

# Adelaidean

NEWS FROM ADELAIDE UNIVERSITY

MARCH 27, 2000

## Computer model to predict toxic algal outbreaks

BLOOMS of blue-green algae in the River Murray could be predicted up to four weeks before they occur thanks to a new computer model being developed at Adelaide University with the help of industry.

The model—an Australian first—has already shown early signs of success.

Adelaide University student Mr Gavin Bowden is working on the project as part of his PhD with the Department of Civil & Environmental Engineering. His research is funded by an Australian Research Council SPIRT grant, in partnership with United Utilities Australia (formerly known as North West Water).

United Utilities has a 25-year contract with SA Water to operate 10 water treatment facilities along the lower Murray, providing water to more than 150,000 South Australians.

Outbreaks of toxic blue-green algae pose a major threat to the quality of water.

"Until now, traditional attempts to predict outbreaks of blue-green algae have been unsuccessful," Mr Bowden said.

He has achieved some success using a special computer modelling process which mimics the human brain. The "artificial neural networks" utilised by the computer model enable it to "learn" the key factors which contribute to an algal outbreak, enabling the prediction of major blooms before they arise.

Mr Bowden has been supplying his computer model with data provided by SA Water and the Murray-Darling Basin Commission. The data was compiled from water samples collected every week over the last 20 years at Morgan in the Riverland.

"A range of environmental factors in the water are taken into account by the model," Mr Bowden said.

"These include nutrients, such as nitrogen and phosphorous, the flow and temperature of the water, turbidity and colour.

"There are other factors which influence the development of blue-green algae, but the beauty of using neural networks is that you can get reasonable predictions by including just the major factors."

Early results are extremely promising. When the computer's forecasts are measured against actual events, the predictions come close to the mark. Although not 100% accurate, they clearly show the peaks and troughs in algal bloom development.

"This is far better than other previous modelling techniques, and is very promising. The model picks up the overall pattern of algal activity—not only that, it's picking it up a full four weeks in advance," Mr Bowden said.

Right now, Mr Bowden is developing the model on his computer based at the University. He believes a fine-tuned, fully workable model that can be used by United Utilities is only about six months away.

"The ultimate goal is to have this model sitting either at the head office in the city or at the treatment plants themselves, where they can be used to forecast algal blooms.

"The importance of predicting the blooms is that, due to the associated algal toxins, they present a major water quality problem; and their treatment can be costly. If the model forecasts a bloom four weeks in advance, industry can get the appropriate treatment processes ready and tackle the problem straight away, saving time, money, and maintaining the quality of the water."

Another important aspect to the computer model is the ability to better understand the factors involved in toxic algal outbreaks. Mr Bowden said the computer model could be "interrogated" to reveal the principal factors causing algal blooms.

He's now looking to adapt the computer model for other uses, such as the all-important problem in the Murray: salinity.



PhD student Gavin Bowden. Photo: David Ellis.

"The cost of salinity to domestic and industrial water users in Adelaide, as estimated back in 1984, was US\$22 million per year, so the problem is probably much worse now," Mr Bowden said.

"I'm looking at improving the forecasts used for salinity, which could be used in conjunction with other models.

"If you knew a few weeks in advance that a large volume of highly saline water was moving down the Murray, water could be pumped to the Adelaide reservoirs before or after that to avoid pumping the saline water."

But the applications of the computer model don't stop there. Mr Bowden believes the model could be used throughout the world to predict problems of water quality.

"All you need is the right data for a particular

water supply and you can apply the same modelling processes.

"Wherever water quality is of concern, it can be used," he said.

Mr Bowden will deliver a paper on his findings at the Hydro 2000 conference in Perth in November this year, and also at the 2nd International Conference for Applications of Machine Learning to Ecological Modelling in Adelaide in November/December.

His research is supervised by Professor Graeme Dandy and by Dr Holger Maier, whose own PhD work formed the basis of this study. Mr Bowden also acknowledged the great support received from Mr Neil Palmer at United Utilities and Mr Mike Burch at the Australian Water Quality Centre.

—David Ellis

### WORLD environment day



5 JUNE ADELAIDE AUSTRALIA

THE United Nations Environment Programme (UNEP) has chosen Adelaide as its host city for World Environment Day (Monday 5 June 2000).

To celebrate the event, the *Adelaidean* presents a special issue, combining a range of environment-related stories and a supplement dealing with the Encounter 2002 Flinders-Baudin project.

World Environment Day is aimed at increasing the awareness of environmental issues on a global level. The events held in the City of Adelaide and its surrounds place a strong degree of national and international attention on our environmental efforts.

Adelaide University has a rich and diverse history in environmental issues and research. Today, environmental research is conducted across more than 30 departments of the University in all of its Fac-

ulties. It should be noted that this year marks the 25th anniversary of the establishment of Environmental Studies at Adelaide, now part of the Department of Geographical & Environmental Studies.

The stories presented in this issue give a taste of the diversity of the work being done here at Adelaide, but they are a mere scratch on the surface compared with the entire research and teaching effort of staff and students.

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## Judith Brine steps down

THE Executive Dean of the Faculty of PALACE (Performing Arts, Law, Architecture, Commerce and Economics), Professor Judith Brine, has announced she is stepping down to devote more time to her work with Adelaide City Council.

Professor Brine, who was re-elected to the Council last month, has agreed to continue working at the University on a fractional-time basis on special projects.

Vice-Chancellor Professor Mary O'Kane said she was pleased Professor Brine would continue to contribute to the University.

"I am not keen to have any major restructuring at this time so I have decided, as an interim measure, to ask Professor Malcolm Gillies to take on the role of Executive Dean of PALACE, in addition to his role as Executive Dean of Humanities and Social Sciences.

"Initially, I see this appointment as going until the end of this year. The budgets for each Faculty will remain separate," she said.

—John Drislane



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# COMMENTARY

## VIRTUAL LIBRARY—OPENING SOON

**Mr Ray Choate**  
University Librarian

The virtual library is getting closer.

Pundits have been saying for a few years now that the book, as we know it, is dead, that the Internet is the public library of tomorrow, and that librarians are going to morph soon into "cybrarians".

The reality is a little less dramatic.

As a comparison, only a decade or so ago everyone was predicting the demise of the movie theatre, as the home video soared in popularity. A Friday night visit to the mega cinema complexes, as well as to the local video shop, shows that movies are still popular, both in the cinema and on home video!

The same is true for information. Rather than drive people away from libraries, the Internet has in many ways served as a "wake-up" call to the value of information. Thanks to the Internet, people are now more alert to the wide scope of information sources that are available and are developing an understanding of the information literacy skills that one needs to be able to find and use information. The librarian is increasing in importance as someone who has these essential skills to acquire, organise, find and use information.

We are seeing an integration of print and virtual environments in libraries today. Libraries are embracing technology as a process, and exploiting those digitised attributes that enable information to be stored and retrieved more competently. Some in fact say that the present stage of development is not so much the "Virtual" as the "Hybrid" Library. Indeed, Libraries such as ours are in the fortunate position to combine the best of this hybrid form to serve the needs of the University community.

By embracing electronic information, the University Library can deliver a superior service to the University and the broader South Australian community, and in some cases the rest of the nation and the world.

Some of our major electronic initiatives include:

- the Library's website—making it possible for librarians to develop collections of material and make "personal deliveries" of information to your office, home or laptop. The Internet allows access to an immense variety of information that is available throughout the world. At the same time, it also demonstrates the frustration of sorting through masses of information, if one does not have the skills and expertise to search and retrieve precise information. Libraries are using the Web to make their collections easier to

use and navigate. Our goal is to make it easier for people to get from their keyboard to the actual resource.

Currently under construction is the "Electronic Resources Collection"—a browseable, searchable database of all electronic resources, such as e-journals, e-books and databases available to the University community.

- WebPAC—a Web interface to our catalogue. WebPAC allows for direct links to electronic resources, whereas in the past one might have used a catalogue only to discover useful resources and then made a note of their location within the collection. The aim is to make the catalogue the single database of records describing the books, print journals, microfiche physically held by the library, as well as records of over 2000 electronic journals, databases and other selected Web resources with direct links to the full-text of the electronically stored information. Authorised borrowers will eventually be able to use the catalogue to initiate interlibrary loans and intercampus loans via specially designed web forms.

- Service agreements—in addition to our core client groups of students and faculty, we can now expand services to other areas of the community. Our service agreement with the SA government to provide services for mental health staff is a good example. We have a strong mental health collection and specialist professional staff knowledgeable across mental health, nursing and related topics. Our service agreement has resulted in the opportunity to develop and expand the range of print and electronic resources available to both parties, to the mutual benefit of our University community, and the government sector staff working in mental health areas across the State. Such an agreement becomes easy to manage in a digital environment, where staff across Government areas can use the library from their desktop, and communicate via email, and with the increasing availability of monographs and journals in electronic format, problems of distance can be all but overcome with access to the Internet. The library has also developed similar service agreements with Primary Industries and Resources South Australia (PIRSA) and SA Research & Development Institute (SARDI), and will explore others which complement to the Library's collecting scope and service parameters.

- Subject Guides—providing subject "gateways" to internet resources. The Library's Subject Guides have evolved over six years to

“the Internet has in many ways served as a “wake-up” call to the value of information”

become useful resources across a range of disciplines. The pages are customised to the Adelaide University course curricula, with embedded

links to sites throughout the world, and consistently prove to be relevant and useful resources for staff, students and faculty. Our statistics show a very high hit rate with, for example, the French page receiving more than 3000 hits, chemistry and nursing receiving about 1000 hits each; there are 17 other Subject Guides available. Research librarians take a proactive approach to developing the pages and keeping them up to date, and building the Library's virtual collection. They are actively searching for new quality resources to include on the pages, so that in a real sense the Subject Guides are living documents, constantly changing. One "cooperative subject gateway" is AGRIGATE, specialising in agriculture. The result of a partnership between the universities of Adelaide, Melbourne and Queensland libraries and CSIRO (and supported by grants from the Australian Research Council), AGRIGATE is a splendid example of the cooperation and shared funding that can now be achieved in a digital environment. Although aimed at Australian researchers, its usefulness extends to researchers, practitioners and students throughout the world.

- Library tutorials—the use of the World Wide Web for instruction is gaining in popularity throughout the world, as educators and trainers realise its potential as a teaching tool. Following this trend, the Library initiated a pilot project to transfer its library skills workbooks for incoming students to an electronic environment. The Science Library workbook was selected for the initial trial and the 1999 intake of 440 science students had a leading digital edge start to library skills development. Based on the favourable response to the initiative, it is being progressively expanded across arts, health sciences, and economics students.

- Electronic Texts Collection—the Library has a pilot collection of electronic texts, from Homer to JS Mill, that are designed to be readable from the computer screen. These texts have been catalogued, along with the entire plain-text Project Gutenberg collection, so that almost 3000 texts—including many for which the print edition had been relegated to the Joint Store—are now searchable through the Library Catalogue, and available at a mouse click through our WebPAC. The E-Text pilot and Project Gutenberg currently attract over 2000 visits a day to our Web server, so, clearly, there

is scope to further develop this form of information access.

- Mirror sites—the Library was also the first in Australia to provide a mirror to the Los Alamos National Laboratory archive of physics and mathematical research. The mirror was a cooperative venture between the US National Science Federation, Adelaide University's National Institute for Theoretical Physics (Physics Department) and the Library. The mirror provides valuable access to scholarly research that has yet to be published in print format. Since much of this research originates overseas, the mirror provides a valuable and cost-effective opportunity for Australian researchers to stay ahead of the scholarly publishing in their fields. Abstracts of forthcoming work are provided.

When viewed in the context of World Environment Day, it is important to note that the range of electronic-based programs now underway at the University Library have intrinsic environmental benefits. It is true that electronic "paperwork" can save time... and trees.

E-mail is changing communication processes and streamlining administrative tasks across a range of library functions, which in turn have positive results for library users. For instance, at the end of each year our library used to have a huge printed list of items on Reserve. It was necessary to print multiple copies of the lists, send them to all faculties, and then follow up with phone calls to find out what needed to stay on the list and what could be returned to general use within the collection. Now it is all done by e-mail, and in half the time. Faculty are sent the lists by email with an online response form that is easy to complete and encourages a quick response. And, since we no longer have to print the lists, we see it as saving a small forest!

Although our "virtual library" is still a budding one, there have been significant breakthroughs in the delivery of electronic information services—and there are a range of services either not discussed here or still in development. These services can only improve the use of information in our communities, and show that libraries have a key role to play both in the present and future of education.

To see for yourself, visit the Library's website at: <http://www.library.adelaide.edu.au/>.

*This commentary has been adapted from an issue of the Library News. The original can be obtained from the Librarian's office or on the web at: <<http://www.library.adelaide.edu.au/uall/publ/News>>*

## Letters to the Editor

Please send your letters to the editor, David Ellis, at the address below or email to: [david.ellis@adelaide.edu.au](mailto:david.ellis@adelaide.edu.au).

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## Rethinking Federalism



'Rethinking federalism' (8 May 2000) by Visiting Professor Allan Patience abounds in creative connections. The author tells us that incorporation of Tasmania into

Victoria would result in improvements to Tasmanians' health, transport and communications. Don't we all know that the bush is everywhere at the mercy of the metropolis? He also thinks elimination of the states' Upper Houses would correct the problem of politicians being "cravenly obedient". How so? Their cravenness is pure self-interest disguised by the phrase 'party discipline' (each polle courts the leaders that control his/her preselection.) The only remedy is for the public to stop assenting to this abomination of representative democracy.

I found Patience's re-think of federalism to be a bit thin on the think. He blithely advocates a weakening of states' power both because that is the trend anyway ("The Commonwealth [is] inexorably taking charge...") and because localism is automatically to be disparaged. 'Localism', however, has two valuable aspects. One is simply the access it gives citizens: it is easier to visit your local MP than to visit

Canberra. The million voters who resorted to Pauline Hanson's One Nation Party would be astonished by Patience's statement that the people of Western Australia and Queensland "would have everything to gain" by a move away from federalism. Thomas Jefferson is on the side of the Hansonites here. He once wrote, "As Cato concluded every speech with 'Carthago delenda est', so do I every opinion, with the injunction 'Divide the counties into wards'."

The other valuable aspect of localism is group identity—the instinctive sense of belonging to a particular group. Patience writes, "The perverted idea of State nationalisms—based on colonial settlement patterns!—is just too silly for words." In my opinion it is neither silly nor perverted—it is normal. And cannot the joy of being a South Australian promote, rather than prevent, the sense of being an Australian?

Admittedly, localism is a morally inferior type of altruism—inferior by definition since the great moral and religious systems urge universalism: "Treat all men as your brothers." But can universalism flourish where the culture gives idealism no quarter? German scholar Günter Minnerup, visiting our campus recently, noted that the once-inspiring ideal of a European Union is now flat. This is partly, he says, because

candidates for office prefer to be seen to 'fight Maastricht'—they wouldn't dare call for sacrifices to be made for the good of all.

Altruism needs a religious-like context to make it work. The cheap metaphysics of the globalisation school won't do. (Why do so many people fall for the 'logic' that a unification of the world market will turn people into world citizens, caring about their fellow humans?) My wariness of the globalisers initially caused me to wonder if "Re-thinking federalism" had a hidden agenda. I quote Patience: "In a globalising world, the Australian federal system is a constraint on national prosperity." He believes that laws should be pruned and rationalised "to boost productivity [spare me!] and economic growth". Rather than show how this might work, however, he refers again to the inferiority of localism and the threat it poses to 'democracy.' He says: "Stubbornly believing that old boundaries should be maintained without question will foster the growth of inequalities and [wait for it] the decline of Australian democracy."

May I here thank the Editor for other parts of the 8 May issue of the *Adelaidean* which I found magnificent.

**Mary Maxwell**

PhD graduate and current Law student

# Medical Research Week 2-9 June

CAREERS in medical science will be highlighted during Medical Research Week (2-9 June) with a Careers Day being held at the Investigator Science Centre, Wayville, on Wednesday 7 June.

Dr Lindsay Richards from Adelaide University's Dental School will be among a number of guest speakers at the Investigator informing high school students about potential career paths in medical research.

The idea is that students will have the opportunity to learn what a career in medical research is all about from those who know best—the scientists themselves.

One particular focus this year is on how medical research can benefit sport and athletic performance, including methods of improving sporting ability without the need for performance-enhancing drugs.

Representatives of all three South Australian universities will provide course information for students.

The official launch of Medical Research Week will be Tuesday 6 June, opened at the Radisson Playford Hotel by the Hon. Mike Elliott, leader of the Democrats in South Australia. Also attending the opening are Dame Bridget Ogilvie, former director of the Wellcome Trust, and Dr Peter O'Laughlin, president elect of the Australian Society for Medical Research (ASMR).

Dame Bridget Ogilvie will be the guest speaker that same evening at a formal dinner at the Radisson Playford. Her speech will discuss "the crisis in Australia's universities" and her experiences as director of the Wellcome Trust in the UK.

"The lack of funding support from the



Australian government to the sciences threatens entire university departments with closure," Dame Bridget wrote in an abstract of her speech.

"This is having a follow on effect that is reducing the quality of both education and research, at a time when other governments are increasing their commitment to higher education (Canada has recently created 2000 new academic appointments)."

Under Dame Bridget's direction, the Wellcome Trust was successful in rescuing research within many universities facing a similar crisis. As a guest of the ASMR, she will attempt to encourage government in Australia "to recognise the fundamental connection between the support of university science education and research with the delivery of first world health

standards".

Medical Research Week concludes with the annual Scientific Meeting, held this year at Adelaide Oval on 9 June. The meeting brings together medical researchers to discuss ideas and to present their work in progress.

As in previous years, the aim is to give young researchers the chance to gain valuable speaking experience and to engage with peers and leaders in their field.

A special symposium is arranged for South Australia's "young high fliers", who have considerable experience and are themselves considered leaders in their fields. They include Professor Peter Rathjen, Head of Adelaide University's Department of Biochemistry, who was this year announced a Tall Poppy of South Australian Science.

## Indonesian judges introduced to environmental law and enforcement

EIGHTEEN Indonesian legal experts have arrived in Adelaide to continue a three-month environmental law course which has taken them all around Australia.

The Indonesians, who are taking part in the Environmental Law & Enforcement in Australia Short Course 2000, were officially welcomed to Adelaide at a function held in the Elder Hall foyer on Tuesday 23 May.

The course is being run—with AUSAID funding—by the Australian Centre for Environmental Law (ACEL), which is based at the Law Schools of Adelaide and Sydney universities, in association with SAGRIC International and the Indonesian Australian Study Training Program.

The Director of ACEL (Adelaide), Associate Professor Rob Fowler, said the 18 Indonesians comprised 14 judges, two Bapadel officers (the Indonesian equivalent of South Australia's Environment Protection Agency), and two staff of the Indonesian Centre for Environmental Law.

"The course aims to introduce them to both the broad substance of environmental law and the practical aspects of environmental enforcement," Associate Professor Fowler said.

"While in Adelaide, they will undergo placements at the Environment, Resources & Development Court and the Magistrates Court, so they can see first hand how our courts operate.

"The ultimate aim of the course is to strengthen the implementation and enforcement of Indonesian environmental law. The trainees will work on Action Plans to take back to Indonesia, under which they will spread the knowledge and experience they have acquired amongst other judges and lawyers and through their



Wilto Yerlo's Sonny Keeler (foreground) performs on the didgeridoo as part of the official welcoming function in the Elder Hall foyer for the 18 Indonesians taking part in the Environmental Law and Enforcement in Australia Short Course 2000. Also pictured are (from left) Teguh Haryanto, Lucas Prakoso, Alia Al Hasna, Ari Mohammad, Yazid, PPH Sitorus, Budhy Hertantiyo, SAGRIC International's Bob Wilson, Nixon FLP Silalahi and Josi Khatarina. Photo: Ben Osborne.

local communities."

The group will spend six weeks in Adelaide, having already spent four weeks in Sydney and attended the LAWASIA Environmental Law Issues in the Asia Pacific conference in Darwin.

"We see this program as extremely timely in terms of the tremendous changes which are currently taking place in Indonesian society," Associate Professor Fowler said.

"The restoration of the rule of law and promotion of democratic government is being pursued vigorously at present in Indonesia. Hopefully, the trainees with whom we are working will be able to make a distinctive contribution in the future to these processes, as well as utilising their new expertise in environmental law and enforcement."

—Ben Osborne



## What you said

When I sent an email to all staff last month inviting views on possible university rationalisation in South Australia, I was unsure of the level of interest in the topic within the university community. As I said at the time, we have never had a widespread discussion of the issue.

Two things are clear from the responses I've received: (1) there's a great deal of interest in the issue, and (2) there's strong support for some form of rationalisation.

At the time of writing, I have received more than 50 responses. They have come from staff in all areas of the University and the overwhelming majority of them—about 90%—have been pro-rationalisation.

Some favour a single university for the State, some propose two universities and some favour a more limited form of integration (ie only in particular fields of study/research). Most believe South Australia is too small to support three universities. They argue that rationalisation would combine the strengths of the existing institutions and eliminate waste and duplication.

Opponents say amalgamation would mean dilution and loss of diversity. They see few benefits for students or staff and believe economies could be achieved without mergers.

One of those who took the time to write to me was Professor Allan Patience, Visiting Professor in Social Inquiry, who actually put the case for rationalisation to a seminar at Flinders University last month. He believes that combining the strengths of the three universities is a prerequisite for developing a real "education culture" for the city and State.

"They (strengths) are considerable—but divided SA falls academically; united it could be a giant," he wrote in his email.

The following quotes are from a representative sample of the emails I have received so far.

"We can either each die deaths by a thousand blows (funding cuts) or bite the bullet and face the painful amalgamations..."

"The rationalisation I have in mind is that which is based on the common pursuit of opportunities to the mutual benefit of those involved. This form of rationalisation is quite different, therefore, to that of the Dawkins era."

"Blind Freddy can see this (rationalisation) is inevitable. Why in this day and age of IT explosion and population stagnation should we run three partly funded libraries, three inadequately resourced commercialisation arms, three student administration branches, three finance departments, three international offices etc. at a time we clearly are hurting is beyond me."

"There is considerable duplication of effort and overall waste in this State as a result of having three universities. That's not to say that competition is bad. Rather we compete over a such a small education market that the competition is counterproductive."

"There may be some benefits to students in increased portability of credits, but this does not require mergers. I can see no benefits in terms of space... few benefits in terms of staff rationalisation... no benefits in terms of research or its funding... no benefit in prestige."

"Adelaide survived the push for mergers in the Dawkins era relatively unscathed (though not entirely and the consequences are still being dealt with...). Let us not volunteer for an experience which I believe has largely been negative for the established universities."

Thank you to everyone who has taken time to write to me on this issue. I believe it's an issue of major importance for the future of this State and I'm pleased that so many of you want to participate in the debate.

MARY O'KANE

# From green to grey: new book traces history

AUSTRALIA'S green movement needs to become more international in outlook, according to the author of a new book on environmental politics.

Dr Timothy Doyle, a Senior Lecturer in Adelaide University's Department of Geographical & Environmental Studies, says green networks here are "insular" and too focused on domestic issues.

"They should be engaging more in transnational politics," Dr Doyle said.

"Australian mining companies are major operators overseas, and environmental groups here should be working more with green networks in the countries where they are operating.

"We've globalised our lives by handing everything over to market forces. Now we need to engage in global politics."

Dr Doyle's book, *Green Power: The environment movement in Australia*, traces the story of non-institutional environmental politics in Australia since the 1960s. As an activist himself, he describes it as "an

unashamedly engaged book". He is frank about the movement's faults.

Green networks here are unsophisticated compared with those in the Philippines, for example, and many other countries. They are anti-intellectual and resent criticism, he said. They are obsessed with the environment as something "out there"—trees or animals—and not something with a human dimension. And, with the exception of anti-nuclear groups, they are failing to attract young people, he said.

But Dr Doyle said these weaknesses must be viewed in a wider social context.

"In the 1970s, Australia, along with Germany, was in the vanguard of the environmental movement.

"Over the past 30 years the attack on the movement by State and Federal Governments has been unprecedented. It is now between a rock and a harder place. It's seeking new ways in which to remain a dissenting voice in Australian society, but Australian society is a very silent place at the moment."

The book identifies three major

periods in Australian environmentalism over the past three decades: the periods of unrestrained use, of sustainable use and of "wise and sequential use".

"The argument being used in environmental management today is 'let the market decide'. There's no limit to growth. This is what I call the 'gang bang theory of nature'.

"There's a belief that through good environmental management we can have our cake and eat it too. I don't think we can."

During his term as President of the Conservation Council of South Australia (1997-99), Dr Doyle initiated research into the "greying of the greens".

"There's no doubt the wilderness networks are greying and the anti-nuclear groups are the ones attracting young people.

"What we discovered was that it's not just green politics but community politics that is greying. Young people aren't engaging in community politics.

"Community politics in Australia has been almost dismantled. That is



Dr Tim Doyle with his new book. Photo: John Drislane.

because the whole notion of community is being disassembled. We've got to accept that Australian society is not a very healthy society as regards tolerating diversity or dissent."

In this climate, Dr Doyle believes the environment movement deserves credit for its endurance.

"At the moment, the environment

movement coupled with that of indigenous peoples seem to be the only real counterpoints to government activity."

—John Drislane

*"Green Power: The environment movement in Australia" is published by UNSW Press and has a RRP of \$37.95.*

## Hero of great apes wins national science award

AN animal behaviourist from Adelaide has become the nation's latest Unsung Hero of Australian Science, an award bestowed each year during National Science Week by the Australian Science Communicators.

The award was presented to Ms Carla Litchfield, a lecturer and PhD student in Adelaide University's Department of Psychology, who is working in Uganda to conserve the three African great apes—gorillas, bonobos and chimpanzees.

Ms Litchfield has written a handbook for great ape ecotourism. A strong tourism industry offers the apes their best protection because it employs locals and emphasises the value of both the animals and their environment.

Ms Litchfield has recently returned from three weeks in Uganda, revisiting chimpanzee and mountain gorilla sites. She was also invited to

attend a workshop which examined how the tourist massacre at Bwindi had affected tourist numbers, and to explore ways to deal with the crisis now facing chimpanzees.

"The great apes were considered to have 15 to 20 years before they faced extinction there," said Ms Litchfield. "That has now been reduced to five years, unless we address the problems of rapid deforestation and bushmeat trade. Orphan chimpanzees are a real problem."

According to Ms Litchfield, there are now 500 orphaned chimpanzees in Ugandan sanctuaries, with at least 1000 unable to be admitted because there is no room for them.

Ms Litchfield has strong links with Adelaide Zoo, and part of her degree involved designing enrichment and foraging techniques for chimpanzees and caracals (medium sized cats) at the zoo to encourage their natural behaviours.

"Zoos have to take care of the

psychological as well as the physical well-being of their animals," she said.

Her interest in the great apes and her links with Adelaide Zoo were greatly encouraged by her late supervisor, Dr Frank Dalziel, who worked in the Psychology Department for 37 years.

Ms Litchfield's return to Adelaide coincided with a visit of Dr Dalziel's sister, Ms Nancy Wetherly. Ms Wetherly has been finalising Dr Dalziel's estate, from which she has made two bequests in his name.

One will be to fund an outreach vehicle for Adelaide Zoo's Education Service. The other is a bequest to the Psychology Department to provide assistance to postgraduate students who work in fields allied to Dr Dalziel's interests.

"I hope that these bequests in Frank's memory will help the Psychology Department and the Zoo to advance those causes that were dear to him," Ms Wetherly said.

—Rob Morrison



(From left) Ms Nancy Wetherly and Professor John Taplin, Head of the Psychology Department, with the Unsung Hero of Australian Science award winner, Carla Litchfield. Photo: Rob Morrison.

## Waite's conservation efforts foster a "return to Eden"

WHEN you drive through the suburb of Black Forest today, it is hard to imagine that the name was once descriptive of the scenery.

One hundred years ago, the forest standing there was so sombre that residents feared bushrangers rumoured to lurk in it.

Residential and industrial development has claimed almost all of the original vegetation that once stood on the Adelaide plains. The city has replaced it, but surprising remnants can still be found, some adjacent to our busiest thoroughfares.

The north-west corner of the Waite arboretum, bounded by Cross Road and Fullarton Road, is just such a place. When Peter Waite assumed the estate in 1882, the area was used for grazing. The practice continued for more than 100 years until sheep were removed in 1991, and mowing used to keep the grass down.

The removal of the sheep revealed that they had been cropping more than grass. Eucalyptus seedlings began to sprout and grow. The Waite Campus stands on land that was originally

within an extensive area of Grey Box (*Eucalyptus microcarpa*) trees, the same species that gave Black Forest its name. Some specimens within this corner of the arboretum are even believed to pre-date European settlement.

While these old trees are still healthy, their seedlings could not survive the constant grazing. Once the livestock were removed, the seedlings sprouted in abundance and other native plants such as native grasses and bushes revealed themselves among the introduced weeds.

Any remnants of the original Adelaide Plains vegetation are now so rare that all have great conservation significance.

Other Grey Box forest remnants still stand on Beaumont Common and in Heywood Park, but little of the understorey remains. Several understorey species at the Waite have a significant conservation rating in both regional and State registers, and the relative lack of weeds in the area adds to its significance.

Mr Andrew Crompton, an environmental consultant, volunteered to map the vegetation of

the corner and develop a management plan. Dr Jennifer Gardner and teams of other volunteers are now working to rescue the remnant woodland. They are restoring the understorey vegetation, protecting its plants as they emerge, and supplementing them with indigenous trees and shrubs grown from seed gathered in the nearby Waite Conservation Reserve and grown by volunteers.

"The program really depends entirely on volunteers, both to weed and to help raise and plant out new seedlings," said Dr Gardner, "and we are always looking for more, enthusiastic volunteers."

The Grey Box seedlings that grow naturally are examined to see which are true to type and which are hybrids. The former are identified and protected, while the latter are removed.

"The idea is that it will gradually be restored to Grey Box woodland with native understorey species," Dr Gardner said.

Herbicides are risky where native plants are interspersed with weeds, so hand pulling is largely used to clear weeds from the area. Some of the exotic trees will be removed, but

most of the eucalypts planted as part of the arboretum in the 1950s provide important food and habitat for native animals, and will remain a little longer.

"Gradually as the non-indigenous species decline or die they will be removed and not replaced," said Dr Gardner.

"We have the new eucalypt planting to the east, which is land that has been grazed until much more recently and farmed, and therefore doesn't have the same remnant seedbank that this section does."

The area is included in some of the free guided walks offered by the guides and friends of the Waite arboretum, but they will readily conduct tours to show it to interested visitors.

—Rob Morrison

*The arboretum is open every day from dawn until dusk, free of charge. Guided tours, also free, are given at 11am on the first Sunday of every month, starting at Urrbrae House. Groups can book tours at other times by arrangement. Telephone the Curator on 8303 7405.*

# Oceania study to unlock sea-level secrets

AN Adelaide University researcher has won a major international grant to head a four-nation coastal research project.

Associate Professor Nick Harvey, from the Department of Geographical & Environmental Studies, will receive \$149,000 from the Asia-Pacific Network for Global Change Research (APN) for the project, which involves scientists from Australia, Fiji, New Zealand and Samoa.

The research project is titled *Recent Sea-level Change and Coastal Management Implications for Oceania*, and while based from Adelaide, will also see research conducted in Fiji, Tuvalu, Kiribati and The Marshall Islands.

Dr Harvey described the project as significant, as it builds on the expertise of Adelaide-based coastal scientists who have now conducted successful sea-level research projects on the South Australian and Queensland coasts.

"Coastal environments in the Pacific are under considerable stress, and global change is expected to exacerbate existing problems."

"The Oceania project will collect new data on recent sea-level changes in the region and then assess the coastal response to these sea-level variations. This should provide some useful analogues for adapting current management practices," he said.

Dr Harvey used a South Australian example to point out the importance of understanding relative land-sea movements in assessing coastal response and estimating rates of sea-level rise. He said that the tide-gauge data at Adelaide, for example, suggested a rapid rate of sea-level rise, whereas the tide-gauge data at Port Pirie suggested that sea level was falling slowly. In reality, a small sea-level rise is occurring in both places but is masked by land uplift at Port Pirie and local subsidence at Port Adelaide.

According to Dr Harvey, one problem in the Pacific is that apart from any land movements, there are also significant short-term regional variations in sea-level associated with climatic events such as El Niño.

"These fluctuations may be of the same order of magnitude as predictions for sea-level rise associated with climatic warming over the next century," he said.

"A key component of this research project will be to identify coastal response to these shorter-term variations and compare this with coastal response to longer-term sea-level changes."

One example of sea-level change in Oceania is the geological evidence for a higher than present Holocene sea level on many of the Pacific Islands. Preliminary observations for this project, conducted in Fiji with coastal expert Professor McLean of the Australian Defence Force Academy,

indicated a higher sea level on the south side of Viti Levu around 3000 to 4000 years ago (see photograph).

"Here, in-situ microatolls provide an excellent sea-level indicator from the geological record," Dr Harvey said.

"The corals are limited in upward growth by the water level, resulting in large circular flat structures which contain detailed internal growth rings similar to tree rings."

Another important aspect of the project is the fact that the field sites in the four countries (Fiji, Tuvalu, Kiribati and The Marshalls) span the equator and thus cover a range of stormy and calmer coastal environments, including the cyclone/hurricane belts in each hemisphere. The variations in storminess together with sea-level and land-level changes all contribute to produce different coastal responses.

"The Oceania project will attempt to extend our knowledge of sea-level change and coastal response back in time by a few thousand years," Dr Harvey said.

"It is hoped that by combining geological studies of sea-level change with current scientific and local knowledge on variations in coastal response it will be possible to gain a better understanding for future management practices."

Dr Harvey also said a key element of the project was to work with people in the region and add to the local knowledge base. Key collaborators on the project are Professor Nunn



Above: Microatolls from the south side of the Fijian island Viti Levu.

(University of South Pacific, Fiji), Dr Kench (International Global Change Institute, University of Waikato, NZ), Dr Kalawin (South Pacific Regional Environment Program, Samoa) and Professor McLean.

A regional workshop is planned for January 2001 in Fiji to discuss project progress and outcomes in order to link the science to policy.

The Oceania project was one of two successful grant applications submitted by Dr Harvey as part of the APN's 2000/01 internationally competitive funding round. He also received \$17,000 for a smaller coastal project, with a total of 16 proposals receiving funding.



Associate Professor Nick Harvey.

The APN has about 20 member countries, including Australia, and has a mission to foster global environmental research in the Asia-Pacific region.

—Ben Osborne

## Thai visit to help environment

SOUTH Australia boasts the country's highest per capita volunteer involvement in conservation—a reputation that has brought two Thai academics to Adelaide University to study many aspects of environmental management.

Dr Panyanee Prapong and Dr Usa Klinhom have spent the past two months in Adelaide to build research collaboration, study South Australia's natural area management policy and strategies, and to observe our undergraduate and postgraduate teaching methods.

Their visit is part of TASEAP (Thailand Australia Science and Engineering Assistance Project), a program funded by the Australian and Royal Thai Governments to assist Thai universities develop science and engineering programs at the undergraduate level and procure equipment funded by the World Bank loan.

Thailand has a well-established system of university science education, but according to Dr Klinhom, field work has not played a large role in environmental studies there.

The two visitors, guests of Adelaide's Department of Geographical & Environmental Studies, have been taking part in practical sessions and accompanying students on field excursions led by various staff members.

Dr Klinhom has a particular interest in the restoration and sustainable management of forests in Thailand. She was principal investigator for a project on *Cultural Forest Conservation in Northeastern Thailand: A Model Study in Community Based Sustainable Resource Management* for the Thailand Office of Environmental Policy and Planning.

While in Adelaide, Dr Klinhom has studied the management of national parks, private sanctuaries and the work of volunteer organisations here. She is involved with community groups in Thailand who are working to conserve forests.

"Our forests are very much under threat," said Dr Klinhom, "not for timber, but for firewood, and through invasion by roads. Villagers get a great deal of their food and daily needs from the



Dr Panyanee Prapong (left) and Dr Usa Klinhom (right) with Adelaide University graduate Fionna Davies. Photo: Rob Morrison.

forests, and it is a matter of educating them so that the forests can cope with this continued pressure.

"It means going into the villages and talking to people there. We discuss environmental change, the need to conserve the forests and revegetate those that have been over-exploited," she said.

Dr Klinhom has also been actively involved in conserving endangered species, including the land-based Princess Crab.

Dr Prapong is a chemist concerned with improving water quality in the canals and estuaries of Thailand, where heavy metals, excessive nutrients and other pollutants pose environmental health problems. She also has an interest in the conservation of mangroves.

"Many mangrove areas have been cleared for shrimp ponds and other aquaculture," said Dr Prapong.

"There are strong commercial pressures to do this, but in the process, the breeding grounds of commercial fish are destroyed, and there are now many aquatic diseases and toxic algal blooms," she said.

On their return, the two TASEAP fellows plan to introduce to their universities a number of practical and fieldwork techniques which they have learned here, and they have been exploring other courses at Adelaide University that would be of interest to their fellow academics.

—Rob Morrison

## Doing the Bird Walk



AS the River Torrens winds down through suburban Adelaide and into the parklands, it brings the country to the city.

The linear park beside the Torrens, the parklands themselves and the large Botanic Gardens all combine to provide birds with a corridor, food sources and nesting habitats.

In the midst of it sits Adelaide University.

Few urban universities offer bird lovers such a generous display. Especially along the river banks behind the University, diverse groups of birds congregate in large numbers.

Volunteer staff and students from the Department of Environmental Biology offer

guided bird walks that start from the University footbridge and take approximately one and a half hours to complete.

It's a leisurely stroll along the river and through the parklands, where you will hear fascinating facts about Adelaide's bird life and other animals, such as possums and tortoises, that play their part in the ecology of this urban river.

It's ideal for visitors to the city who are travelling lightly, with volunteers supplying both bird books and binoculars. The walks are offered every day, but bookings are necessary.

For more information call (08) 8303 5594 or fax (08) 8303 4364.

—Rob Morrison

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## Science trail to reveal heritage

A NEW Science Discovery Trail at Urrbrae will celebrate the achievements of scientists who worked at Adelaide University's Waite Campus from its beginnings in 1924 to the present.

The Science Discovery Trail will lead visitors through the Garden of Discovery, one of four thematic gardens developed in the Urrbrae House Historic precinct.

Commissioned artworks, images laser etched into pathways, historical soundscapes and integrated landscaping will all combine to interpret the work of more than a dozen prominent scientists who contributed to the Waite's international reputation.

"One of the key aims of this project will be to engender in young people a love of and enthusiasm for science," said the coordinator of the project, Dr Jennifer Gardner.

Some funding for the project has already been raised from a Federation 2001 Grant, the History Trust of SA and private donations. Additional funds are now being sought from other sources.

"The achievements of many of these scientists have not yet received appropriate recognition by Australian historians, or the wider community," said Dr Gardner.

"We hope to redress this through the Science Discovery Trail, which will combine science, history, the arts and innovative landscape design. It promises to be a first in Australian outdoor museum developments," she said.

Enquiries about the Science Discovery Trail can be made to Dr Gardner on 8303 7405.

—Rob Morrison



Dr Jennifer Gardner with two prototype pavers featuring the work of entomologist Helen Brooks, who worked at the Waite Campus for 40 years. Photo: Rob Morrison.

## Mission Earthling at Investigator

MANY human beings find their fellows pretty odd. Imagine how strange they would seem to a Martian.

That's the theme of a new travelling exhibition at the Investigator Science & Technology Centre, called *Mission Earthling—Discover the Human Body*.

The exhibition presents an unusual view of human beings, an interactive journey of discovery about the things closest to our hearts (and our lungs, kidneys, bladders, and intestines), from the point of view of a visiting alien who must transform into a human to survive on Earth. There is a lot to understand.

What do you look like on the inside? How do babies grow inside the womb? How long are your guts, and how much water do you hold? How do your senses work?

These and other biological aspects of the human being are on show in the typically interactive form that is the Investigator's speciality. It includes a self-test area where you can put your own personal human body through some entertaining paces to discover

more about its capabilities.

Adelaide University is a sponsor of the Investigator, and many staff members lend their expertise for exhibitions, lectures and functions there. The centre makes an enormous contribution to science communication, but its future is uncertain.

"Our biggest problems are our small size, our limited space for more than one exhibition at a time, and our shabby building, which is not attractive to sponsors," said Dr Barbara Hardy, founder of the Investigator and the former chair of its board.

"It is also not in a prominent position. We need a more central location, and we badly need a much larger, purpose-built structure for our permanent and travelling exhibitions."

There were high hopes that the State Budget might have revealed some funding for such a move. To the disappointment of the Investigator staff, it was not forthcoming, but Dr Hardy retains her characteristic optimism.

"While being disappointed that there was nothing in the budget papers, we are given to understand that in the next three months the



David Lampard and Belinda Gerard from the Investigator Centre. Photo: Rob Morrison.

new Investigator project is being seriously considered," she said.

*Mission Earthling—Discover the Human Body* is now open at the Investigator Centre, Wayville, and will run until 25 August. Admission \$7.50 adults, \$6 concession, \$5 for children 3-17 years. The Investigator is open every day from 10am to 5 pm.

—Rob Morrison

## Quilt exhibition a rich tapestry of life

THE year 2002 marks the bicentenary of the meeting between Matthew Flinders and Nicholas Baudin at Encounter Bay. To mark the anniversary, a huge program of events is unfolding under the banner of Encounter 2002.

Coordinated by Australian Major Events, Encounter 2002 will have many themes, among which the scientific and exhibitions programs will be especially strong.

Adelaide University's main contribution to the scientific program will be the Flinders-Baudin Project (see supplement) and it has just announced the first of its exhibitions.

The large basement gallery at Urrbrae House will host an exhibition of contemporary quilts by Adelaide textile artist Penny Morrison. All featuring wildlife themes, they will recall the enormous contributions to Australian natural history made by the British and French expeditions.

"There will be upwards of 20 quilts, including some plants, but mostly featuring animals," said Ms Morrison.

"Some were animals recorded by scientists on the two expeditions; others are animals that I felt were either overlooked and



Penny Morrison with one of her quilts featuring white-backed magpies. Photo: Rob Morrison.

unknown to many Australians or, conversely, those, like magpies, which people tend not to notice because they are always there."

Ms Morrison has had her work in several exhibitions, used it to illustrate a children's book, held a solo exhibition and, last year,

took first prize in the Melbourne Quilt Exhibition, widely recognised as the best in the country.

"It's a medium that can be used as well as any other," said Ms Morrison. "Anything that you can do with paint, you can do with fabric."

Ms Morrison was involved in planning the National Textile Museum, which was based at Urrbrae House for several years until lack of funding forced it to close. The old gallery remains available for exhibitions.

"We are delighted to have Penny Morrison's quilts as our feature exhibition during the Encounter 2002 celebrations," said Yvonne Routledge, Curator of Urrbrae House.

"We became aware of Penny and the excellent quality of her work during her involvement with the National Textile Museum, and I am pleased to welcome a new textile exhibition back to the former textile museum galleries."

Encounter 2002 will overlap with the Adelaide Festival, so the quilt exhibition will run through the Festival and probably for two weeks beyond, leading up to the anniversary of Flinders-Baudin meeting on 8 April.

—Rob Morrison

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## World Environment Day

From Page 1

Some indication of the breadth and depth of research was given last year at the University's first ever multi-disciplinary conference linking post-graduate students researching the environment across the Faculties. Following the success of that conference, another is planned in September this year (for more information see future issues of the *Adelaidean*).

Among its many activities, World Environment Day will give a group of international students the chance to meet with representatives from UNEP. In partnership with UNEP, Adelaide University offers graduate courses in Environmental Management. Around half a dozen past and present UNEP fellows will attend World Environment Day events in Adelaide, some of whom are studying for their courses through the Ngee Ann Kongsi in Singapore.

—David Ellis



# GRADUATIONS

## MALAYSIAN GRADUATION CEREMONY 2000



Lim Siang Heng, from Ipoh, was one of more than 150 Malaysian students to attend the biggest ever Adelaide University Graduation Celebration in Kuala Lumpur. Lim graduated with First Class Honours in Engineering (Electrical & Electronic) and was awarded the University Medal for academic excellence. He was given the honour of Mace Bearer at the ceremony held at the Hotel Nikko on Sunday 21 May.



Last-minute adjustments for this student preparing for the ceremony.



The MC for the ceremony was Associate Professor Omar Bin Shawkataly from the Universiti Sains Malaysia.



Students anxiously await the presentation of their parchments in the Grand Ballroom of the Hotel Nikko.



Commerce graduates who studied through the Adelaide/S-I-T twinning program, Estella Moo Hsiau Hsia (Accounting) and Chong Sheau Jing (Corporate Finance).



The biggest group yet of graduating Malaysian students to attend the KL celebration.



(From left) Vice-Chancellor Professor Mary O'Kane with Mr Sim See Kee, President of the Adelaide University Alumni in Malaysia, the president for the ceremony Mr Michael Abbott QC, and Mrs Jane Sim with grandson Malcolm.

### Cornell Chapter's Night at the Movies

After last year's successful "Night at the Movies", the Cornell Chapter is pleased to announce the special screening of *Olegin* on Friday 23 June 2000. This screening will commence at 7:00pm at the Palace Nova East End Cinemas, 274 Rundle Street, Adelaide. Adapted from Alexander Pushkin's timeless masterpiece of love and obsession, *Olegin* stars Ralph Fiennes and Liv Tyler, and is directed by Martha Fiennes in her feature film debut. Tickets are \$10.00 and can be purchased from the Alumni and Community Relations office located at Alumni House, 44 Kintore Avenue, Adelaide. More information contact Julie Vozzo at (08) 8303 5800.

### Alumni Association Annual General Meeting

**Date:** Tuesday 27 June  
**Time:** 6:00 pm  
**Venue:** Napier Lecture Theatre 102, Adelaide University North Terrace Campus

Further details including Agenda items will be provided in the next issue of the Adelaidean. All members of the Association, former students and staff are encouraged to attend.

For more information, please contact Kim McBride at (08) 8303 3196 at the Alumni and Community Relations office.

### Sponsored places for international alumni convention in Malaysia

ADELAIDE University's Alumni Association is offering three sponsored packages (return airfare, accommodation and conference registration) for young Adelaide University alumni to attend the Australian Universities International Alumni Convention in Kuching, Sarawak, 24-27 August.

Criteria for eligibility are:

- a graduate of the University
- age up to and including 35 as at time of application
- write a maximum of 250 words explaining your past, present and/or future contribution to the University or its Alumni Association

- a permanent resident of Australia

Preference will be given to applicants with limited financial means and/or a postgraduate student whose study relates to the convention theme:

"Globalisation and the New World Order" (eg international politics, history, cultural studies).

**Applications close Friday 16 June. Successful applicants will be notified Tuesday 20 June. Application forms and further information can be obtained from Sharna Pearce, Project Coordinator Alumni & Community Relations: tel (08) 8303 3943 or email <sharna.pearce@adelaide.edu.au>.**

# Adelaide pianist wins major scholarship

ADELAIDE pianist and Elder Conservatorium Masters student John Bradbury is one of seven winners of the Australian Elizabethan Theatre Trust's Inaugural Overseas Music Scholarship.

The Trust's overseas music scholarship program for 2000 comprises the inaugural awards arising from a \$6 million bequest by the late Nerissa Johnson. This is one of the largest bequests in Australian arts funding history.

Mr Bradbury received his award from the Governor of New South Wales, His Excellency Gordon Samuels, at a ceremony at Government House in Sydney last month.

The award, valued at \$5000, along with a grant received from the Ian Potter Foundation, will enable Mr Bradbury to undertake further study with his mentor, Professor Marina Ambokadze at the Ino Mirkovich Music

Academy in Croatia, where he has studied since 1999. He intends to return to Croatia on completion of his Masters degree later this year.

At the conclusion of his studies at the Mirkovich Academy he will also undertake a concert tour of Croatia.

Under Professor Ambokadze's tuition, Mr Bradbury is studying the Plecheeva Method of playing. This is recognised by its unusual hand position, which enables an advanced control over tone and a faultless command of technically virtuosic figurations.

The method requires a meticulous procedure for learning new work. Professor Ambokadze is the only remaining exponent of this approach in the world today. On completing his studies, Mr Bradbury intends to teach this unique method of playing in Australia.

John Bradbury was the 1995 winner of the Adelaide Eisteddfod Keyboard concerto. He

has studied with many leading pianists, including Stefan Ammer, Graehme Williams and Lance Dosser, and has performed in all of Adelaide's major venues both as soloist and a chamber musician.

He has been described as "one of Australia's most exciting young pianists".

To assist in his studies Mr Bradbury has received numerous awards and grants, including grants from the Queen Elizabeth II Silver Jubilee Trust, the Helpmann Academy and ArtsSA.

—Sheila Bryce  
Helpmann Academy

*Pictured: John Bradbury (right) with Warwick Ross, Director of the AETT at the award ceremony. The Stuart & Sons piano shown is one of only eight handmade pianos of its kind in the world and is valued in excess of \$180,000. Photo: Jill Bradbury.*



# Reconciliation comes a step closer thanks to research

THE reconciliation process in South Australia received a boost on Friday 26 May with an important ceremony being held in North Adelaide—with Adelaide University playing a prominent part.

In less than ideal weather conditions, a crowd of more than 500 people gathered near the River Torrens for the unveiling of several plaques and sculptures commemorating the Piltawodli story of the Kurna people from the 1830s and 1840s.

Adelaide University linguistics lecturer Dr Rob Amery, along with members of the Kurna community, the Adelaide City Council and the Bringing Them Home committee, was heavily involved in organising the ceremony. Dr Amery has done extensive research into the Kurna people's language and history, building on the earlier historical research of Dr Rob Foster in the History Department.

In March this year, the Adelaide City Council announced the restoration of a number of original Kurna names to several sites in Adelaide.

"One of these sites is Piltawodli, which is now the location of the mini-golf course near the weir," he said. "Two Lutheran missionary linguists, who learnt and researched the Kurna language, established the Piltawodli school for Kurna children from the Aboriginal community living at this location. They taught the children in Kurna, which was their first language.

"This education policy was supported in the early 1840s by Governor Gawler, but in July 1845 Governor Grey closed the school and took the children away from their parents to an English-only school formerly located on Kintore Avenue.

"In 1850-51 these same children were sent away from Kurna lands to Poonindie mission near Port Lincoln—they were the first 'stolen

children' in South Australia."

Today, Adelaide University is carrying out extensive and much-needed research into the Kurna people and their language, Dr Amery said.

"This research is highly valued by the Kurna community, schools, local government and community groups concerned about reconciliation and recognition of our Indigenous heritage," he said. "I receive a constant stream of requests for information about local history, placenames and other Kurna words. I am also often asked for Kurna translations for a range of expressions and for assistance in producing materials for schools.

"Such research is vital—it is very important to know about the past, which in turn enhances our knowledge for the present and future," he said. "The work we are doing here at Adelaide University is not only important for the Kurna people, but it aids the reconciliation process as a whole."

Kurna Elder Lewis O'Brien said: "The initiative shown by Adelaide University in supporting Kurna language development has given great impetus for the use of Kurna language within schools and the indigenous community. Without it continuing, there will be a void felt deeply within the community."

The Piltawodli ceremony, which formed a major part of the national program for the Anniversary of National Sorry Day on 26 May, featured a number of important reconciliatory gestures:

- Aboriginal Elders were welcomed home to Piltawodli and given a copy of a letter written by one of the children in the first school;

- Descendants of the German Missionary linguists were also welcomed home to Piltawodli;



*The Piltawodli Plaques Committee, which met regularly at Adelaide University prior to the re-naming ceremony on 26 May (standing) sculptor Sylvio Apponyi, Adelaide University linguistics associate lecturer Rob Amery, Flinders University's Norman Habel, (sitting) songwriter Nelson "Snooky" Varcoe and Adelaide City Council's Dot Davy.*

- Newly-elected Lord Mayor Mr Alfred Huang and Adelaide's oldest Kurna elder, Ms Doris Graham, unveiled a plaque on a monument of black granite boulders;

- Kurna Plains school children sang songs related to Piltawodli, with help from Nelson "Snooky" Varcoe, who also sang a moving song titled "Piltawodli" that he wrote especially for the occasion;

- A performance (including firemaking) by Karl Telfer and the Paitya Dancers.

Dr Amery said the ceremony at Piltawodli has served as a catalyst to bring people together in so many ways.

"It has brought the Adelaide City Council and

Kurna people together; it is bringing the Lutheran Church and the Aboriginal community together; and it is bringing different groups of Aboriginal people together and people from all walks of life.

"Many school children attended the Journey of Healing event. Such recognition of our shared history serves as a catalyst to bring people together to develop common understandings, the basis of reconciliation."

The ceremony also coincided with a national weekend of reconciliation activities as part of Corroboree 2000, which culminated in more than 150,000 people walking across the Sydney Harbour Bridge in the Walk for Reconciliation.

—Ben Osborne

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carpet sweeper & hand carpet shampooer, single bed mattress, as new. Ph 8332 5208 or 8303 5084.

**MISC:** Tallboy (3 glass doors, cupboards, drawers). 2 x 2seater leather lounges, coffee table, 3 x upright chairs, all black, \$1,500. Ph 0412 606 845.

**MOVING SALE:** TV, VCR, video camera, sewing machine, bike and more. Ph 8338 4152.

**SPACE HEATERS:** 3 x thermostatically controlled oil column and 1 x convection heater. \$50 - \$150ea. Ph 8303 5694 or 8373 3603 (ah).

**SPECTROPHOTO-METERS:** Flame AAS, UV/VIS and UV, graphite furnace for AAS, XRF, scanning electron microscope. Au vacuum coater. All

1980s vintage. Make an offer. Ph Mike 8241 7055 or email: <mva@camtech.net.au>.

### DEPARTMENTAL

**CARRELS & CHAIRS:** Give away to other Uni Depts 22 carrels & chairs, in good cond. 900 x 260 x 290mm or 750 x 300 x 290mm. Ph Paul 8303 5025 or Dick 8303 5348 or email: <richard.finlay@adelaide.edu.au>

**LEVER ARCH FILES:** Second hand, give away, covers slightly tatty. Ph 8303 5120 or call into VCO, Rm G10, Grnd Flr, Mitchell Bldg.

### WANTED

**PIANO:** Second hand piano, suitable for child. Ph Helenmary 8303 4255 or email: <hmcmeekan@gsm.adelaide.edu.au>.



# Bulletin Board

JUNE 5, 2000

ADELAIDE UNIVERSITY

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## MONDAY 5 JUNE

**12noon Plant Science Seminar:** Developmental and genetic control of fruit development in *Arabidopsis thaliana* by Mr Adam Vivian-Smith (PhD student). PS Seminar Room, Waite Campus.

**1.00pm Microbiology & Immunology Seminar:** Costimulatory blockade by gene therapy to prevent transplantation rejection by Dr Ravi Krishnan (Renal Transplantation Unit, TQEH). Departmental Library, 5th Floor, Medical School South.

**8.00pm Classical Association of South Australia:** Ancient Greek Winemaking: The Best Drop by Dr Norman Ashton (Pro VC [Internationalisation & Development]). Room 723, Hughes Building.

## TUESDAY 6 JUNE

**12noon Child Health Research Institute Seminar:** Immunopathogenesis of Respiratory Syncytial Virus Disease by Professor Kevin Forsyth (Paediatrics, FMC). Seminar Room, 7th Floor, Rieger Building, WCH. Light refreshments provided by Life Technologies.

**10.10am Electrical & Electronic Engineering Seminar:** A New Combinatorial Approach to the State Space of Cellular Mobile Communication Systems by Dr Dushy Tissainayagam (Defence Science and Technology Organisation). Room EM212, New Engineering & Mathematics Building.

## WEDNESDAY 7 JUNE

**12.10pm Recitals Australia 2000 Autumn Series:** Stephanie Wake-Dyster - clarinet; Carolyn Lam - piano concerto. Adults \$3/Concession \$1. Pilgrim Church, 12 Flinders Street, Adelaide.

**1.00pm TQEH Clinical Development Research Centre Seminar:** Surface barriers to airway gene transfer: breaching the air-liquid-cell interfaces by Dr David Parsons (Pulmonary Medicine, WCH). Maternity Lecture Theatre, 1st Flr, Maternity Building, TQEH.

**1.10pm Genetics Seminar:** PhD proposals by Masha Smallhorn and Edwina Ashby. Seminar Room, Ground Floor, Fisher Building (southern entrance).

**4.30pm Environmental Biology Seminar:** The autonomic control of surfactant secretion: effects of temperature by Ms Carol Ormond (Environmental Biology). Seminar Room, 4th Floor, Fisher Building.

## THURSDAY 8 JUNE

**12noon Hanson Centre for Cancer Research Seminar:** Motifs in the IL-3 receptor required

## COMING EVENTS

June 5th — June 16th

for haemopoietic cell survival by Dr Mark Guthridge (HCCR). Robson Theatre, Eleanor Harrald Building, RAH.

**6.00pm CSIME Seminar:** Poland & Australia: Intercultural Relations and Human Developments in Education, Arts and Social Sciences by Ms Malgorzata Pawlisz. Council Room, Level 7, Wills Building. Refreshments from 5.30pm. Enquiries Elsa Jacob 8303 5788.

**7.45pm Field Geology Club of SA Lecture:** Mars and life by Dr Vic Gostin. Mawson Lecture Theatre, Mawson Laboratories.

## FRIDAY 9 JUNE

**10.00am Animal Science Seminar:** Fixing bung legs: IGF-I mediated repair of tendonitis in an equine model by Dr Simon Humphrys (Gropep/CRC for Tissue Growth & Repair). Room 12, Callaghan Building, Roseworthy Campus.

**11.30am Social Inquiry Seminar:** Markets, Contingency and Ethics: Contemporary managers narrative identities by Dr Bill Martin (Sociology, Flinders University). Seminar Room, 3rd Floor, 10 Pulteney Street, Adelaide.

**12.45pm Dentistry Seminar:** Report on PBL meeting in Malmo by Tracey Winning and Grant Townsend. Lecture Theatre 1, 6th Floor, Adelaide Dental Hospital.

**1.00pm Biochemistry Seminar:** Novel functions for the TGF- $\beta$  signalling molecule, SMAD7, in squamous differentiation by Nick Saunders (University of Queensland/Princess Alexandra Hospital). Seminar Room, 2nd Floor, Darling Building.

**1.00pm Asian Studies Seminar:** Jumin Tohyo: The Anti-Dam Movement in Tokushima, Japan by Professor Purnendra Jain. Room 518, Level 5, Ligertwood Building.

**1.10pm Elder Conservatorium Lunch Hour Concert:** Janis Lours - cello, Niall Brown - cello. Works by Handel, Popper and Offenbach. Admission \$3 at the door. Elder Hall.

**1.15pm Inaugural Lecture Series:** Ocean waves: from the beach to outer space by Professor Ian Young (Executive Dean, Engineering, Computer & Mathematical Sciences). Lecture Theatre 102, Napier Building.

**2.00pm English Staff/Post-graduate Seminar:** The Girl of the Period: Girls, Culture and Crisis in Joyce's Fiction by Dr Catherine Driscoll. Room 618, Napier Building.

**3.30pm Horticulture, Viticulture & Oenology Seminar:** Ancient Greek Winemaking Practices by Dr Norman Ashton (Pro VC

[Internationalisation & Development]). Plant Research Centre Auditorium, Waite Campus. Followed by wine and cheese.

## TUESDAY 13 JUNE

**12.30pm Barr Smith Library Talk:** An overview of AusStats for Universities by Ms Pam Balfour (Australian Bureau of Statistics/Library Extension Program Coordinator, SA). Ira Raymond Rm, Level 3, Barr Smith Library. RSVP: <maggie.low@adelaide.edu.au>.

**3.15pm Anthropology Seminar:** Towards an Andalusian Aesthetic of Performance: Bulls, Horses and Flamenco by Erez Cohen. Rm 722, 7th Flr, Napier.

## WEDNESDAY 14 JUNE

**10.10am Electrical & Electronic Engineering Seminar:** An Investigation of Modern Performance Operating near the Geomagnetic Equator in Thailand by Theppratan Ruchirapha. Room EM212, New Engineering & Mathematics Building.

**12.10pm Recitals Australia 2000 Autumn Series:** Jennifer Campbell - piano; Louise Nowland - clarinet. Adults \$3/Conc \$1. Pilgrim Church, 12 Flinders St, Adelaide.

**12.30pm Clinical Nursing Seminar:** Emergency Nursing and Caring: A Paradox or Reality of Practice? by Dr Jackie Jones (Post-doctoral Research Fellow, Centre for Research into Nursing & Health Care, UniSA). Room 36, Level 3, Eleanor Harrald Building, RAH.

**1.00pm TQEH Clinical Development Research Centre Seminar:** Perhexiline, haemodynamic and metabolic effects by Dr Steve Unger (NHMRC Postgrad Medical Research Scholarship student, Cardiology Unit). Maternity Lecture Theatre, 1st Floor, Maternity Building, TQEH.

**1.10pm Horticulture, Viticulture & Oenology Seminar:** Myths and Legends of Flying Winemaking by Mr Stephen Clark (Horticulture, Viticulture & Oenology). Plant Research Centre Auditorium, Waite Campus.

**1.10pm Genetics Seminar:** The foetal origins of adult disease by Dr Caroline McMillen. Seminar Room, Ground Floor, Fisher Building (southern entrance).

## THURSDAY 15 JUNE

**12noon Hanson Centre for Cancer Research Seminar:** Mutating gp130 in the mouse: New insights into the biology of an old friend by Dr Matthias Ernst (Ludwig

Institute for Cancer Research). Robson Theatre, RAH.

**6.00pm CSIME Seminar:** Current Issues in Australia's Immigration and Multicultural Policies by the Honourable Philip Ruddock MP (Minister for Immigration & Multicultural Affairs and Minister assisting the PM for Reconciliation; Federal Member for Berowra). Council Room, Level 7, Wills Building. Enquiries Elsa Jacob 8303 5788.

**6.30pm Australian Institute of International Affairs Talk:** Australia's Security Outlook by Dr Ross Cottrill (Executive Director, AIIA). Union Cinema, Level 5, Union House. Enquiries Dr Felix Patrikeeff 8303 4607.

## FRIDAY 16 JUNE

**10.00am Animal Science Seminar:** Breath analysis: a novel way of assessing intestinal function by Dr David Tivey (Animal Science). Room 12, Callaghan Building, Roseworthy Campus.

**12.45pm Dentistry Seminar:** Functional significance of the paranasal sinuses by Tony Gagliardi. Lecture Theatre 1, 6th Floor, Adelaide Dental Hospital.

**1.10pm Elder Conservatorium Lunch Hour Concert:** Gil Sullivan - piano. A recital which reflects Bach's legacy in the 250th anniversary year of his death. Works by Bach, Brahms and Beethoven. Admission \$3 at the door. Elder Hall.

**1.15pm Inaugural Lecture Series:** Fertility control: options for the male by Professor Simon Maddocks (Director, Roseworthy Campus). Lecture Theatre 102, Napier Building.

**2.00pm Discussion on Politics and Law:** The Legislation of Predation by Dr Mary Maxwell. Room 405, Ligertwood Building.

**2.00pm English Staff/Post-graduate Seminar:** It's not the King and I: The fantasy of the au pair's political subversion by Dr Joy McEntee. Room 618, Napier.

**4.00pm Obstetrics & Gynaecology Seminar:** Molecular mechanisms controlling prostate cancer cell proliferation by Dr Tiziana AL Brevini-Gandolfi (Surgery, Clinical Development Research Centre, TQEH). Seminar Room, 6th Floor, Medical School, North.

## SUNDAY 18 JUNE

**7.30pm Jazz Series 2000:** Real Book Renditions led by Bruce Hancock - piano with Ted Nettelbeck - piano, Bob Jeffrey Reeds, Julian Ferraretto - violin, John Aué - bass and John McDermott - drums. Composers play tunes from the first jazz real book produced in Australia. Tickets \$12/\$8 Concession. Governor Hindmarsh Hotel, 59 Port Road, Hindmarsh. Bookings/Enquiries 8303 4339. Table seating available.

## 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

### ADMINISTRATIVE ASSISTANT

(Ref: 10394) (Fixed-term)  
Office of the Deputy Vice-Chancellor (Research)  
Salary: HEO4 \$31,252 - \$34,376

This replacement position is available immediately until 18 July 2002. Further information including the duty statement and selection criteria may be obtained from Mrs Pauline Pettifor, tel 8303 5665 or email <[pauline.pettifor@adelaide.edu.au](mailto:pauline.pettifor@adelaide.edu.au)>. Applications close 14 June 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.

### RESEARCH OFFICER

(Ref: 10391) (Fixed-term)  
Departments of Anatomical Sciences, Biochemistry, Genetics, and Medicine  
Full-time salary: HEO5/6 \$32,337 - \$42,664

This position is available immediately until 19 December 2000 on a 18.38 hours per week basis. Further information including the duty statement and selection criteria may be obtained from Bill Breed, tel 8303 5743 or email <[william.breed@adelaide.edu.au](mailto:william.breed@adelaide.edu.au)>. Applications close 16 June 2000.

### ADMINISTRATIVE ASSISTANT

(Ref: 10393)  
Office of the Vice-Chancellor  
Salary: HEO4 \$31,252 - \$34,376

The appointment to this short-term position will be on the basis of casual employment or a secondment may be considered. The replacement position is available from 3 July 2000 for about three months. 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 13 June 2000.

### COMPUTER SYSTEMS CO-ORDINATOR

(Ref: 7140) (Fixed-term)  
University Radio 5UV  
Full-time salary: HEO4 \$31,252 - \$34,376

This position is available from 3 July 2000 for a period of twelve months on a 18 hours per week basis. Further information including the duty statement and selection criteria may be obtained from Deborah Welch, tel 8303 5000 or email <[deb.welch@adelaide.edu.au](mailto:deb.welch@adelaide.edu.au)>. Applications close 15 June 2000.

### ADMINISTRATIVE ASSISTANT

(Ref: 2573) (Continuing)  
Department of Physics and Mathematical Physics  
Salary: HEO3 \$27,174 - \$30,979

This position is available immediately. Further information including the duty statement and selection criteria, may be obtained from Arlene Shaw, Department of Physics and Mathematical Physics, tel 8303 5113 or email <[arlene.shaw@adelaide.edu.au](mailto:arlene.shaw@adelaide.edu.au)>. Applications close 12 June 2000.

### HUMAN RESOURCES DEADLINES FOR ADELAIDEAN

For the *Adelaidean* of 19 June 2000 advertising paper work must be received in Human Resources by 2 June 2000.

For the *Adelaidean* of 3 July 2000, advertising paper work must be received in Human Resources by 16 June 2000.

## GENERAL NOTICES

### University Teaching Development Grants 2000

The aim of the University Teaching Development Grant is to promote the enhancement of learning and teaching at the University of Adelaide.

Applications are invited for the 2000 round of the University of Adelaide Teaching Development Grants. The Grants are intended to promote good learning and teaching practices; to encourage and foster innovation in higher education teaching; and to provide staff development opportunities at the University of Adelaide.

A total of \$150,000 will generally be available and is to be used by the successful individual(s), team, department or centre to effect practical improvements in learning and teaching. Individual grants are likely to fall within the range of \$10,000 to \$50,000 according to the scale and nature of the projects funded.

Each grant recipient will be required to agree with the Deputy Vice-Chancellor (Education) an appropriate form of dissemination of their achievements in learning and teaching (which might include a seminar, an article for the *Adelaidean* and/or a web-page article for LEAP).

Eligibility for the University Teaching Development Grants:

- All full-time and part-time members of academic staff (including clinical, affiliate and adjunct titleholders) in a teaching position at the University of Adelaide are eligible. Members of academic staff on contract should have at least one year of service remaining of their contract period and demonstrate that the objectives of the proposal are deliverable within the time available.
- Teaching groups which include full-time and part-time members of the academic staff which may include members of the general staff are eligible.
- All teaching faculties, departments, centres and interdisciplinary groups in the University of Adelaide are eligible.

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

Applications are now sought for and application forms can be obtained from Marie Reitano, Office of the Deputy Vice-Chancellor (Education), Room G04, Mitchell Building, ext 35511, fax: 34873, email: <[marie.reitano@adelaide.edu.au](mailto:marie.reitano@adelaide.edu.au)> or downloaded from the Deputy Vice-Chancellor's web-site: <[http://www.adelaide.edu.au/DVC/quality/teaching\\_development\\_grants.html](http://www.adelaide.edu.au/DVC/quality/teaching_development_grants.html)>. Nominations must reach the Office of the Deputy Vice-Chancellor (Education) by **Friday 4 August 2000**.

### Professional & Continuing Education Courses

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

**Effective Leadership Skills for Women: 02PD1026:** Tuesday 13 June 2000.

**Negotiating Effectively: Getting to Yes! 02PD1037:** Thursday 15 June 2000.

**Interpersonal Communication for Success: 02PD1038:** Friday 9 June 2000.

**Strategic Thinking and Planning: 02PD1021:** Friday 23 June 2000.

**Managing Performance: 02PD1025:** Tuesday 27 June 2000.

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

### Matching Funds for Information Technology Development 2000

The aim of the University Matching Funds for Information Technology Development is to encourage the development and use of student-centred and flexible learning through information technology at the University of Adelaide. (Learning and Teaching Plan 2000-2002)

Applications are invited for the 2000 round of the Adelaide University Matching Funds for Information Technology Development. The Matching Funds for Information Technology Development are intended to encourage the development and use of student-centred and flexible learning and the introduction of innovative modes of teaching through information technology and telecommunications at the Adelaide University.

A total of \$200,000 will generally be available and is to be used by the successful individual(s), team, department or centre to effect practical improvements in learning and teaching by developing information technology facilities, online programs, modules and curriculum materials at the University. The Matching Funds for Information Technology Development will vary in size according to the scale and nature of the projects funded. Funds will be provided for small and medium scale initiatives on a matching funds basis. The matching component may be contributed either on a cash or an in-kind basis.

Each grant recipient will be required to agree with the

Deputy Vice-Chancellor (Education) an appropriate form of dissemination of their achievements in learning and teaching (which might include a seminar, an article for the *Adelaidean* and/or a web-page article).

Eligibility for the Matching Funds for Information Technology Development:

- All full-time and part-time members of academic staff in a teaching position at the University are eligible;
- Teaching groups which include full-time and part-time members of the academic staff which may include members of the general staff are eligible; and
- All teaching faculties, departments, centres and interdisciplinary groups in the University of Adelaide are eligible.

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

Applications are now sought for the 2000 Adelaide University Matching Funds for Information Technology Development. Guidelines and application forms from Marie Reitano, Office of the Deputy Vice-Chancellor (Education), Room G04, Mitchell Building, tel: 35511, fax: 34873, email: <[marie.reitano@adelaide.edu.au](mailto:marie.reitano@adelaide.edu.au)> or downloaded from the Deputy Vice-Chancellor's web-site: <[http://www.adelaide.edu.au/DVC/quality/matching\\_funds\\_it\\_development.html](http://www.adelaide.edu.au/DVC/quality/matching_funds_it_development.html)>

Nominations must reach the Office of the Deputy Vice-Chancellor (Education) by **Friday 7 July 2000**.

### GST and postgraduate scholarships

All academics who fund postgraduate scholarships which are indexed to the Australian Postgraduate Award/University of Adelaide Scholarships/Australian Postgraduate Award (Industry) rates should be advised that following advice received from DETYA, all stipends/allowances will increase with effect from 1 July 2000 as follows:

Base Stipend:	\$17,071pa
Priority/Industry:	\$22,030pa
Thesis allowances:	
Masters:	\$415
PhD:	\$830

### Kathleen Lumley College

Is the postgraduate residential college of the University.

The College has 2 small flats and 2 single study bedrooms (with bathroom) available for short and medium term visitors to the Uni.

Call Allyson Sandham, ph 8267 3270, fax 8239 1705, email: <[klc@adelaide.edu.au](mailto:klc@adelaide.edu.au)>.

## RHODES SCHOLARSHIP FOR 2001

The Rhodes Scholarship is open to both women and men and is tenable at the University of Oxford for two years in the first instance.

The scholarship provides for the payment of the scholar's College and University fees as well as a stipend of 720 pounds Sterling per month.

Candidates must be Australian citizens resident in Australia for at least five of the last ten years and have passed their eighteenth birthday but not reached their twenty fifth birthday by 1 October 2000.

Intending candidates should contact the Honorary Secretary for application forms and further information as soon as is possible. General information about the Rhodes Scholarships with particular reference to applicants from South Australia is available at: <[www.adelaide.edu.au/Graduate\\_Studies/scholarships/rhodes](http://www.adelaide.edu.au/Graduate_Studies/scholarships/rhodes)>.

Applications, 2000 for 2001, close with the Honorary Secretary of the Selection Committee for South Australia at 5.00pm on Friday 1 September 2000. The Honorary Secretary can be contacted at: c/- Education Adelaide, 2nd Floor, 157 Grenfell Street, Adelaide (PO Box 3064 Rundle Mall, Adelaide SA 5000), tel: 08 8232 8722, fax: 08 8232 8737, email: <[geoffrey.sauer@adelaide.edu.au](mailto:geoffrey.sauer@adelaide.edu.au)>.

GEOFFREY SAUER  
Honorary Secretary

## Student Evaluation of Teaching

The Advisory Centre for University Education provides a service to all University teaching staff who wish to evaluate their teaching. This service is known as Student Evaluation of Teaching (SET). Staff wishing to use SET for the first time should call the Evaluation Service Office, ext 33496/33023, for a copy of the package.

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

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

It is ACUE policy that all requests are placed in a queue determined strictly by date of receipt. Requests which do not allow sufficient lead time may not be processed. We recognise that occasionally there will be circumstances where a staff member will need to request an evaluation service but cannot give the required minimum notice. In these cases a service will be provided within 5 working days and a priority fee of \$75 charged.

## Women's Professional Development Network (WPDN)

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

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

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

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

### COMING EVENTS

#### Breakfast

- 8.00am on Thursday 15 June
- 8.00am on Friday 14 July at the Union Gallery Coffee Shop.

## Adrian Graves Farewell

His departure for Scotland is imminent! So, the friends of Adrian Graves are warmly invited to join him in a farewell drink on Friday 9 June in the Office of Professional and Continuing Education, Staff Development Centre, 2nd Floor, 10 Pulteney Street, from 4.30pm.

For catering purposes, please RSVP to Natalie Wilson, by email: <[natalie.wilson@adelaide.edu.au](mailto:natalie.wilson@adelaide.edu.au)> or telephone 8303 3344.

## 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.

## Sunday afternoon concert

On Sunday 11 June at 2.30pm at 65 Watson Avenue, Rose Park. Tickets \$12 at the door; afternoon tea provided.

Lisbeth Rutter - pianoforte,  
Kimberley Mann - poetry,  
Addrienne Eccles - appalachian dulcimer and folk songs.

RVSP: The Magdalene Centre  
8232 6898.

## Visual Identity Web Site

The first stage of the new Visual Identity web site is now available at <<http://www.adelaide.edu.au/pr/vi/>>.

This section focusses on the University logo. The site will be regularly expanded as further templates and protocols are finalised.

JOHN EDGE  
Manager, Media, Marketing & Publications



## Barr Smith Library

### PENCIL ART

The Barr Smith Library entrance foyer has a beautiful display of pencil art, works by University of Adelaide Zoology and Botany graduate Robert Wilkins.

Robert uses graphite and colour pencils to draw his work, mainly from original early twentieth century photographs. Each drawing takes two to five months to complete. Come and see them in the library (until the end of June).

## Millennium Talk Series

The professional societies involved in the resources sector in South Australia are planning to hosting a joint series of milestone talks entitled the NewMillennium Talk Series.

The Millennium Series comprises five talks, one hosted by each of the societies, that will take stock of trends and critical issues facing our industries. Focus for a series of talks of broad interest to all of our memberships by high profile speakers. Members of all the societies and visitors are invited to the Millennium Series.

Bookings are required for PESA & SPE talks, and would be appreciated from members of the other societies and visitors for ASEG, AusIMM & GSA talks.

**Computing in the New Millennium: Where are We Headed?** Ian Lilly, Marketing Manager, Mining/Petroleum Asia Pacific, Silicon Graphics. Hosted by the Australasian Institute of Mining and Metallurgy. Thursday 22 June, 5.30 for 6.15 pm, AMF Annex Lounge, 63 Conyngham Street, Glenside. \$4 members & visitors (pre-talk drinks and nibbles). AusIMM Bookings: Ken Bampton Ph 8264 7745 <[ken\\_bampton@msn.com.au](mailto:ken_bampton@msn.com.au)>.

**Gold Mining in the New Millennium:** Bruce Kay, Group Executive - Exploration, Normandy Mining. Hosted by the Geological Society of Australia. Thursday 20 July, 5:30 for 6:15pm, Mawson Lecture Theatre, Geology and Geophysics, Adelaide University. \$4 members &

## On-line advertising service

SEEK Communications has recently been selected by the AVCC as the successful provider of on-line advertising for Australian universities. Use of the service has been endorsed formally by Adelaide University.

SEEK is a premier Internet recruitment site in Australia, and has already entered into successful partnerships to provide tailored advertising services.

SEEK Communications will set up a specialised website for university job advertisements, called UniJobs. This site will permit interested applicants to browse on-line advertisements and includes the capacity for individuals to search for advertisements by preferred criteria (eg by location or by occupation classification). In time, the service will allow applicants to lodge applications electronically, through the email system.

Departments may utilise UniJobs as part of their advertising strategy to complement/replace external advertising in the print media. All advertisements on UniJobs will be placed through Human Resources. Staff will be available to assist departments in the development of advertisements and to provide advice on lodgement.

To encourage universities to take up this service and to quickly build up the critical mass needed for success, SEEK is offering a half price discount until the end of 2000.

Cost per advertisement: \$30 (will normally be \$60)

Period of display: 28 days

It is anticipated that the service will commence mid-year. Briefing sessions will be conducted around the University in the coming weeks. For further information, contact Kathie Hurst or Lee Jones in Human Resources, ext 35666.

STEVE DAYSH  
General Manager, Human Resources

## Dental care specials!

### Dental treatment for University staff and students

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

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

Emergency dental treatment and routine dental care is available at the CACDRC. Specialist orthodontic and implant services are now available. All patient treatment is carried out by qualified staff. Competitive rates and EFTPOS facilities are available. Concessions are also available for holders of University cards.

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

