contribution that scientific research makes to our community. They advise readers about events around the country, offer competitions and other forms of interaction and even involve the community in national science experiments and activities to try at home. The chance for young people to work with practising scientists on real projects is seen as especially valuable.

"Our national experiments have made some major achievements," said Mr Kingsland. "There have been more than 10 of these completed. As an example, Earthworms Down-under produced the first earthworm map of Australia; an important first step for scientists in advising farmers how to use worms for improved agricultural techniques," he said.

Just how the next generation will cope with science is very much in the minds of those who produce the magazines. "There's so much going on in the world of science at the moment; so much significant and awe-inspiring work," said Mr Lampard. "Everyone should be encouraged to actively discuss it, especially our decision makers of tomorrow."

Ms Nogrady agrees. "My work with *Scientrific* has made me aware of how serious the environmental problems are that we face at the moment and in the future," she said. "I have no doubt that young people are also aware of those problems and of the fact that the responsibility for fixing the situation is being placed on their shoulders.

"That's a pretty awesome responsibility and I believe that we need to try and help them as much as possible by educating them about their environment at an early age. I have tried to do this with *Scientrific* by writing about environmental issues and things such as recycling, conserving energy, and so on. I really believe that the older generation has a duty to do this as much as possible."

—Rob Morrison



# CAREER PATHS

## TAKING A NEW ROAD TO SUCCESS

JOHN OLSON is Managing Director of a leading civil engineering and information technology consultancy, HDS Australia Pty Ltd.

A Fellow of the Institution of Engineers, Australia and registered civil engineer, he is a founding member of Adelaide University's Alumni Association and is currently registered with its Chapman Chapter.

Mr Olson graduated from Adelaide University in 1978 with First Class Honours in Civil Engineering.

Upon completion of his studies he spent several years with the South Australian Highways Department (now Transport SA). During this time he focused on the design and construction of highways and roads in Adelaide and regional South Australia. He also spent three years as Systems Engineer, which involved introducing to the agency a number of computer-based information management systems.

Mr Olson also spent two years as Senior Highway Engineer with civil engineering consultancy MacDonald Wagner, working in Sydney, Adelaide and Melbourne.

After identifying a market in South Australia for the provision of road design services, Mr Olson

decided to form his own company, establishing HDS Australia (then known as Highway Design Services) in Adelaide in 1988.

"I established HDS Australia after recognising a market for road design services in South Australia which had not been realised to its full potential," Mr Olson said.

"While originally we specialised in the provision of road and highway design expertise throughout Australia, we then diversified in 1990, offering consultancy services in the development of quality management systems for the civil construction industry. Later this was extended to include consulting services in road asset management and community waste management.

"More recently, the company has further diversified into the development of computer-based information systems and the provision of other information technology consulting services to our many clients in the infrastructure management industry."

Today Mr Olson is responsible for overall management of HDS Australia, which has now grown into a medium sized civil engineering and information technology consultancy practice with more than 40 staff, just under \$3 million per annum turnover, offices in Adelaide and Melbourne and a strategic

alliance partner office in Hong Kong.

Under Mr Olson's leadership, HDS Australia has carved a strong reputation nationally for its work in the civil and municipal engineering fields, particularly for road design and community waste management projects.

The company's clients include state and local government authorities in South Australia and Victoria, as well as other major engineering consultants throughout the country.

HDS Australia has achieved considerable success in recent months, receiving a Commendation at the recent Institution of Engineers, Australia South Australian Division Engineering Excellence Awards for the development of Paramap Version 4, a computer software package that provides geographical and statistical information for infrastructure management.

The company also has achieved a major engineering coup by winning contracts to investigate 55 "black spot" hazardous road/intersection locations in Victoria.

Other major projects undertaken by HDS Australia include pre-opening safety audits and design verification for the Berri Bridge and Stage 1 of the Southern Expressway, as well as safety and design audits for components of the nationally significant Adelaide to Crafers Highway.



John Olson, Managing Director of HDS Australia Pty Ltd.

Mr Olson said his vision for HDS Australia was "to become a leading Australian-based consulting group, focused on the provision of infrastructure management, environmental management and information technology services to its target markets".

### Guided tours of North Terrace campus

Learn about the history and heritage of South Australia's oldest University. See the University's historic buildings and beautiful grounds.

**Individuals, families and groups are all welcome.**

Tours are conducted by trained guides from the University's Alumni Association. Tours last one hour. There are some strenuous sections, including stairs; your guide can advise of alternative outdoor routes.

Regular tours are offered each Tuesday morning at 10:30 am and are free of charge. Groups may make arrangements for tours at other times by calling the Alumni and Community Relations office on (08) 8303 3196.

Please meet at University Gate 20 next to the Art Gallery of South Australia on North Terrace.

### Florey Medical Chapter AGM

THE Florey Medical Chapter Annual General Meeting will be held on 4 December 2000 at 6.00pm in the North Conference Room, Ground Floor of the Medical School Building.

The Alumni Association's Medical Chapter was renamed the Florey Medical Chapter in 1993 in honour of Baron Florey of Adelaide and Marston. The objectives of the Chapter are:

- To encourage interaction between the Medical Faculty of Adelaide University, its undergraduates and graduates and the friends and alumni of the University.
- To inform members of the Chapter about the activities and research conducted by Adelaide University.
- To promote the interests and activities of the Medical Faculty.
- To enlist the support of the community for the advancement of medicine.

All members are encouraged to attend the meeting. For further information please contact Dr Jeanette Linn, Chair, Florey Medical Chapter at (08) 8344 4284, or Kim McBride, Coordinator of Alumni and Community Relations (Australia) at (08) 8303 3196.

### December graduations

ALL members of staff are invited to attend next month's graduation ceremonies in Bonython Hall.

Around 2500 students will attend the eight graduation ceremonies from 18-21 December.

While all members of staff are invited to attend, graduate members of staff are also urged to participate in the academic procession, wearing their appropriate academic dress.

Tickets are limited to one per staff member. Staff wishing to register their interest can complete the form available from the website <www.adelaide.edu.au/studentadmin/siw.htm> and returning it to the Graduations office by internal mail or fax on 8303 5550 by 1 December 2000.

### The Gift of Giving

TIS the season to be jolly... but for some people Christmas will be anything but merry. This is why every year the Smith Family holds a present drive to collect donations of gifts to brighten the Christmas of families who are less fortunate than ourselves.

The Adelaide University chapter of the Golden Key International Honour Society is supporting the Smith Family through the "Gift of Giving" present drive.

A Christmas tree is set up in the Barr Smith Library, where staff, students and members of the general community can donate gifts. Donations will be accepted until the end of November.

New gifts are required for males and females from birth to 15 years. Suggestions include books, CD vouchers, stuffed toys, jigsaw puzzles—the possibilities are endless.

The Golden Key chapters from all three South Australian universities encourage the university communities and the broader community to get involved in this project. The aim is to at least double the number of gifts collected last year.

## Adelaide University Alumni Association

### REGISTRATION FORM

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- Florey Medical Chapter
- Science and Mathematical Sciences Chapter
- MBA Alumni Association
- Roseworthy Old Collegians Association (ROCA)
- Economics/ Commerce Chapter
- Leonardo da Vinci Chapter (Italian-Australian alumni)
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All information provided on this form will be added to the University's Alumni and Community Relations databases for University and University related purposes only and will not be passed on to any third party not affiliated with the University.



# 5UV celebrates its big move to the FM dial

IT'S BEEN a long time coming, but University radio station 5UV Radio Adelaide is finally about to secure itself a highly coveted spot on the FM dial.

The community broadcaster was this month notified by the Australian Broadcasting Authority (ABA) that 5UV will be allocated a permanent FM licence, allowing it to make the move from AM to FM as early as March next year.

Although the ABA's plan is only a draft at this stage, now that 5UV's FM licence has been given approval it is unlikely to be withdrawn. (The ABA will release its final plan after accepting submissions on this and other matters before 11 December.)

The FM licence is a major step forward for 5UV, which will benefit from a boost in radio signal (from a mere 500 watts to 20 kilo watts), putting it on equal terms with the "big" commercial stations, stereo sound, and access to a much larger Adelaide audience. 5UV has also been allocated the FM frequency of 101.5, in the centre of the dial.

FM licences in Adelaide are hard to come by, but 5UV has been waiting in line longer than most. The station's quest to go FM dates back to September 1988, when the then station manager Ms Jill Lambert submitted a formal request for FM conversion. The job of lobbying for an FM licence was taken up with gusto over the course of almost 10 years by the next station manager, Dr Jeff Langdon. At one time in 1992 he had the go-ahead from the then Minister Michael Duffy, but weeks later the Broadcasting Act was amended and the newly established ABA decided to start the entire process from scratch.

Not one to be discouraged easily, Dr Langdon convinced the ABA to allow stations who aspired to a licence conversion to carry out continuous test broadcasts on FM. He tried a new strategy which led to the development of 5MBS, a fine music broadcaster which currently operates out of 5UV's North Terrace studios and for some time has been carrying out

test broadcasts on 101.5 FM. 5MBS will be allocated a new test frequency when 5UV officially takes over 101.5 on a date to be determined next year.

5UV station manager Ms Deborah Welch said the staff and volunteers at 5UV were thrilled about the recent, long-awaited announcement.

"It is just recognition of 5UV, which is widely regarded as one of the great community radio stations in Australia," Ms Welch said.

"It's a major achievement to be able to make the move to FM. Although surveys have shown that people in Adelaide know 5UV and that many people tune into us from time to time, being stuck at the bottom of the AM dial has been a handicap. In a way, we regard 5UV as one of Adelaide's best kept secrets—we have an excellent range of programming which many people haven't discovered. From next year that will change, and it will sound better than ever," she said.

Adelaide University students stand to gain a great deal from the move, as it enables Student Radio—a significant proportion of 5UV's programming—to shine in stereo.

"It's wonderful for Student Radio because FM is the bandwidth that students listen to, and it means that the award-winning programs put together by students, such as Local Noise with local bands recorded and put to air at 5UV, will be more widely recognised," Ms Welch said.

Ms Welch is quick to reassure listeners that there will be no major changes to 5UV's programs. She also believes that with its wide mix of music, arts, education and current affairs, 5UV will stand out from the crowd of music-only stations on the FM dial.

"We aim to reflect Adelaide in all of its diversity, and with FM we will be able to broadcast loud and strong to the city of Adelaide, its suburbs and surrounds."

5UV Radio Adelaide can currently be heard in Adelaide on 531 AM, or by "tuning in" to the internet at <www.adelaide.edu.au/5UV/>.

—David Ellis



5UV staff, volunteers and friends celebrate the long-awaited FM conversion announcement.



## Theatre Guild exhibition

A NEW display at the Barr Smith Library celebrates Adelaide University's Theatre Guild.

The Guild has played an active role in University life since 1938, when it opened in The Hut, with 13 pounds, six shillings and eleven pence in the bank.

The passionate enthusiasm of its founders is reflected in the objectives that were set: the Guild was to further "the study of drama and the practice of the arts and crafts of the theatre".

Suggested activities included "playreading and study, the acting and producing of plays, design of stage settings and costumes, study of the technique of radio drama and...performances in opera and ballet".

Since then, the Theatre Guild has staged hundreds of productions, drawing on the skills and talents of many individuals in the University community. Its repertoire has been diverse: Australian, American and European drama, the established "classics" and experimental local work.

The first production, in September 1938, was an evening of short plays, including work by George Bernard Shaw, in front of an audience comprising a '30s social "Who's Who of Adelaide".

Performances in 2000 have included Shakespeare's *Measure for Measure* and the new work *Four On A Couch*.

The programs, photographs, posters and scripts shown in the display cover works from *Romeo and Juliet* to *Piaf*. All the material in



the display comes from the Adelaide University Archives.

The Theatre Guild display can be seen on Level 3 of the Barr Smith Library until the week before Christmas.

Further details and information about the Theatre Guild can be found in the recently published history by Kerrie Round, *As Many Lives As A Cat* (copies in Adelaide University Library or available for sale from the Theatre Guild, telephone 8303 5999).

—Jennifer Osborn  
Barr Smith Library

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### ACCOMMODATION

**GLEN OSMOND:** 3 br, unfurn house (some built-ins), r/c air cond, 2 toilets, close to transport and good schools, walking distance to Waite. No pets, lawns mown. Available now. \$240 pw + bond. Ph 8379 4869.

**KANGAROO ISLAND:** Holiday retreat - vacant Dec - Jan, suit non-smoking couples, magnificent views, min 1 week. Ph 8362 3698.

**MALVERN:** Gracious 3 bdr house, furn/unfurn, 3 bathrooms, 2 studies, central

heating, air con family room, pool, carport. Avail 15 Jan 01 - 31 Dec 01. Ph 8272 4794.

**NORTH ADELAIDE:** Near new f/furn 2 bdr, 2 brm executive apartment. Close to Melbourne St. \$320 pw. Ph 0401984847.

**NORTH ADELAIDE:** Person to room-sit in share-house with 1M, 1F. Fully furn, sunny, mod maisonette. Close to shops and transp. Avail Dec 00 to May '01, \$75 pw. Ph Karen on 8303 3119 (w) or 8267 1986.

**NORWOOD:** To share, room in spacious modern 3-

## Adelaidean CLASSIFIEDS

bdr townhouse; avail mid December; \$95 pw + expenses. Ph Andreas 8303 4441 or 8363 7697.

**SEACLIFF:** Unit to let on beachfront. 2 bdr, balcony, rvc air con, b/ins, l/u garage. 5 mins to bus & train stops. \$170 pw. Ph 8338 1123.

**SECOND VALLEY:** Holiday house available during Christmas holidays. Close to beach, views to sea and hills. Modern and

comfortable, 3 br. Ph Dianne 8379 6510 ah.

**WANTED:** Professional woman looking to rent a room in an established home - preferably with a single woman, or single woman with children. Email <hcharder@cnet.com.au>

### FOR SALE

**COMPUTER:** Pentium II

333 digital SVGA monitor, 15 GB hard disk, 64 MB RAM, 50 speed CD-ROM, 56K modem, speakers and more. \$890 neg. Ph 8338 4152.

**DAIHATSU CHARADE:** 1985 manual hatch. Immaculate cond UNY 968. \$2000 ono. Ph 8357 1862 or 0414 791 107.

**DINNER SERVICE:** Bonechina, Royal Albert, as new. 50 pieces, all white with rose relief. \$699. Ph 8265 4028.

**VCR:** Panasonic 3 head, remote, perfect condition.

\$120. Ph 8338 4152.

### DEPARTMENTAL

**MAGNA:** 12 month old, Magna Advance WIE 168. Ex-departmental vehicle, can only be sold within the University. Ph 8303 4672 or email <ky.jackson@adelaide.edu.au>

### MISCELLANEOUS

**ROOFING TILES:** Give away approx 400 Eureka Ballarat tiles (with moss). Ph Stephen 8303 5467 or 0414 303 889.



## Change Management, Project Endeavour – what's happening?

A new plan is being developed for implementing the Student Records and Student Financials modules of the PeopleSoft system. This follows a decision taken last month to move the Go Live date. The student team will remain on schedule in getting the system up and running but it will not be available as an integrated system until September 2001, when the administrative processes for the 2002 academic cycle will be gearing up.

The new plan gives the University community a welcome opportunity to work with the system 'off line' over the next 10 months. During this time processes and procedures will be reviewed to ensure the benefits of the new system are maximised for all concerned.

The new arrangements are summarised as follows:

- All planned functionality of the Student Records and Student Financials modules will be released in September 2001. The take up of these two modules will commence with re-enrolments and enrolments for 2002 (including Summer Semester.)

- Remaining functions, such as exam preparation and results, DETYA student submission, and organisation of graduations, will be taken up at the appropriate time during the 2002 academic year.
- The Admissions and Campus Community modules, which have already been released, will be used during 2001 for all prospects, and for 2002 admissions.

In the weeks ahead the Project Sponsor and Team will consult with representatives of Faculties and Departments in the development of a comprehensive plan for the implementation itself and for the organisational changes which will accompany it.

The plan will incorporate a timetable for loading program/plan/course data onto the system, a review of support structures and roles, as well as opportunities for "off line" trials and training.

Another feature of the plan will be assistance with procedures which will maximise the benefits of the new system, including local process gap analysis and business process re-engineering.

### Research Master

Research Master development is ongoing and the software has recently gone live with the Ethics module. There will be testing of an upgrade to Research Master at the end of this month which brings with it new reporting functionality. The pilot consultative process has been completed and the roll out plan will be phased implementation on an as needs basis. Development of interfaces to other business systems is underway.

There are currently discussions with the Research Master company regarding the future direction of the University's needs and possible commercialisation.

### Finance

Project Endeavour has reached an important milestone. On 1 November a further four finance modules - Inventory, Assets Management, Billing, and Receivables - went live.

This consolidates the PeopleSoft Finance Business Systems, making a total of seven modules in production. (Accounts Payable, General Ledger and Purchasing have been in production since the

beginning of this year.)

With Stage One of the Endeavour Financials project completed the Finance Business System is now under the day-to-day operation of the Division/Faculty Finance Managers with direction from David Carver, Financial Controller.

Functional team members from Cap Gemini Ernst and Young will be leaving the University on November 10. While most of the University Project Team members will be returning to the Finance Branch on November 17, others will be taking up new positions within the University.

Finance has established a new team to deal with issues associated with the daily operation of the Finance system. Marc Robinson will assume the role of Manager, Finance System Administration and will be supported by Paul McKenzie and Jayson Bagnell as the Finance System Administration Team. They can be contacted on extension 36466 or by email: <finsysad@adelaide.edu.au>.

**FIONA KERR**  
Change Management

## Property Services: search for airborne asbestos particles

As part of the process of preparing for an upgrade of the fire life and safety provisions for those buildings known as Barr Smith Library, Plaza, Architecture and University Club, residual asbestos has been removed from above the ceilings. This is to enable easy and safe access for building and maintenance staff into parts of the ceiling space for future installation of new services.

During this asbestos remediation work (managed by PPK Environment & Infrastructure Pty Ltd), minor traces of asbestos were discovered within the ductwork of the air conditioning servicing the Library Building, particularly on level 3. This is consistent with recent experience that has shown that, where asbestos insulation has been utilised in close proximity to air conditioning ductwork, there is potential for asbestos contamination to be present within the air conditioning system.

Throughout the asbestos removal program, air monitoring was conducted. This monitoring continues, and all results have fallen within allowable safe working levels, in accordance with statutory requirements of the South Australian Occupational Health Safety & Welfare Act (1986).

The testing method used and recommended by the National Occupational Health and Safety Commission gives some assurance to the fact that while asbestos has been identified as being present in the air conditioning system, the material is not becoming airborne. To further ensure the absence of airborne asbestos, the University is developing a management strategy to provide a continued safe working environment for all users of those buildings.

To date Property Services staff along with PPK, a medical epidemiologist,

representatives of the NTEU, UTLC, and University OH&S unit, have met with occupants of the buildings to inform them of the proposed management strategies to deal with the asbestos related issues. The information gathered in these sessions will be available on the web via Property Services home page and will be regularly updated with any further developments in asbestos management.

ROD PAGE  
Property Services



What's this all about? Monitoring for airborne asbestos particles, that's what.

## In the Business of Innovating Futures

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Designed for Graduates and Professionals of all Disciplines

An intensive 3-day on-campus course for would-be entrepreneurs and people thinking of starting their own business is planned for late January 2001. Contact us for details.

Phone (08) 8303 3094, or email <shane.cheek@adelaide.edu.au> for details.

Enterprise Education Group: <www.eeg.adelaide.edu.au>.

## COMING EVENTS

21st November – 30th November

### TUESDAY 21 NOVEMBER

**4.15pm History Seminar:** The Military Reformation of Elizabethan England by Paul Hammer. Seminar Room, Ground Floor, Napier.

### WEDNESDAY 22 NOVEMBER

**1.10pm Horticulture, Viticulture & Oenology Seminar:** Pyruvate carboxylase: An analysis of enzyme function and gene regulation using molecular genetics by Dr Michelle Walker. Plant Research Centre Auditorium, Waite Campus.

### MONDAY 27 NOVEMBER

**12noon Plant Science Seminar:** Cytogenetics Studies of Alfalfa (Lucerne) Germplasm Sources by Dr Gary R Baughan (Soybean and Alfalfa Research Laboratory - US Dept of Agriculture). Charles Hawker Conference Centre, Waite Campus.

### TUESDAY 28 NOVEMBER

**12noon Child Health Research Institute Seminar:** Airway-epithelium

surface barriers: can alterations improve therapeutics delivery? by Dr David Parsons (Pulmonary Medicine, WCH). Seminar Room, 7th Floor, Reiger Building, WCH.

**4.15pm History Staff/Postgraduate Seminar:** Segregation, Racism and White Woman Reformers: a Transnational Analysis, by Sandra Holton. Seminar Room, Ground Floor, Napier Building.

### WEDNESDAY 29 NOVEMBER

**1.10pm Genetics PhD Update:** Paul Tosch (third year). Genetics Seminar Room, ground floor, Fisher Building.

### THURSDAY 30 NOVEMBER

**4.00pm Physiology Special Seminar:** Trials and tribulations in scientific writing and publication by Professor John Rothwell (MRC Human Movement and Balance Group, Institute of Neurology, London). Hone Lecture Theatre, Ground Floor, Medical School South. Further details of Professor Rothwell's visit can be obtained from Dr Timothy Miles, 8303 5108.



## 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\***

**IMPLEMENTATION TEAM MEMBERS (3)**  
(Ref: 10650/10651/10652)  
(Fixed-Term)

Project Endeavour

Student Administration System

The fixed-term positions are available from 2 January 2001 for a period of 12 months. Further information including the selection criteria may be obtained from Mrs Shirley Pearce, tel 8303 6159 or fax 8303 4400.

Appointments will be made at a level commensurate with the skills and experience of the successful applicant. Salary scales are:

HE04 \$30,737-\$33,808

HE05 \$34,610-\$38,619

HE06 \$38,751-\$41,959

HE07 \$42,760-\$47,973

EXPRESSION OF INTEREST close 27 November 2000.

**TELECOMMUNICATIONS TECHNICIAN**

(Ref: 10645) (Continuing)

Information Technology Services

Salary: HE04 \$31,252-\$34,376

This continuing position is available immediately. Further information including the duty statement and selection criteria may be obtained from Lina Russo, tel 8303 5716.

Applications close 27 November 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.**

**ADMINISTRATIVE ASSISTANT (Ref: 4619) (Continuing)**

Office of the Vice-Chancellor

Salary: HE05 \$35,191-\$39,268

This continuing position is

available from 29 January 2001. Further information including the duty statement and selection criteria, from Rosalyn Chardon, tel 8303 5780, fax 8303 4407 or e-mail <[rosalyn.chardon@adelaide.edu.au](mailto:rosalyn.chardon@adelaide.edu.au)>.

Applications close 1 December 2000.

**ADMINISTRATIVE ASSISTANT (Ref: 10641) (Continuing)**

Office of the Vice-Chancellor

Full-time Salary: HE04 \$31,252-\$34,376

This part-time continuing position is available immediately on a 22.05 hours per week basis. Further information including duty statement and selection criteria, may be obtained from Rosalyn Chardon, tel 8303 5780, fax 8303 4407 or email <[rosalyn.chardon@adelaide.edu.au](mailto:rosalyn.chardon@adelaide.edu.au)>.

Applications close 1 December 2000.

**TECHNICAL PRODUCER (Ref: 10643) (Fixed-term)**

5UV Radio Adelaide

Full-time salary: HE04 \$31,252-\$34,376

This fixed-term position is available from 11 December 2000 for a period of twelve months on an 18 hours per week basis. Further information including the duty statement and selection criteria may be obtained from Kathy Whitta, tel 8303 5000 or email <[kathryn.whitta@adelaide.edu.au](mailto:kathryn.whitta@adelaide.edu.au)>.

Applications close 27 November 2000.

**ADMINISTRATIVE ASSISTANT (Ref: 10642) (Continuing)**

Office of the Vice-Chancellor

Full-time salary: HE02 \$25,815-\$27,445\*

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

This continuing position is available immediately on the basis of 25 hours per week. Further information including the duty statement and selection criteria may be obtained from Rosalyn Chardon, tel 8303 5780, fax 8303 4407 or email <[rosalyn.chardon@adelaide.edu.au](mailto:rosalyn.chardon@adelaide.edu.au)>.

Applications close 1 December 2000.

### HUMAN RESOURCES DEADLINES FOR ADELAIDEAN

For the *Adelaidean* of 4 December 2000, advertising paper work must be received in Human Resources by 17 November 2000.

For the *Adelaidean* of 18 December 2000, advertising paper work must be received in Human Resources by 1 December 2000.

## GENERAL NOTICES

### Academic Promotions Update

The processing and ranking of applications for each of the levels has progressed to the following stages:

#### APPLICATIONS FOR PROMOTION TO LECTURER (LEVEL B) AND SENIOR LECTURER (LEVEL C)

Faculty of Health Sciences - recommendations approved, and the majority of applicants has been advised. However, there are two applications from title holders which will be considered at a meeting to be held at the end of November

Faculty of Engineering, Computer and Mathematical Sciences - consideration of applications have been completed, applicants will be shortly advised of the outcome.

#### APPLICATIONS FOR PROMOTION TO ASSOCIATE PROFESSOR (LEVEL D)

Applicants are reminded that these applications will be ranked by the Discipline Sub-Panel and the University Promotions Committee. Recommendations will be approved by the Vice-Chancellor.

Physical Science Discipline Sub-Panel: Ranking has been completed.

Biological & Health Sciences Discipline Sub-Panel: Ranking has been completed.

Humanities and Social Sciences Discipline Sub-Panel: Ranking has been completed.

The University Promotions Committee expects to finalise rankings by mid November, its recommendations will then be forwarded to the Vice-Chancellor. It is hoped that candidates will be informed in early December.

#### APPLICATIONS FOR PROMOTION TO PROFESSOR (LEVEL E)

A small number of reports still remain outstanding for these applications which Human Resources are pursuing.

Physical Sciences Discipline Sub-Panel: The Panel has completed its ranking.

Biological & Health Sciences Discipline Sub-Panel: A meeting will be held as soon as the outstanding reports have been received.

Humanities and Social Sciences Discipline Sub-Panel: A meeting will be held as soon as the outstanding reports have been received.

We thank members of the Faculty Committees and Discipline Sub-Panels for making themselves available for the meetings arranged.

STEVE DAYSH  
General Manager, Human Resources

### Parking Permits

Parking permit holders are reminded to re-apply for their 2001 permits.

Please visit the Property Services web site: <<http://www.psb.adelaide.edu.au/carpark/index.html>>. Select "Staff Parking Permit Renewal" and enter all information as required. Your permit will then be distributed in early December.

Please contact Property Services, tel 8303 3107 should you require further assistance.

### Campus maps

Coloured campus maps are due for their annual update. Please check your department's listing on the relevant North Terrace, Waite, Roseworthy or Thebarton Campus map.

If corrections/alterations need to be made please provide a photocopy of the appropriate portion of the map and index, and clearly highlight the proposed correction/alteration.

Please forward this information to **Brenton Kalz, Property Services Branch by Friday 15 December 2000.**

### Women's Professional Development Network

The WPDN is a development initiative for all women general staff of the University of Adelaide. 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 information and how to join, visit web site: <<http://www.adelaide.edu.au/wpdn>> or contact Danielle Hopkins (<[danielle.hopkins@adelaide.edu.au](mailto:danielle.hopkins@adelaide.edu.au)>, ext 33937) or Catherine Edis, (<[catherine.edis@adelaide.edu.au](mailto:catherine.edis@adelaide.edu.au)>, ext 36151).

**Annual Christmas Breakfast** on 6 December, Stamford Plaza! Cost: \$24.00 (Full breakfast) or \$17.50 (Continental). Bookings are essential, contact Di Coffey ext 35204.

### University Xmas cards

Adelaide University Xmas cards featuring the wall of the entrance portico of the new Molecular Life Sciences Building are available from the Media, Marketing & Publications Unit for \$2 each (including envelope).

Departmental orders should be submitted to Julie Ryke, tel 8303 4609 or email: <[julie.ryke@adelaide.edu.au](mailto:julie.ryke@adelaide.edu.au)>, with an internal transfer code.

Cash purchases can be made from the Unit, Room G07, Mitchell Building, North Terrace Campus. It would be appreciated if buyers could have the correct money.

### Perimeter Gates to close on Christmas Day

From midnight on 24 December 2000 to midnight on 25 December 2000, all perimeter vehicle and pedestrian access to the Campus will be closed.

University staff needing entry to the Campus on Christmas Day should contact the Security Office, tel 8303 5990.

JOHN LARWOOD  
Manager, Projects & Facilities

### Farewell

The friends and colleagues of **Professor F Andrew Smith** and **Professor Joe Wiskich** are invited to attend a combined farewell function to be held on Tuesday 19 December from 4.30pm - 6.30pm in the University of Adelaide Club to acknowledge their contribution to the University.

Nibbles will be served. Cash bar available. RSVP: Marilyn Saxon, tel 8303 4458.

### Barr Smith Library tours



ADLAIDE UNIVERSITY LIBRARY

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

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

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

### Future Directions and Highlights of Research

The Australian Institute of Nuclear Science and Engineering invites you to presentations on **Future Directions and Highlights of Research** on Thursday 7 December, 11am - 6pm, at McLaren's on the Lake, McLaren Vale.

Further information and registration available online at: <<http://www.ansto.gov.au/ainse/council.html>>.



## Meeting of the Senate

The annual meeting of the Senate will be held at 8.00pm on 22 November 2000 in Lecture Theatre 102, Napier Building. Professor Robert Saint, Professor of Genetics, Department of Molecular Biosciences, will speak on the topic "Genomes: why all the fuss?"

The main items of business will be:

- Confirmation of Minutes of Meeting held on 24 November 1999
- Business Arising from the Minutes - progress report from Select Committee
- Report on Annual Elections to Senate Standing Committee
- Motion from Mr David Hester: That the Senate recommend to the University Council that the Council reconsider its decision of 31/07/00 by which it delegated all its powers and responsibilities under the University Act to the Chancellor, and established a Chancellor's Committee to advise the Chancellor on the exercise of such delegation.

All members of the Senate (graduates, staff who are graduates of Adelaide University or equivalent institution, and postgraduate students) are welcome to attend.

SUSAN GRAEBNER  
Clerk of the Senate

## A dozen Grange for \$5!

Yes! For a mere \$5 you could win an assorted dozen of Grange Hermitage for Christmas. Even if you don't win the first prize, the other prizes are a wine-lover's dream:

- 1st One assorted dozen Grange Hermitage, \$4,500  
2nd Six assorted Grange Hermitage, \$1,500  
3rd & 4th One case of assorted Australian wines, each prize \$340  
5th & 6th One case of assorted Australian wines, each prize \$200  
7th & 8th One case of assorted Australian wines, each prize \$150

For tickets call 8303 4574 and ask for Rotary Raffle Tickets or email: <ben.yengi@adelaide.edu.au>.

## Native Title and Archaeology Workshop

**9.00am - 5.30pm, Monday 27 November, St Mark's College, North Adelaide. Sponsored by Australian Institute of Aboriginal and Torres Strait Islander Studies Native Title Research Unit and Department of Archaeology, Flinders University. Cost: \$25 (includes lunch, morning and afternoon tea).**

The workshop will be informal with each session chaired and introduced by a member of the invited panel.

- 9.00 Welcome by a representative of the Traditional Owners  
9.15 Archaeology in Native Title processes implications of recent cases Chair: Dr Lisa Strelein, Visiting Research Fellow (law), Native Title Research Unit, AIATSIS  
10.30 Morning tea  
11.00 The consultant archaeologist working with Native Title current issues and future directions Chair: Assoc. Professor Peter Veth, School of Anthropology, Archaeology and Sociology, James Cook University and National President of Australian Association of Consulting Archaeologists Inc.  
12.15 Lunch  
1.15 Negotiated Agreements a new direction? Co-Chair: Sue Smalldon, Archaeologist, South Australian Government Indigenous Land Use Agreements Negotiation Team and Monica Khouri, National Native Title Tribunal (SA-ILUAs)  
2.30 Have the legal processes marginalised the traditional owners? Co-Chair: Parry Agius, Manager, Aboriginal Legal Rights Movement and Chris Uren, National Native Title Tribunal (SA)  
3.45 Afternoon tea  
4.15 Review of major issues and recommendations Chair: Dr Keryn Walshe, Lecturer, Department of Archaeology, Flinders University  
5.30 Close

**Accommodation** is available at St. Mark's College

**Registration (and accommodation):** <tarnott@deh.sa.gov.au>, tel (08) 8204 9245, fax (08) 8204 9455.

**Further information:** <www.heritage.sa.gov.au/maritime> or <Pamela.Smith@flinders.edu.au>.

Held in conjunction with the AIMA/ASHA 2000 Conference, 28 November - 2 December 2000.

## Election results

The appointed day for the elections was Wednesday 8 November 2000.

### • ELECTION OF ACADEMIC STAFF MEMBERS OF COUNCIL (THREE VACANCIES):

There were six candidates for the three vacancies on Council, the vacancies being for two years from 6 March 2001. I declare the following candidates elected:

RODNEY JAMES CREWTHOR  
PETER MAXWELL GILL  
PATRICIA JOY SOLOMON

### <sup>a</sup> ELECTION OF GENERAL STAFF MEMBERS OF COUNCIL (TWO VACANCIES):

There were four candidates for the two vacancies on Council, the vacancies being for two years from 6 March 2001. I declare the following candidates elected:

JOHN DOMINIC CECCHIN  
JANET ANN DIBB-SMITH

### <sup>a</sup> ELECTION OF SENATE MEMBERS OF COUNCIL (THREE VACANCIES):

There were eight candidates for three vacancies on Council, the vacancies being for two years from 6 March 2001. I declare the following candidates elected:

EDWIN HARRY MEDLIN  
JOHN WILLIAM PERRY  
MICHAEL LEWIS ABBOTT

SUSAN GRAEBNER  
Returning Officer

## 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.

## Feeling hungry?

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

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

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

## Adelaidean Schedule 2001

The publication dates and deadlines for Bulletin Board entries, Classifieds and booking of advertising space are listed below:

Publication Date (Monday)	Deadline (Thursday 5.00pm)
5 February	25 January
19 February	8 February
5 March	22 February
19 March	8 March
2 April	22 March
16 April	5 April
30 April	19 April
14 May	3 May
28 May	17 May
11 June	31 May
25 June	14 June
9 July	28 June
23 July	12 July
6 August	26 July
20 August	9 August
3 September	23 August
17 September	6 September
1 October	20 September
15 October	4 October
29 October	18 October
12 November	1 November
26 November	15 November
10 December	29 November

## Research Branch: special notices

### NHMRC PROGRAM GRANT APPLICATIONS FOR 2002

The final policy statement for the new NHMRC Program Grants Scheme is now available on the NHMRC website at: <[www.health.gov.au/nhmrc/research/contents.htm](http://www.health.gov.au/nhmrc/research/contents.htm)>.

The deadline for notifying the Office of the NHMRC of Intent to Apply is 31 December 2000 while the internal deadline for final applications will be 30 January 2001. The Intent to Apply is not mandatory or binding but will assist the Office of the NHMRC to arrange peer review in a timely manner.

### ARC CLOSING DATES, 2001

Formal advice has been received from the Australian Research Council (ARC) of the closing dates in 2001 for applications for funding in 2002. They are:

16 March 2001: Discovery - Projects [formerly Large Grants and Fellowships] Internal close: 22 February

30 March 2001: Linkage - International Fellowships [formerly IREX Fellowships] Internal close: 15 March

12 April 2001: Linkage - Projects [formerly SPIRT] Internal close: 22 March

4 May 2001: Linkage - Projects (APA(I) only) [formerly SPIRT APA(I)] Internal close: 12 April

1 June 2001: Linkage - Infrastructure

[formerly RIEF] Internal close: 19 April (draft); 24 May (final)

21 June 2001: Discovery - Indigenous Researchers Development Internal close: 4 June

Continuous: Linkage - International Awards Internal close: continuous

### ARC INFORMATION SESSIONS

An Information Session at which the guidelines and application procedures for all of these schemes for 2002 and feedback on the 2001 application round will be discussed has been scheduled for Tuesday 12 December, from 10.30 am to 1 pm in the Council Room, Wills Building.

Details are available on the "What's New" page of the Research Branch website. Further sessions for those unable to attend in December, including one specifically devoted to completing the new application forms, will be held in the week commencing 22 January 2001. Further details will be available from the Research Branch in due course.

Pending the release of the 2002 guidelines and application forms, intending applicants are encouraged to commence drafting the "Additional Text" component of their applications as soon as possible, on the basis of the 2001 guidelines, for review by their colleagues.

[www.adelaide.edu.au/RB/](http://www.adelaide.edu.au/RB/)



# RESEARCH GRANTS AND SCHOLARSHIPS

## AND OTHER FUNDING SCHEMES

### Research Grants & Fellowships

The following is a sample of grant, fellowship and other research funding schemes currently available for application. The complete listing, together with guidelines and application forms for some of the major schemes, are available at: <<http://www.adelaide.edu.au/RB/>>. For hard copy applications and guidelines for the funding schemes listed, contact the Research Branch, ext 35137; or email <[kelly.parish@adelaide.edu.au](mailto:kelly.parish@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.

**Kresge Foundation - Science Initiative (equipment grants):** Internal closing date: Apply any time. Web site: <<http://www.kresge.org/programs/>>.

**British Academy - Special Schemes:** Internal closing date: Various. Web site: <<http://britac3.britac.ac.uk>>.

**Royal Society - International Scientific Opportunities: Fellowships:** Internal closing date: Apply any time. Web site: <<http://www.royalsoc.ac.uk>>.

**Hastings Centre - International Visiting Scholars Program (medical ethics):** Internal closing date: Apply any time.

**American Museum of Natural History - Collection Study Grants:** Internal closing date: Apply any time. Web site: <<http://research.amnh.org/grants/grantsprog.html>>.

**Hayashibara Biochemical Laboratories Inc - Hayashibara International Cancer Research Fellowship Program:** Internal closing date: Apply any time.

**Natural Sciences and Engineering Research Council of Canada (NSERC) - Visiting Fellowships in Canadian Government Laboratories - Eng / Comp / Math Sci:** Internal closing date: Apply any time. Web site: <<http://www.nserc.ca>>.

**DETYA - Australia Indonesia Merdeka Fellowship:** Internal closing date: 24 November 2000. Web site: <<http://www.detya.gov.au/international/merdeka.htm>>.

**Japan Foundation - Annual Grant Program:** Internal closing date: 24 November 2000.

**Australian Telescope National Facility, CSIRO - Bolton Postdoctoral Fellowship:** Internal closing date: 24 November 2000. Web site: <<http://www.atnf.csiro.au>>.

**Fisheries Research and Development Corporation - Research Funding:** Internal closing date: 24 November 2000. Web site: <<http://www.frdc.com.au>>.

**University of Cambridge - Corpus Christi College - Visiting Fellowships:** Internal Closing Date: 1 December 2000. Web site: <[http://www.corpus.cam.ac.uk/fellowship/visiting\\_fellow.shtml](http://www.corpus.cam.ac.uk/fellowship/visiting_fellow.shtml)>.

**Howard Hughes Medical Institute - Postdoctoral Research Fellowships for Physicians:** External closing date: 13 December 2000 (must apply online). Web site: <<http://www.hhmi.org/grants/graduate/application/index.htm>>.

**American Association of University Women Educational Foundation - International Fellowships for 2001-2002:** Internal closing date: 15 December 2000. Web site: <<http://www.aauw.org>>.

**International Union Against Cancer - Yamagiwa-Yoshida Memorial International Cancer Study Grants:** Internal closing date: 18 December 2000. Web site: <<http://www.fellows.uicc.org>>.

**Middle East Desalination Research Centre - Improvements in the Low Energy Vapour Compression Distillation Technology:** Internal Closing Date: Pre-proposals submitted any time; Full proposals 15 January 2001. Web site: <<http://www.medrc.org.om>>.

**Cotton Research and Development Corporation (CRDC) - Research Projects, Scholarships and Awards:** Internal closing date: 22 January 2001. Web site: <<http://www.crdc.org.au>>.

**New Educational Aids in Medicine and Science (NEAMS) - Trust Grants:** Internal closing date: 24 January 2001.

**American Association of University Women - Annie Jump Cannon Award in Astronomy:** Internal closing date: 29 January 2001. Web site: <<http://www.aauw.org/3000/awards/ajcbd.htm>>.

**The Channel 7 Children's Research Foundation of SA - Research Grants:** Internal closing date: 29 January 2001.

**The Australian National University - Humanities Research Centre - Visiting Fellowships 2002:** Internal closing date: 18 January 2001. Web site: <<http://www.anu.edu.au/HRC/>>.

**Anti-Cancer Foundation SA - Support for Distinguished Visitors 2001:** Internal closing date: 19 January 2001. Web site: <<http://www.cancersa.org.au>>.

**Australian Museum - 2001 Eureka Prizes (for Environmental Education; Industry; Critical Thinking; Environmental Journalism; Promotion of Science):** Internal closing date: 2 February 2001. Web site: <<http://www.austmus.gov.au/eureka>>.

**Finnish Centre for International Mobility - Bilateral Scholarships (all disciplines):** Closing date: 15 February 2001. Web site: <<http://www.cimo.fi>>.

**Churchill Trust - Churchill Fellowships for Overseas Study 2002:** Internal closing date: 21 February 2001. Web site: <<http://www.churchilltrust.org.au>>.

**Chiang Ching-kuo Foundation for International Scholar Exchange - CCK Foundation Travel Grants:** Closing date: 1 March 2001. Web site: <<http://www.cckf.org/amprogram/tg.html>>.

**Australian Flora Foundation - Research Grants for Funding in 2002:** Internal closing date: 2 March 2001.

**CERN - European Organisation for Nuclear Research - Scientific Associateships:** Internal closing date: 23 March 2001. Web site: <<http://www.cern.ch/CERN/Divisions/PE/HRS/Recruitment/associates.html>>.

**National Facility Steering Committee Oceanic Research Vessel Franklin - Call for applications for use of Franklin in 2002 and expressions of interest for 2003 and beyond:** Internal closing date: 24 March 2001. Web site: <<http://www.marine.csiro.au/franklin/>>.

**Crane Rogers Foundation - Institute of Current World Affairs Fellowship Program:** Internal closing date: 24 March 2000 for a June decision. Web site: <<http://www.icwa.org>>.

**John Nicholas Brown Centre - Research Fellowship Program:** Internal closing date: 1 April 2000.

**Matsumae International Foundation - Fellowship Program:** Internal closing date: 17 July 2001.

**Heart Foundation - Travel Grants:** Travel Grants may be applied for at any time. (Applications should be lodged as early as possible to allow time for further correspondence, but not later than two months before the departure date). Web site: <[http://www.heartfoundation.com.au/research/index\\_fr.html](http://www.heartfoundation.com.au/research/index_fr.html)>.

**Wellcome Trust - Various Fellowships, Grants and Travel Awards:** (biomedical

research): Applications can be submitted at any time. Web site <<http://www.wellcome.ac.uk/>>.

**Australian Centre for International Agricultural Research (ACIAR) - Projects:** Applications may be submitted at any time. Web site: <<http://www.aciar.gov.au/>>.

**Australia Council for the Arts:** The Council offers a variety of funding opportunities - New Work; Presentation and Promotion; Development; Triennial Grants; Fellowships; Partnerships; and Commissions. Web site <<http://www.ozco.gov.au>>.

**National Parks Foundation of South Australia Inc - Research Grants:** Internal closing date: Applications may be made at any time. Web site: <<http://nfsa.mtx.net/frames.htm>>.

**American Chemical Society - Programs of the Petroleum Research Fund:** Applications may be made at any time. Web site: <<http://www.acs.org/acs/gen/prf/grant.htm>>.

**Australia Council Grants Program - Aboriginal & Torres Strait Islander Arts:** Internal closing date: Various. Web site: <<http://www.ozco.gov.au/atsia/index.htm>>.

**Australian Academy of Technological Sciences & Engineering - The Crawford Fund Training Fellowships:** (international research in agriculture and natural resource management): Applications may be made at any time. Web site: <<http://www.atse.org.au/crawford/crawford.htm>>.

**Commonwealth Department of Veterans' Affairs - Local Commemorative Activities Fund:** Internal closing date: Apply at any time. Web site: <<http://www.dva.gov.au/health/grants/grants.htm>>.

**Alexander von Humboldt Foundation - Max Planck Research Awards for International Cooperation:** (any academic discipline): Applications may be made at any time. Web site: <[http://www.avh.de/en/programme/stip\\_aus/stp\\_01.htm](http://www.avh.de/en/programme/stip_aus/stp_01.htm)>.

**International Wool Secretariat - Research and Development Projects:** Applications may be submitted at any time.

**Industry, Science & Resources; Dept of (DISR), Technology Diffusion Program (TDP):** This program has three integrated components:

- Technology Alliances (includes Industrial Research Alliances Program),
- Technology Transfer and
- On-line Business.

Further information about the TDP is available from the AusIndustry web site: <<http://www.ausindustry.gov.au/tdp>>>

**National Geographic Society - Grants for Scientific Field Research and Exploration:** Internal closing date: Apply any time. Web site: <<http://www.nationalgeographic.com/research/grant/rg1.htm>>>

**Lady Davies Fellowship Trust, Israel - Fellowships:** Various closing dates. Web site: <<http://www.sites.juji.ac.il/LDFT>>.

**National Sciences and Engineering Council of Canada - Visiting Fellowships in Canadian Government Laboratories:** Applications may be submitted at any time. Web site: <<http://www.nserc.ca>>.

**The Royal Society - International Scientific Opportunities - Fellowships, Study Visits and Joint Projects:** Various closing dates. Guidelines and application forms available from <<http://www.royalsoc.ac.uk/ies/ies.htm>>.

**Department of Communications, Information Technology and the Arts:** Visit the web site - a single point of access to a full range of information and opportunities available (more than 4,500

grants, programs and services). Web site: <<http://www.dcita.gov.au>>.

**Boehringer Ingelheim Fonds - Travel Allowances:** (biomedicine). Applications may be submitted at any time. Web site: <<http://www.bifonds.de>>.

**Australian Spinal Research Foundation: Grants-In-Aid / Travel Grants:** Applications may be submitted at any time.

### 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 - SA Inc Trust Fund:** Details of various bursaries offered by the AFUW to postgraduate students (research and Coursework), are now available on request. Values range from \$2,000-\$6,000. The Padnendadlu Bursary invites applications from indigenous Australian women who are enrolled in a PhD or Masters (research or coursework) at a SA university, have a good undergraduate records; and are not in full-time paid employment or on full-paid study leave during the tenure of the Bursary. Closing: 1 March 2001 (AFUW).

**Cambridge University - Peterhouse - Friends of Peterhouse Bursary:** Open to a those who intend to be candidates for a degree at Cambridge, either undergraduate as an affiliated student or to pursue a one or two year taught course as a graduate student. Applications available from Senior Tutor, Peterhouse, Cambridge CB2 1RD. Those wishing to be affiliated students are reminded that applications for places at all University colleges close on 15 October 2000. Information sheet available on request. Closing: 1 April 2001.

**Cambridge University - Peterhouse - Research Studentships:** Applicants must intend to be candidates for PhD at Cambridge University. First consideration will be given to candidates who nominate Peterhouse as their College of preference in their Cambridge Intercollegiate Graduate Application Scheme form (CIGAS). Applications available from Senior Tutor, Peterhouse, Cambridge CB2 1RD. Information sheet available on request. CIGAS applications and prospectus available from the Board of Graduate Studies, 4 Mill Lane, Cambridge CB2 1RZ. Closing: 1 April 2001.

**Embassy of the Republic of Indonesia - Darmasiswa Program:** Offered annually to Australian citizens wishing to undertake one-year, non-degree programs at tertiary level in Indonesia commencing August/September 2001. Applicants must be Australian citizens, aged 35 years or less, have completed high school certificate or equivalent and have basic knowledge of the proposed field of study. Closing: 31 December (ACT)

**RSPCA - Alan White Scholarship 2001:** Open to full-time students seeking funding for original research aimed at improving the welfare of animals in Australia. The scholarship is not restricted to any particular discipline and applications for all fields of study are invited. Value: \$2,500. Closing: 30 March 2001 (ACT).

**Sugar Research and Development Corporation:** The Corporation has established awards to recognise contributions to research and development in the sugar industry. Value: \$2000. The preferred mode of application is via nomination by peers (either from the research/extension community or the sugar industry). Individuals may also apply directly. Closing: 30 November (Qld).