

## New water engineering centre 'making waves'

THE UNIVERSITY OF ADELAIDE'S newest research centre is making waves—literally—in its push to develop better water management systems.

The Centre for Applied Modelling in Water Engineering (CAMWE)—officially opened on 18 June—aims to work with industry and government to help solve practical problems of water management.

The Centre is using computer and laboratory modelling techniques (including wave-generation) to develop and test solutions.

The Departments of Civil and Environmental Engineering and Applied Mathematics have a long history of excellence in research and consultation in water and environmental engineering.

Their work in designing more efficient water pipe networks, in particular, has put the University at the forefront of world research in the field.

Associate Professor Graeme Dandy, the new Centre's Director, said the establishment of CAMWE would build on and enhance this reputation.

"The initial membership of CAMWE consists of eight academic staff from the Faculty of Engineering, Computer and Mathematical Sciences, plus 25 postgraduate students," he said. "We anticipate that other researchers from within the University, or from other organisations, will join the Centre."

"We also have close research links with academic staff at universities in the USA, UK, South Korea, Japan, Italy,

Slovenia, Ireland and South Africa.

"Much of the fundamental research that we are carrying out is applicable anywhere in the world. This is particularly true of areas such as pipe network optimisation and wetlands modelling.

"However, a number of the studies that we have carried out have focused on particular South Australian projects, such as the possible impacts of marinas and other coastal works."

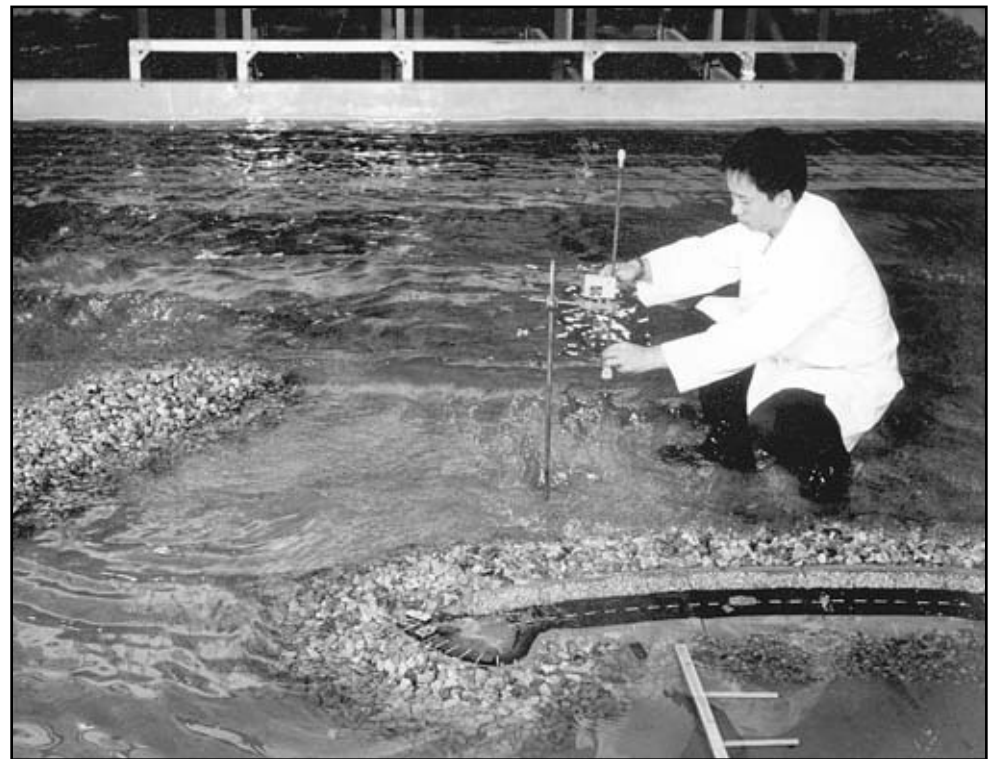
The Centre's laboratories are equipped with open-channel flumes (artificial channels for studying water flow, sediment transport or wave propagation) as well as a three-dimensional modelling basin and a range of pipeline and pump systems.

These have been used to study wave penetration in South Australian harbours, to test pump systems and pipe components and to examine water flow over weirs and spillways.

Graeme Dandy said industry involvement would play a key role in the Centre.

"CAMWE is in the process of developing closer ties with United Water," he said. As the company responsible for Adelaide's water and sewerage services, United Water is committed to developing the water industry in the state. Part of that role is to support research.

"A formal understanding with United Water would give the Centre an opportunity to work with a locally-based company that has important



A three-dimensional modelling basin enables researchers at the new Centre to test solutions to practical problems of water management. Photo courtesy of CAMWE.

international links through its parent companies Thames Water and Générale des Eaux.

"Research links are being developed also with North West Water (the company contracted to build water treatment plants along the River Murray).

"Historically, the University has always had strong links with the water industry.

"Many of the people in senior positions in the water industry in South Australia are graduates of the University of Adelaide and quite a few have undertaken postgraduate studies in the Faculty of Engineering, Computer and Mathematical Sciences.

"With this initiative, we're continuing and building on a long tradition of partnership."

—John Drislane

## Young people the key to mental health success

A \$2 MILLION mental health project involving researchers from the University of Adelaide is revolutionising the way mental health is dealt with in Australia.

The project, called AusEinet (Australian Early Intervention Network for Mental Health in Young People), aims to prevent mental illness in young people by identifying and treating those "at risk" at the earliest stages possible.

The first of its kind in the world, AusEinet (pronounced "Oz-ee-net") shifts the focus of mental health services away from simply treating people who have suffered illnesses for a number of years, towards early awareness and prevention.

Funded by the Federal Government's National Mental Health Strategy, the AusEinet project is run by a collaborative team headed by Professor Robert Kosky (University of Adelaide, Department of Psychiatry, Women's & Children's Hospital) and Associate Professor Graham Martin (Flinders University). Senior Project Officers are Anne O'Hanlon (University of Adelaide, Department of Psychiatry) and Cathy Davis (Flinders University).

"For some time now there's been a need to look at areas that have been neglected in mental health, and one of these is how to identify people early on in their illness, and how to provide them with treatment before it gets any

worse," Professor Kosky said.

"In most places in the world, including Australia, that's generally not been done because all of the resources have been focused on treating people who've had mental illnesses for a pretty long time.

"Now it's my view, and the view of a lot of people in Australia, that early intervention is the key to effective management of mental health."

Professor Kosky said childhood and adolescence were the most crucial points in dealing with mental health.

"You can do a lot in those early stages to set young people on the right path—everybody has the potential to go in a lot of different directions," he said.

"Once young people get onto a path of alcohol abuse, or crime, or psychosis, then it's very difficult to stop it. But if you can intervene at the right point, when the earliest signs are showing, and if you can intervene effectively, then you've still got lots of potential to work with young people. You can help them take a

different path altogether."

The AusEinet project team, which was established in 1997, had three main objectives: develop and maintain a national network on early intervention; enable selected agencies to reorient their services towards early intervention; and fund clinical research projects which would result in the development of guidelines for early intervention.

The first two of those objectives have now been achieved, with the third very close to completion.

The AusEinet group now has a network of 2800 people throughout Australia, made of up a wide range of backgrounds and skills. They include key workers within government and non-government agencies, mental health workers, academics, sufferers, carers, and members of the community. They also span a range of disciplines, from juvenile justice to education, housing and Aboriginal Affairs.

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# COMMENTARY

## ARCHITECTURING ACROSS CULTURES: NORTH EAST THAILAND

Earlier this year Alumni Trustee for Architecture, Albert Gillissen, spent some time in outback Thailand involved in architectural design and building. This is an account of his experience. The Near and Far column for this issue has been held over to allow space for Mr Gillissen's contribution.

At the northern fringe of the Greater Bangkok metropolitan area stands an imposing new sporting stadium complex. Its massive columns, vast staircases, inlaid marble paving and other signs of grandeur look impressive. Sadly, it has only come to life once, for one brief glittering gathering of athletes.

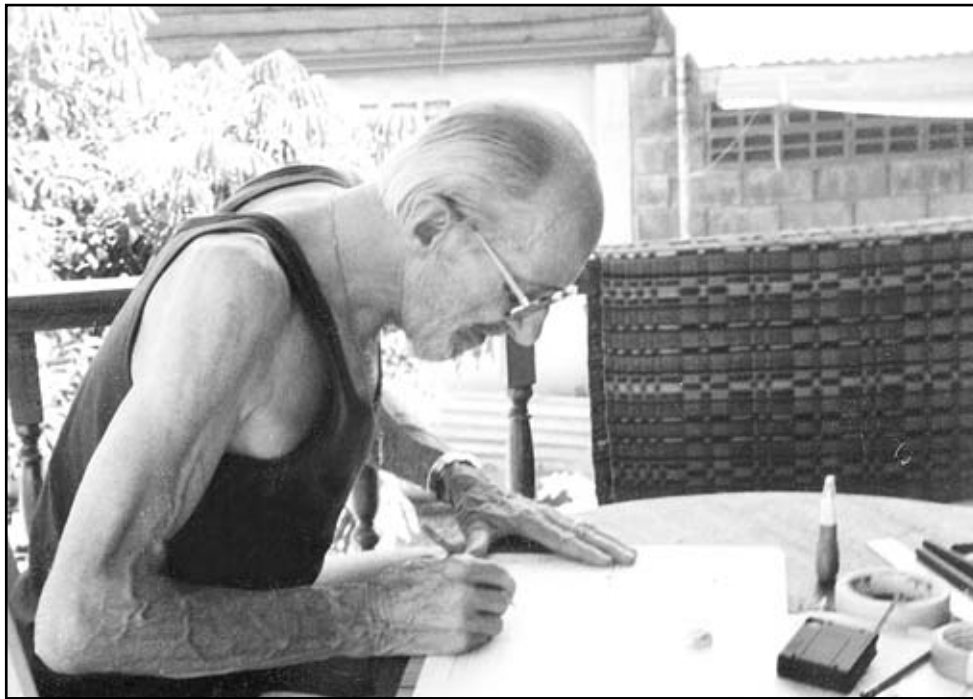
High above ground level, acres of boldly cantilevered walkways sweep like a necklace around the stadium proper. They were obviously conceived as spacious boulevards to accommodate the throngs of aficionados on their way to the grand and glorious spectacle of sporting events.

Standing at the railing of one of these deserted galleries another piece of construction extravaganza can just be identified. Only a few kilometres away, but shrouded in a near perpetual blanket of pollution, a linear latter-day stonehenge image seemed to call for closer inspection. This turned out to be some twenty off-white unoccupied residential towers, their twenty-five floors rising from a barren tract of land.

What the two projects have in common is that they have an eerie, hollow and funereal presence. The odd uniformed guard, paid to keep a vigil over the emptiness, seems incongruous and dwarfed by the mammoth scale of these projects. The buildings stand devoid of life, unwanted, forgotten, unloved, forlorn: an embarrassment all around. Both have fallen victim to the 1997 economic downturn which affected the whole society but in particular the mega-buck property investment market. Their owners are desperately scanning the horizon for a miracle, a rescue package that will bring them back to life and get them out of financial trouble.

The risky nature of these capital city macro developments stands in sharp contrast with the laid-back rural scene in northern Isan, where I recently spent two months providing cross-cultural input to a local project.

Isan is the vast region that lies east of the better known and tourist-orientated axis formed by Bangkok in the south and Chiang Mai in the north. It also is a somewhat forgotten place, forgotten however for different reasons. There is neither tourism, nor any interest from investors. Until the 1970s this region of Thailand, so close to Laos, experienced the many painful side effects of the Vietnam and, more generally, the Indo-China conflict. There are few large cities. Some 90% of the population, mainly rice farmers, live in small village communities. Hundreds of these villages, ranging from 500 to 3000 or 4000 people are strung like beads along a network of meandering red-earth country tracks. The small, family-owned rice fields are the matrix of this land, rice the main source of income. When rains do not



Albert Gillissen in his 'drawing office' in Thailand

come at the right time there are lean years. In the off-season there is a laid-back atmosphere.

In particular in the north of Isan the people have strong connections with Laos. Many have relatives there and they speak a Laotian dialect. Their life-style, which has remained virtually unchanged for a hundred years or so, is only now coming under the sway of a number of modern forces. One example of this can be seen in the rapid changes that have occurred in the construction of their houses.

Traditionally their simple two-storey village houses followed a no-nonsense, pragmatic pattern, directly related to their lifestyle and the availability of materials. House building took place after the harvest and before the next rains. It was a collective village activity. An open undercroft of post and beam construction accommodated their buffaloes, used to work the land, as well as farming implements. On top a timber platform was built, reached by a ladder or simple stair. Here were the living quarters, often only one large space. External walls were lattice and dried leaves or woven bamboo. Roofs were thatched. There are still many examples of this type of dwelling. Meals were, and largely still are prepared in the open on charcoal fires. Water is pumped from the wells.

Already in the past two or three decades corrugated iron and then asbestos have been replacing thatch as a roofing material and rough timber planking became used for walls. Since the 80s increased living standards, deforestation and technology have caused further changes. One of these is that soaring timber prices have brought in purpose-made precast concrete columns for ground-floor construction. It is interesting to note that these changes have not affected the traditional blessing by the Buddhist monks of the placing of the first column.

I have witnessed these changes since I first became involved in 1991 with some cross-cultural design advice and educational and health support work in one of the villages. Since then a few senior members of the community

have been working together with a Singapore textile designer and antique dealer who is also an aid worker and somewhat of a philanthropist. This man has developed a considerable affinity with the local community and divides his time approximately equally between Isan and Singapore. The aim of this trio has been to re-activate the neglected weaving tradition whilst providing pride and work for the weavers; to supplement income; and to provide relief assistance where needed. For some time now silk worms are being grown again and spinning and weaving are returning, to the delight of a number of local women. The natural inclination towards chatty sociability of these essentially Laotian Thai people has made it relatively easy to implement a number of initiatives of social and economic value.

Over the years I have become somewhat of a confidant of this trio and have been fully welcomed in their midst. A few years ago they bought fifteen rai of low-lying land (1 rai = 1600 sq.m.) on the edge of the village. I was asked to give advice on the best way of using this land for some new housing for the owners and their families as well as for some relatives. An important component was to be the building of improved facilities for silk weaving which had been taking place in the undercrofts of the houses.

It was arranged that early in 1999 I would spend two months on the site to complete design work within their cultural context and advise on technical and building aspects.

From my Aldinga Beach base I prepared an overall plan and some input in the design of the houses. The land was prone to flooding and it was agreed that the first thing to do was to give the land a one-metre topping of soil. This was achieved partly by the excavation for a 4000 sq.m. pond as a focal point for the whole development. In addition, the pond was also part of an overall intention to make the development as self-sustainable in daily food production as possible. Fish from the pond has in the meantime already appeared on their plates !!

It took more than 24 hours and three

planes to get me from Adelaide to Udon Thani, some 90km from the village. My hosts met me in their utility whisking me straight to sort out some problems. I was told with great enthusiasm that the foundations of the houses were being poured. That no further details had been worked out did not seem to bother them. They assumed that I would be able to deal with that whenever the need would arise. And, in a cross-cultural way, with adaptations, compromises and flexibilities on all sides, that was the delightfully fascinating challenge I faced for the next two months.

These were the first houses in the village with a reinforced concrete slab and a 4m module for the concrete column and beam construction. This had been chosen by the owners as the most appropriate updated version of their traditional double storey houses. Such seemingly possible alternatives as loadbearing brickwork, steel frame or rammed earth were outside their tradition and experience, both visually and technically.

My 'drawing office' alternated between an open balcony with a small wobbly table in temperatures of 30 or, when conditions were windy, on the bed in my room where temperatures rose to the mid 40s. My drawing board was a warped piece of 3mm plywood. A few Artline pens, a 200mm ruler and A3 and A4 graph paper completed my equipment.

None of the team of 15 building workers, including an excellent and highly intelligent foreman, had any formal qualifications. Most of them, however, had had some practical experience on building projects in larger cities. They had lost their jobs in the economic downturn, had returned to the villages and were happy to work on this job. Owners and workers were either related or friends and co-villagers. Giving details of all the challenging and incongruous situations that have arisen during my involvement there would become boring. However Australian architects may find a few observations of interest.

The actual construction process is, in this rural area, entirely a matter between owner and building workers. There are as yet no planning or building permits, no regulations, controls or limitations. There are no unions or minimal wages, nor demarcation problems, no legal or insurance provisions.

There is an unwritten contract between the owners and the team which is engaged for the whole project. There is mutual trust and loyalty and, where needed, compassion. Between them they did the excavation for the foundations, the steel work and poured the concrete. For the first floor this entailed a chain of men who with buckets, and under rhythmic chanting, raised tons of concrete up in the air. The same people will later put their hand to laying the brick infill panels, do the carpentry, roofing, plumbing, tiling and whatever else will be required of them.

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# Open forum: trimester concept

THE VICE-CHANCELLOR, Professor Mary O'Kane, is holding an open forum on the concept of introducing a third "semester" to the University's calendar.

The forum will be held on 2 July at 12 noon in the Union Cinema, on Level 5 of the Union Building.

Professor O'Kane said the concept of a trimester had been raised by staff in discussions about taking a "contingency" approach to future salary increases (where salary increases would be contingent on increases in untied, sustainable revenue).

She said the trimester concept—already used by the Medical School and the Graduate School of Management to deliver certain courses—could take various forms.

For example, it could mean anything from the development of a "summer school" to deliver non-award courses to the inclusion of a formal, optional third trimester in the teaching of all University courses in which HECS-liable students could complete their degree more quickly on a fee-paying basis.

In a letter to staff, Professor

O'Kane said: "Any trimesterisation of the academic year will have important ramifications for staff members and requires extensive discussion across the University."

The forum will include a presentation on the issues relating to trimesterisation by the Deputy Vice-Chancellor (Education), Professor Penny Boumelha.

*Anyone who cannot attend the forum can send comments on this issue to Marelle Smith, Human Resources <marelle.smith@adelaide.edu.au>.*

# Project Endeavour hits the road

ABOUT 200 staff attended the first Project Endeavour roadshow at the Napier Lecture Theatre on 22 June.

The session was the first in a series aimed at keeping staff informed about the new management information systems being introduced progressively to all areas of the University.

The roadshow is scheduled to visit Charles Hawker Conference Centre at Waite on 5 July and the Stefanson Lecture Theatre at Roseworthy Campus on 12 July (both 1pm).

Faculty information sessions are planned for the mid year break.

Project Endeavour aims to ensure the core activity of the University is

supported by using better information technology and more efficient administrative practices.

Key areas of change will be in finance, student administration, research support and human resources.

The changes will take place in stages with the completion of initial systems implementation expected in 2001.

Project Sponsor Ian Creagh said the roadshows had been organised to ensure that the University's diverse community understood Project Endeavour and played a role in its implementation.

"The project offers us a tremendous

opportunity to implement a range of practices that universities around the world have been experimenting with," he said.

Project Director Richard Arrowsmith outlined the history and objectives of the Project.

He said 10 November 1999 would be the first major milestone, marking the introduction of new pay roll and leave systems.

Audience questions centred on the practical workings of the new systems.

There will be further opportunities for staff to ask questions about the new systems at Faculty-based road shows.

—John Drislane

# R&D and the wine industry

PROFESSOR Peter Høj, Horticulture, Viticulture & Oenology and Director of the Australian Wine Research Institute, will present the last in the current series of Inaugural Lectures on Friday 2 July at 1.15pm in Napier Theatre 102.

Society's long term growth and prosperity is dependent on a sustained investment in Research and Development, Professor Høj argues.

The long lead time often experienced in R&D, however, can make funding for science very vulnerable—especially due to the lack of an immediate visible effect resulting from cuts in basic research.

"To secure the funding base for R&D in Australia, it is imperative that the public and politicians realise the benefits of investment in this area. To realise such an understanding and ensuing support, it is imperative that scientists communicate extensively with the public and relevant industry sectors."

In his lecture, Professor Høj will outline the Australian Wine Research Institute's current activities and efforts to engage with its target industry.



*The Consul-General of Japan, Mr Kagefumi Ueno, signs the University of Adelaide visitors' book.*

*Mr Ueno visited the University recently, accompanied by his Mrs Keiko Ueno, the Honorary Consul, Mr Bruce Thomas and his wife Mrs Wilma Thomas. They met with the Vice-Chancellor, Professor Mary O'Kane, and other senior staff.*



## Stylish Style Police

I have long been concerned that the University does not project a consistent and coherent visual image. So last year I established a small group to consider the problem; this led to the commissioning of image consultants, Emery Vincent Pty Ltd, to prepare a visual identity strategy and design brief. Early last week I met with a representative of the firm and a former member of our academic staff, Dr Peter Steidl, to be briefed on the draft report. I was delighted that the document presents design guidelines which will increase the impact of our visual communications and project an image that will assist us to achieve our strategic vision. It showed an excellent understanding of the University and its culture, and I feel confident that commissioning the proposed design tasks will result in a new "look" that will serve us very well indeed.

On Saturday evening I was at a small dinner party with several members of one of our departments and a senior academic from another Australian university. Our eminent colleague told a funny story about the new draconian style guides introduced at his institution, revealing that they are widely regarded as a major problem; they've introduced a typeface that nobody has on their computers and guidelines which have led to all sorts of communications conundrums. When one particular member of the university flouted the guidelines, punishment had been swift—immediate appointment to the Style Committee of the university. Well, you can imagine my unease. I felt a ghastly grin covering my face as the story was told and when my colleague finished I said brightly "Well, guess what I did today?". I went on to tell the group about my interview with our image consultant and how pleased I am with the draft report. This led to a jovial and spirited discussion of the right and wrong ways to introduce style guidelines. Obviously I am hoping we will do it well. There certainly will be ample time to comment as the process moves into the next phase of realising the design tasks. I am sure we will be more successful than our colleagues at University X. As I see it, my job is Vice-Chancellor, not Style-Police Commissioner.

PS. One of the things the consultants have raised is the idea of a positioning line—a short tag which would appear on documents, a description of us, by us. Just to give an example, the image consultants suggested the phrase "A knowledge organisation". I must say while that truly does describe us, it doesn't really "grab me".

Talking about this with Mr Malcolm Long, a former Head of SBS, I took to heart his advice that the best way to decide on an appropriate positioning line would be to draw up a long list of possibilities—eventually the "right" one will emerge from the pack. So, lists of potential positioning lines please! There may be a small reward. Whoever submits the winning entry will never ever have to serve on the Style Committee.

MARY O'KANE



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## Young people the key to mental health success

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"We felt this was a great achievement—we've managed to bring together this network of people, we've broken down the boundaries between agencies and departments, and we're getting everyone to work towards the common goal of early intervention," Professor Kosky said.

Two of the groups that have become part of the AusEinet network include: the Children Of Prisoners Support Group, located near the Silverwater prison, NSW, which offers support to the children and carers of children whose parents have been imprisoned; and the Mildura Aboriginal Corporation, which runs a series of workshops called "From Shame To Pride". Children of prisoners and Aboriginal children were both "at risk" groups which could benefit greatly from early intervention, Professor Kosky said.

As it stands, the AusEinet network has acted as a "guinea pig" to test and trial the new methods of early intervention—to see what works and what doesn't, and to offer advice on how other agencies and mental health workers can best reinvent their services to focus on early intervention. Guidelines for practice are now being developed.

The results of AusEinet's work to date were presented at a recent international conference in Adelaide. The conference, at the Adelaide Convention Centre from 6-8 June, attracted more than 275 delegates, including 120 speakers from Australia and overseas.

Professor Kosky said Australia was ahead of the rest of the world in developing early intervention, which until now had not been tackled at a national level by any country.

"We believe that this project is already reshaping the way mental health is being looked at in Australia, and the eyes of the world are certainly on us. This sort of action plan for awareness and prevention of mental illnesses will now be a part of the whole picture of mental health, and that's going to have a very positive impact on the lives of many Australians," he said.

—David Ellis

## Far-flung field trip for Adelaide postgraduate student



The tarsier—rainforest clearances a threat to its existence.

A TINY, saucer-eyed primate lured University of Adelaide ecologist Philip Stott to the remote Philippine island of Bohol this month.

Mr Stott, a Roseworthy-based senior lecturer in the Department of Applied and Molecular Ecology, made the trip to supervise some unusual field study by one of his postgraduate students, Irene Neri-Arboleda.

Ms Neri-Arboleda is studying the Philippines tarsier—the smallest of all primates—for her masters degree in applied science.

Her study site is a 136-hectare forest reserve on the island in south-central Philippines.

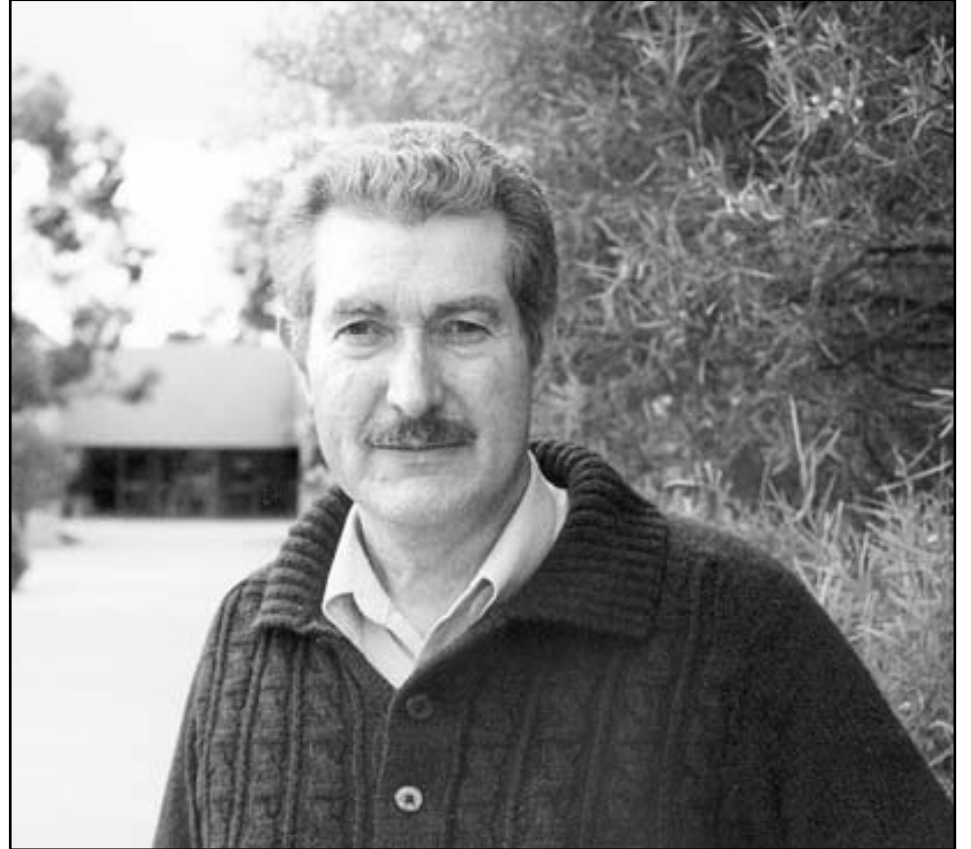
"I've supervised field research on Kangaroo Island previously, but this was certainly the most far-flung site I've been required to visit," Mr Stott said.

"The tarsier is classified as a threatened species by the International Union for the Conservation of Nature and Natural Resources.

"Rainforest clearances are the major threat to its existence, so the forest reserve on Bohol is an excellent place to study it.

"Irene is gathering data on the tarsier's home range and habitat requirements to work out the best way to protect it."

The tarsier is nocturnal and



Mr Phil Stott—supervising unusual field study. Photo: John Drislane.

measures only between 8.5cms and 16cms in length.

It has lost the ability to move its enormous eyes but can turn its head through almost 360 degrees.

Unable to walk, it moves by jumping and leaping among tree branches.

Ms Neri-Arboleda, like Mr Stott, is a veterinary surgeon. She has lectured

in wildlife ecology at De La Salle University in Manila.

Her eight-months research on Bohol is being funded by the National Geographic Society and Primate Conservation Incorporated.

She is due to return to Roseworthy to continue her studies in October.

—John Drislane

### Mathematical modelling book

CAMBRIDGE UNIVERSITY PRESS has recently published the second edition of *An Introduction to Mathematical Physiology and Biology*, by Associate Professor Jagannath Mazumdar of the Department of Applied Mathematics.

The book, for mathematically sophisticated students, is concerned with the mathematical modelling of biological and physiological phenomena. The final chapter deals with a wide variety of commonly used medical devices.

The first edition was published in 1989, and all 10,000 copies sold out nearly two years ago. Cambridge University Press has published the second edition as a textbook in its Cambridge Studies in Mathematical Biology series.

Dr Mazumdar is currently a Visiting Professor at Nanyang Technological University, Singapore.

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## Wormholes, warp drive engaged in public lecture

PHENOMENA normally associated with science fiction will form the basis of a unique and fascinating public lecture at the University of Adelaide in July.

*Wormholes, Warp Drive and Negative Energy* is the title of the lecture to be given by Professor Larry Ford (Department of Physics, Tufts University, Massachusetts).

Presented by the Australian Institute of Physics (SA Branch), this free public lecture promises to be a stimulating discussion of the theory behind such ideas as faster-than-light-speed travel.

Professor Ford said the lecture would look at the limits of behaviour allowed by the known laws of physics, and discuss the possibility of "negative energy densities" which could result in "some bizarre possibilities".

"These include 'traversable wormholes', which would act as tunnels to otherwise distant parts of the universe, and 'warp drive' spacetimes, in which travel at speeds faster than light seems to become possible.

"Furthermore, it may be shown that quantum theory does allow the possibility of negative energy densities," Professor Ford said.

His lecture will be held at 7.30pm in Union Hall at the University of Adelaide, Wednesday, 14 July. Admission is free—all are welcome.

# Adelaide researchers contribute to genetic systems understanding

RESEARCHERS from the University of Adelaide and the Australian National University have achieved further advances in the understanding of genetic systems.

The findings of a five-member collaborative team from the two universities have been published in the current edition of the prestigious journal, *Nature*.

The team comprised Michael Clarkson (Department of Biochemistry, now at the ANU), Professor Rob Saint (Department of Genetics), the late Julian Wells (Department of Biochemistry), and Dr David Tremethick and Professor Frank Gibson from the John Curtin School of Medical Research at the ANU.

Their research was based on genetic analysis of a series of tiny flies, *Drosophila melanogaster*. It focused on a group of proteins—termed histones—once thought simply to pack DNA in a chromosome.

The major histone types are almost identical in all plant and animal species, but all plants and animals contain lower amounts of subtly distinct variants of these major types.

Variant histones are highly conserved across the animal and plant kingdoms, suggesting that their role, although poorly understood, is important.

Professor Rob Saint said the research team set out to examine how one such variant histone differed from the histone normally used to wrap DNA.

"Surprisingly, the difference could not be related to the way the histones interact with components of the gene expression mechanism," he said.

"Rather the results pointed to differences in the stability with which the different histones wrap the DNA. This finding supports and extends recent studies suggesting that the stability of DNA wrapping by histones is an extremely important component of the control of gene expression.

"Alteration of this stability is known to occur by chemical modification of the major histones, but the findings in our paper show that stability could also be altered by the choice of histones used to wrap the DNA."

—John Drislane



Professor Rob Saint—part of collaborative team researching genetic systems. Photo: Brenton Edwards

## UPoN '99 conference

WHILE most conferences deal with problems that have already been solved, a new conference in Adelaide is taking a very different approach.

*Unsolved Problems of Noise and fluctuations* (UPoN '99) is the title of a major international conference which looks at a range of unsolved problems in physics, engineering, high technology, biology, economics and other disciplines.

To be held at the University of Adelaide from 11-15 July, the conference will be opened by the Vice-Chancellor, Professor Mary O'Kane, with the keynote lecture given by world-renowned scientist and author Professor Paul Davies.

"Noise and fluctuations are at the seat of all physical systems," said the conference director, Dr Derek Abbott from the Department of Electrical & Electronic Engineering.

"We often think of noise or randomness as a bad thing, but this conference also highlights very different views of noise and fluctuations.

"For instance, one talk will look at the importance of noise in the brain. There's lots of chemical firing and other fireworks going on in there. How do neurons cope with all that 'noise'? And what role does it play? Does noise play a role in cognition?"

"Paul Davies' keynote speech deals with 'vacuum viscosity and quantum noise'. One of the points he's going to make is that a vacuum isn't a nice, clean thing—a vacuum is actually teeming with 'noisy' quantum effects.

"There are many other fields in which noise and fluctuations play a major role, including fields as diverse as economics and finance, and this conference will deal with

these issues on a multidisciplinary level. The scientific community is increasingly finding that really big breakthroughs occur where different disciplines cross-fertilise. Multidisciplinaryism will be the research paradigm for the next millennium," Dr Abbott said.

He said the conference, which has attracted delegates from across the world as well as interstate, was different for a number of reasons.

"Normally a scientific conference is all about what we know, or what we've just discovered. But this conference is addressing what we don't know—addressing the open questions.

"It's important, especially with a topic as difficult as this, to have a forum where we can discuss what the problems are, so we can filter out the important issues and put some focus into the research community."

And because the conference is dealing with unsolved problems, Dr Abbott said it will give the delegates the chance to "have some fun," involving a higher level of audience participation.

The conference has received strong support from a number of organisations, including: the US Institute of Electrical & Electronic Engineering, US Office of Naval Research, US Air Force Office of Scientific Research, Australia's Defence Science & Technology Organisation, the Institution of Engineers Australia, the University's Centre for Biomedical Engineering, and the Department of Industry, Science & Tourism. Conference proceedings will be published by the American Institute of Physics.

For more information contact Dr Derek Abbott 8303 5748, <<http://www.eleceng.adelaide.edu.au/Personal/dabbott/UPoN/uponhome.html>>

## 65-year affiliation comes to an end in Anatomical Sciences



AFTER ALMOST 65 years of affiliation with the University of Adelaide's Department of Anatomical Sciences, Dr Dudley Packer has called it a day.

Dr Packer (pictured 2nd from right) began working for the Department of Anatomy & Histology, as it was then named, as a cadet in 1935. He was appointed a Lecturer to the department in 1948, then a Reader from 1954-72, teaching most aspects of anatomy and conducting some research in embryology.

Despite leaving the department in 1973 to work for the Health Commission, Dr Packer maintained close ties with the department and continued teaching on a casual basis.

Having retired some years ago from the Health Commission, Dr Packer has now decided to retire from teaching.

He is pictured (from left) with former senior lecturer Dr Phillip Messent, former head of the department Dr Bob Barbour, and (far right) current head of the department Professor Maciej Henneberg.

# Study explores link between eating and PMS

RESEARCH by a University of Adelaide PhD student has confirmed that women with premenstrual syndrome crave high-fat and high-sugar foods.

Giordana Cross, studying for a PhD in the Department of General Practice, undertook a study of 88 Adelaide women who suffer from premenstrual syndrome (PMS) and who eat more while suffering.

She found that, on average, the women increased their kilojoule intake in the four days leading up to menstruation by at least 20 percent—much more in some cases. The extra kilojoules most commonly came from fat and sugar-loaded foods such as cakes, biscuits, ice-cream and chocolate.

"Some women almost doubled their energy intake," Ms Cross said. "That was because some of the women would increase their intake substantially by, for example, eating a whole family block of chocolate.

That alone can double your usual daily energy intake."

Ms Cross, who is also Research Manager of the Children's Health Development Foundation at the Women's and Children's Hospital, said the women in the study were asked to fill out food diaries in the four days leading up to, and following, menstruation.

She analysed the nutrient intake of the women and found that the percentage of carbohydrates remained steady in the pre-menstrual phase, percentages of fat increased and protein decreased.

The diaries also reveal wide variations in women's eating habits.

"Some women snack all day, rather than eating meals," Ms Cross said. "Some eat very little during the day and eat larger amounts in the evening.

"I looked at the number of

eating 'episodes' and found that, premenstrually, women tended to eat more frequently."

The most supported theory for increased premenstrual appetite is that it is related to low brain Serotonin levels. However, this theory has been contested by several recent papers.

Ms Cross said her study had implications for women who were trying to control their food intake to combat a weight problem, for example.

"Having a significant increase in appetite and hunger may be disheartening for some women, however understanding that PMS is a cause of increased appetite may help them maintain a healthy eating pattern over the longer term," she said.

There is some suggestion that PMS may be linked to an inadequate intake of certain minerals.

Ms Cross said more work



Giordana Cross—PMS study. Photo: David Washington

would need to be done to determine whether the extra energy intake was helping or exacerbating the symptoms of PMS.

—David Washington

## The 'Contract State': will it lead to a more just society?

LABOUR STUDIES researcher and commentator John Spoehr takes us "Beyond The Contract State" with his new book on South Australia's social and economic well-being.

Mr Spoehr, who is acting director of the University of Adelaide's Centre for Labour Research, is the editor of *Beyond The Contract State*, which includes contributions from a range of expert commentators.

With the late Don Dunstan's 1998 Whitlam Oration as its centrepiece, the book discusses such issues as the South Australian Government's sell-off of public utilities, the debt crisis, and the jobs crisis.

Many of the contributors are widely regarded for their expertise in issues of

employment, privatisation, economics, industry, politics, population change, planning, community services, health services and social justice.

*Beyond The Contract State* was launched last month at Charlick's Feed Store by Adelaide Lord Mayor Dr Jane Lomax-Smith and has quickly become the fastest-selling book published by Wakefield Press.

Prior to the launch, John Spoehr gave a seminar at the Adelaide Convention Centre where he discussed some of the issues raised in the book.

Around 100 representatives from government and industry bodies attended the seminar, which challenged the foundations and effectiveness of the State Government's

economic rationalist approach.

At the seminar, organised by the Australian Institute of Public Administration, Mr Spoehr argued that privatisation and contracting out "are undermining the capacity of government to meet longer term social and economic objectives".

"It seems clear that the 'Contract State' will not lead to a more just or democratic society. It will instead exacerbate inequality and sharpen social, economic and spatial divisions, just as it has in the heartland of the neo-liberal experiment—the United States and Britain," he said.

*Beyond The Contract State* is available from Unibooks and other good book stores for \$29.95.



John Spoehr. Photo: David Ellis

Advertisement

## COMMENTARY continued

From Page 2

There is no rigid working time but they had collectively negotiated to work approximately 10 hours per day for 7 days per week at a rate of approximately \$1 per hour. On the job light-heartedness prevails. There is laughter, singing and banter. They work diligently but relaxed and with good humour. Any problem that did arise was resolved without the slightest acrimony. On the other hand, and in spite of all the goodwill, the workmanship was of the kind that, were we in Australia, would give headaches to all concerned. But within the local context and with different expectations, this too caused no great concerns.

Occasionally, on a Buddhist religious day they would take the day off and celebrated with some special food and an extra drop of rather ferocious rice whiskey. At the end of one of these days this happened with almost childlike abandon in the owner's present house.

I left, leaving owners and the building team with as much information as seemed

appropriate to get on with the work. I had designed and fully detailed three workshops, each containing eight looms as well as a small community building and the always welcome sala or pavillion, perched on the water's edge. I had made a modest contribution by preventing some mistakes and, without imposing unwanted answers, finding solutions to others that had already been made. Some of the discrepancies in the houses had been minimised and an attempt had been made to maximise local conditions.

In all, it has been a wonderful human as well as architectural experience. Working across cultures one becomes very much aware of the relativity of it all. There is a need to remain flexible and understand cultural and local parameters and traditions. This may present some frustrations but ultimately is enriching. I remain in a long-distance involvement. There are some environmental problems to be addressed and, of all things, the design for some stained glass windows. From time to time there is a telephone call from my distant friends...

## Special Alumni Concessions at Elder Hall Concert Series

THE ALUMNI ASSOCIATION is pleased to offer these exciting new benefits for concert-goers.

Members of the Alumni Association may purchase subscriptions packages for the Elder Hall Concert Series for concession prices.

- Any six concerts: \$66 (\$96 full price)
- Any four concerts: \$48 (\$68 full price)
- Any two concerts: \$26 (\$36 full price)

Members should show their Alumni Membership Card at BASS when purchasing their concert package.

Members who have the University Services Package will continue to receive vouchers for the Elder Hall Concert Series as in past years. Each voucher entitles you to one free ticket for the designated concert, and the right to purchase an extra ticket at the concession price.

Please note that all voucher bookings for the Elder Hall Concert Series should be made in advance at BASS, not less than four days before the concert.

The University Services Package is available to members of the Alumni Association only. For the low cost of \$80, members receive benefits, memberships and concessions worth over \$450, including access to the Barr Smith Library, generous concessions at the University fitness centre, membership of the Friends of 5UV, and concessions for University Theatre Guild productions.

Members wishing to purchase the University Services package should contact the Alumni Office, 8303 5800.

## London move for Law graduate

ADELAIDE LAW GRADUATE Robert Switajewski has joined the Products Liability Litigation Divisions of Shook Hardy & Bacon in London.

Shook Hardy & Bacon is one of the 100 largest law firms in the United States and has offices in Kansas City and London, a number of other major US and European centres, and in Melbourne.

Prior to his move to London, Robert Switajewski was a senior associate with Fisher Jeffries in Adelaide. He graduated BA 1988 and LLB 1991 from the University of Adelaide and then took his graduate diploma in Legal Practice at the University of South Australia.



Robert Switajewski

# State of the art technology awaits postgraduate award winner

TWO TRAVEL AWARDS have helped pave a pathway to California for Adelaide University postgraduate Gerarda Stewart.

Miss Stewart, who is studying for a PhD in Physical Chemistry, leaves next month to undertake collaborative research at the Combustion Research Facility of Sandia National Laboratories in Livermore.

The two-month trip follows her success in winning both the DR Stranks Postgraduate Travelling Fellowship and the AUGU/RC Heddle Award for 1999.

Miss Stewart is conducting pure research into the properties of gas phase ions using time-of-flight mass

spectrometry. Laser technology is helping her to identify negatively charged ions and make predictions about possible experimental approaches.

"The most exciting part about the trip is that the Combustion Research Facility uses state of the art laser technologies," Miss Stewart said.

"It's a great honour to be invited there and to have access to the resources it offers.

"I couldn't have availed of the opportunity without the support of the Alumni Association, the Graduate Studies and Scholarships Branch, the Department of Chemistry and the people at the Livermore centre."

Miss Stewart will conduct her research in collaboration with Dr Carl Hayden and Dr David Chandler.

On a trip to Australia last July, Dr Chandler accepted an invitation to visit the University of Adelaide. After spending two weeks at the Department of Chemistry he invited Miss Stewart to visit the Californian laboratory to continue her research.

As well as visiting the Combustion Research Facility, Miss Stewart will attend several conferences, including the American Chemical Society's annual gathering in New Orleans.

—John Drislane

## Inaugural Kuching Convention



Pictured after the Kuching meeting are LtoR: Michael Joyce (University of South Australia), Michael Abbott QC, YAB Datuk Patinggi Tan Sri (Dr) Haji Abdul Taib Mahmud, Sheryl Chandler (Flinders University) and Geoff Sauer (University of Adelaide).

THE FIRST MEETING of the organising committee for the Year 2000 Australian Universities International Alumni Convention was held recently in Kuching.

Input about the experience of organising the Inaugural Convention held in Adelaide was sought by the Kuching Committee and the Chair of the Adelaide Convention and the three South Australian universities' alumni directors attended the first meeting.

The dates for the Kuching Convention are Thursday 24 August 2000 to Sunday 27 August 2000 and details of travel and accommodation packages will be available shortly.

The proceedings from the Adelaide Convention have now been published and are available from the Alumni Office for \$25.00 plus postage.

—Geoff Sauer



THE UNIVERSITY OF ADELAIDE LIBRARY

## Barr Smith Library Tours

The Barr Smith Library is offering free 30 minute guided tours on the first Thursday of every month.

These tours are ideal for those alumni who use the library, and particularly those who are new Services Subscribers.

Familiarise yourself with the layout, collections, resources and services of the Barr Smith Library. Your guide will give you a Library Information Kit to keep for future reference.

Contact Jennifer Osborne, Reference Services Librarian, on 8303 3706 or email <josborn@library.adelaide.edu.au> to make arrangements. Maximum of 12 per group.

# Conservatorium winners in latest Helpmann grants

SEVERAL UNIVERSITY OF ADELAIDE projects have won support in the latest round of Helpmann Academy grants.

Two Elder Conservatorium students have received travel assistance. Performance student Prue Hompas will tour New Zealand with the National Youth Choir of Australia, while oboist Sally Dean will take up a two-year Postgraduate Performance Diploma course with the Royal Academy of Music in London.

The Conservatorium has also won a grant to finance the residency of Michael McCarthy, an expert in the field of Aural Training, choral work and the Kodaly system of music education. Mr McCarthy's residency will be a collaborative venture involving both tertiary and secondary sectors.

The Academy has also funded the services of three professional conductors for a series of student concerts. Nicholas Braithwaite, Graham Abbott and Nicholas Milton will conduct three concerts this year with the Elder Conservatorium Symphony Orchestra. The Orchestra consists of degree and single studies students from the Conservatorium and degree students from Flinders Street School of Music.

The final round of Helpmann Academy grants for 1999 will close on 13 August. The Academy grants scheme is available to students, recent graduates and staff of Helpmann Academy Partners. Contact Sheila Helpmann on 8303 3250 for further information.

# Visit by Balkan and Eastern Mediterranean expert

THE DEAN of the School of Arts and Sciences and Professor of Political Science of the Indiana University-Purdue University at Fort Wayne, Dr Van Coufoudakis, will be presenting lectures and conducting seminars in Adelaide from 18-21 July 1999.

Professor Coufoudakis has been consulted by a number of governments on issues relating to the Balkans and the Eastern Mediterranean.

His research focuses on the politics and foreign policy of Greece, Turkey and Cyprus as well as post-World War II US foreign and defence policy, with particular emphasis on Southeastern Europe, the Eastern Mediterranean and the Middle East.

His latest publication, in association with Professors Harry Psomiades and Andre Gerolymatos, is a book entitled *Greece and the New Balkans: Challenges and Opportunities*, released by the Pella Publishing Company of New York in April this year.

Professor Coufoudakis has been invited by the Justice for Cyprus Coordinating Committee to present a number of addresses in Adelaide.

## Presentations:

- He will present a seminar in the History Department at the University of Adelaide on the topic, "The US and Turkey in the Post-Cold War Era". This will take place on Monday 19 July at 1.10pm in Common Room 420, Napier Building.

- He will also present a public lecture for the Centre for Intercultural Studies and Multicultural Education in the Council Room (7th floor, Hughes Building) at 5.30pm on Monday 19 July. The topic is "The US, Greece, Turkey and Cyprus in the Post-Cold War Era".

- On Wednesday 21 July Professor Coufoudakis is scheduled to address a luncheon meeting of Commonwealth and State politicians and community leaders in the precincts of the State Parliament on the topic "The US and the Cyprus Problem".

## Advertisement

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THE UNIVERSITY OF ADELAIDE



A HELPING HAND in the form of a \$100,000 grant from the Florey Research Fund has enabled researchers to establish a new centre for the study and treatment of lysosomal storage disorders.

About 50 children are born with lysosomal storage disorders each year in Australia. The debilitating genetic disorders result in a poor quality of life for the children and their families, and life expectancy is reduced to between 5-10 years.

Pictured from left are the Chairman of the Florey Research Fund, Professor Robert Bauze, and the head of the newly established Howard Florey Lysosomal Diseases Therapeutic Centre, Professor John Hopwood (University of Adelaide), at the centre's official opening at the Women's & Children's Hospital. Photo: David Ellis.

## ACCOMMODATION

**AVAILABLE:** 2 br executive apartment overlooking Veale gardens, huge living, study, 2 bathrooms, garage and high security. Avail now. Ph Amal 8271 3344 or email: <venn@adelaide.on.net>.

**BEULAH PARK:** 2 storey townhouse, one of a pair, 3 br and separate studio, ducted air cond, lge backyard, walking distance to Norwood Parade, 3km to Uni. Avail 6 July. \$240 pw. Ph 8265 3485.

**HOUSE SITTER AVAIL:** Librarian avail for house-sitting arrangements. Pets and gardens welcomed and cared for. Ph Clare 0418 815 615.

**HOUSE SITTING WANTED:** 22 year old female avail to house sit anywhere near Westbourne Park commencing Nov. Pets and gardens cared for. Ph Kylie 8364 4143.

**LARGS BAY:** Fully furn, 1 br flat avail for short term lease (1 week - 6 mths). Close to beach and train station. Reasonable rates. Ph 8449 9737.

**ST PETERS:** Fully furn, 4 br home featuring master br with b-ins, formal lounge and dining rms, family rm, pine kitchen with dishwasher, rear lane access and lock-up garage. Avail 4 Sept 99. Ph Amal 8271 3344 or email: <venn@adelaide.on.net>.

**TENNYSON:** Fully furn, 3 br beachfront house, magnificent position. Avail 6 mths. \$240 pw neg. Ph 8269 2892.

**WANTED:** Visiting surgeon from UK seeks fully furn, 3 br house from end July 99 for 1 year. Suitable for family of 5. Prefer Stepney/Gilberton/Walkerville or surrounding area if possible. Ph Di Bailey 8130 1221 or 0407 604 169.

**WANTED:** Professional

## ADELAIDEAN CLASSIFIED

couple require unfurn house from mid July. Excellent references. Ph 8271 3237.

**WANTED:** Room/small unit, quiet location, reasonably close to city, prefer off-street parking. Mature student. Ph Jeff 0417 877 309 or email: <jcox\_adelaide@hotmail.com>.

## FOR SALE

**HOUSEHOLD FURNITURE:** Sofa with cane surround, \$200. Brentwood bar stools (3) @ \$40 ea. Student desk, white, 4 drawer, \$80. Queen Ann single bed, white, \$50. New dining table & 6 chairs, Baltic pine, \$800. Marble hall stand & mirror (will separate), \$350. Wardrobe, white with 4 drawers, \$40. Ph 8277 8132.

**HOUSEHOLD GOODS:** 220 ltr fridge; toaster; iron; coffee maker; lounge chairs, etc. Ph Mark 8303 3052 or 8361 3364 (ah) or 0414 319 725.

**MISC:** Thorn 62cm colour TV with SBS plus roller stand, \$150 ono. Desk, 150x75x73, \$35. Lounge suite, black, 3 seater + 2 chairs, good cond, \$150. Wardrobe, 3 piece, walnut, good cond, \$150. Westinghouse fridge, auto, \$100. Table, solid metal stands, 150x90x76, \$35. Ph Chao-Yin 8303 6755 or 8276 8385 (after 5.30pm).

**MITSUBISHI SIGMA:** GL 1983, 5 speed, station wagon. Air cond, tow bar, rego, good runner. UWE 954. \$1,000. Ph Sharon/Dennis 8357 1365.

**OFFICE EQUIPMENT:**

Table, wooden top, 154x90cm black steel legs with detachable raised compartments, \$70. Panasonic answering machine Easa-Phone, \$30. Ph 8223 3726.

**SONY MAVICA:** MVC-FD91, 14x zoom, JPEG still images, MPEG-1 movie recording, floppy storage, 6 mths old. \$1,900 ono. Ph Patrick Kee 8222 4000 (before 5pm) or 8431 1594 (after 8pm) or email: <pkee@camtech.net.au>.

**SPECTROPHOTO-METERS:** 4 x Bausch & Lomb Spectronic 20, wave length range 340-950nm plus some accessories (flow through cuvette attachment - one only, IR phototube + filters - 3 only). Make an offer. Ph Gordon 8303 3121 or email: <gcrabb@medicine.adelaide.edu.au>.

**SUZUKI HATCH:** 1983, manual, good cond. UWU 865. \$1,200 ono. Ph 8410 1221 (ah) or 0414 319 725.

## MISCELLANEOUS

**CHILD CARE:** Reliable, references avail, own transport. Ph Rebecca 8262 5134, please leave message if answering machine is on.

**WORD PROCESSING:** Till end of June \$3.00 per page @ 250 words per page, 1500 words = \$18; 2000 words = \$24. Disk copy in versions including IBM/PC Word 6.0, 7.0(95), 8.0(97) & Mac MS Word 6.0, 8.0(98) amongst others. Laser printing; after hours service; quick turn around; city centre location. Ph Anne Every for a guide to services and costs 8212 6869 or 8415 7866.

**WORD PROCESSING:** Fast and accurate, 15 years experience working as a temp. Good rates. Free pick-up and delivery. Ph Trisha for more information 8232 4841.



## Come along and learn how PROJECT ENDEAVOUR can improve the way we work

The University of Adelaide has established Project Endeavour to implement new Management Information Systems in the key areas of finance, student administration, research and human resources. The project aims to improve the University's services using information technology and better work processes.

### Major topics to be discussed:

**WHY** we're changing our management information systems  
**HOW** the project will affect you  
**WHEN** the changes will happen  
**WHO** are the people involved

### Where can I find out about Project Endeavour?

#### Waite Campus

Charles Hawker Conference Centre  
5 July 1999  
1.00pm - 2.15pm

#### Roseworthy Campus

Stefanson Lecture Theatre  
12 July 1999  
1.00pm - 2.15pm

For more information, see the Project Endeavour website:  
<<http://www.isb.adelaide.edu.au/mis2001/index.html>>

## AUSTRALIAN AND NEW ZEALAND COUNCIL FOR THE CARE OF ANIMALS IN RESEARCH AND TEACHING LIMITED (ANZCCART)

### Analgesia in Laboratory Animals

This one-day workshop will be held at the Hawker Centre, Waite Campus on Wednesday 21 July 1999.

It will be led by Professor Paul Flecknell from the Comparative Biology Centre, Medical School, University of Newcastle-on-Tyne, UK. Professor Flecknell is a world expert in this field and has published widely on this subject, including several books.

The workshop is open to all and will be of particular interest to scientists and technical staff working with animals, members of Animal Ethics Committees, Veterinarians and members of animal welfare organisations.

The cost for the day is \$80, which includes morning and afternoon tea and lunch, as well as a set of notes from Professor Flecknell.

#### PROGRAM

9.25am Introduction, outline of the day  
9.30am Do animals experience pain? (an overview of differences between pain and nociception and why animals and humans might differ in their perception of pain)  
10.15am Pain assessment in animals - techniques available (scoring systems, new

developments in pain scales, practical application of scoring, examples of pain related behaviours)  
11.00am Coffee/Tea  
11.30am Analgesics - drugs available and methods  
12.15pm Problem solving - groups discuss an experimental protocol, and prepare a commentary  
1.00pm Lunch  
2.00pm Groups present commentary  
3.00pm Tea/Coffee  
3.30pm Pain relief and research - problem areas (eg chronic pain, studies which involve producing painful conditions, interactions of analgesics and research protocols)  
4.15pm Question and answer session  
4.45pm Close  
Further information and registration details can be obtained from ANZCCART, PO Box 19, Glen Osmond, SA 5064, tel (08) 8303 7393 / 8303 7325, fax (08) 8303 7113, email: <[anzccart@waite.adelaide.edu.au](mailto:anzccart@waite.adelaide.edu.au)>. Registrations close 9 July 1999.

## The Don Dunstan Foundation

The Don Dunstan Foundation presents "An Evening with Beatrix Campbell" to be held at 6.00pm on Monday 12 July 1999 at the Art Gallery Cafe.

Beatrix Campbell is an International media commentator and distinguished guest speaker of the Adelaide Festival of Ideas. She will speak on issues about which Don Dunstan was particularly passionate.

Admission is \$15 with refreshments provided, including David Wynn Wines donated by Mountadam vineyard.

Bookings can be made through the Don Dunstan Foundation on 8303 3364.

## DINNER

The Humanist Society of South Australia is holding a celebratory dinner on Friday 30 July 1999 at the Norwood Function Centre. The Lord Mayor, Dr Jane Lomax-Smith is a guest speaker. Tickets at \$27 (including buffet meal) can be obtained by calling 8255 9508. All proceeds to the Don Dunstan Foundation.

## SPORTS ASSOCIATION

### Mid-year Camping Safari

The mid-year 10 day Central Australian Camping Safari departing Monday 12 July returning Wednesday 21 July 1999. \$585 fare includes accommodation, travel, food, water, entrance fees to tourist attractions. Itinerary from the Sports Association Office, Ground Floor, Lady Symon Building, tel 8303 5403 or 8303 3410.

### MONDAY 28 JUNE

1.00pm **Microbiology & Immunology Seminar:** Characterisation of a novel homeobox gene expressed in haemopoietic progenitor cells by Mr Paul Moretti (Division of Human Immunology, Hansen Centre, IMVS). Library, 5th Floor, Medical School Sth.

### TUESDAY 29 JUNE

12noon **Child Health Research Institute Seminar:** Plasma Membranes and Calcium Channels in Normal and Diseased Cells by Dr Greg Barritt (Biochemistry, Flinders Medical Centre). Seminar Room, 7th Floor, Rieger Building, WCH.  
1.00pm **Free Lunch Time Seminar:** Aspects of Australian Foreign Policy including Relations with Indonesia and East Timor by Hon Laurie Brereton MP (Shadow Minister for Foreign Affairs). Room 9, 2nd Floor, Barbara Hanrahan Building, UniSA. Enquiries Felix Patrikeeff, 8303 4607 or Rosemary McKay, 8302 0757.

### WEDNESDAY 30 JUNE

1.10pm **Horticulture, Viticulture & Oenology Seminar:** Glycosyl-transferases of grape vines by Dr Chris Ford (HVO). Plant Research Centre Auditorium, Waite Campus.  
1.10pm **Genetics Seminar:** Title to be announced, by Dr Sue O'Connor. Seminar Room, Ground Floor, southern entrance, Fisher Building.

### THURSDAY 1 JULY

12noon **HCCR/IMVS Seminar:** New Drug Trials for Cancer by Prof Ian Olver (Head, Oncology, RAH). Verco Theatre, IMVS.

## COMING EVENTS

June 28th — July 9th

### FRIDAY 2 JULY

12.45pm **Dentistry Seminar:** The TMJ - biochemical and structural perspectives by Associate Professor David Wilson. Lecture Theatre 1, Adelaide Dental Hospital

1.15pm **Inaugural Lecture Series:** From research to practice: should scientists be involved and if so how? Examples from the Australian wine industry by Professor Peter Høj (HVO / Director, The Australian Wine Research Institute). Lecture Theatre 102, Napier Building.  
4.00pm **School of Economics Seminar:** Structural Estimation of Psychiatric Hospital Stays by Professor Paul Rilstone (York University, Canada). Room LG14, Napier Building.

4.00pm **Obstetrics & Gynaecology Seminar:** Androgen receptor in prostate and breast cancer by Professor Wayne Tilley (Flinders Cancer Centre, FMC). Seminar Room, 6th Floor, Medical School North.

### MONDAY 5 JULY

2.00pm **English/British Studies Seminar:** Early Modern Midwifery by Elaine Hobby (Loughborough University). Room 618, Napier Building.

### WEDNESDAY 7 JULY

12noon **Waite Campus Lecture - Distinguished Lecturer Series:**

The role of behavioural ecological research in the selection and evaluation of parasitoids for biological control of cassava and mango mealybugs by Professor Jacques van Alphen (Institute for Evolutionary and Ecological Science, Leiden University, The Netherlands). Charles Hawker Conference Centre, Waite Campus.

1.00pm **Friends of the State Library of SA:** Books in My Life - speaker Rex Jory. Institute Building, cnr Kintore Avenue (entrance) and North Tce. Admission \$3/\$5. Further details from Helen Williams, 8207 7255.

### THURSDAY 8 JULY

12noon **HCCR/IMVS Seminar:** The Role of Recombination and Mutation in Cancer using a Transgenic Mouse Model by Dr P Sykes (Principal Research Scientist, Haematology & Genetic Pathology, Flinders Medical Centre). Verco Theatre, IMVS.

### FRIDAY 9 JULY

4.00pm **Obstetrics & Gynaecology Seminar:** (UK) Human Fertilisation and Embryology Authority by Professor Sam Berry (Genetics, University College, London). Seminar Room, 6th Floor, Medical School North.

7.00pm **The Christian Medical & Dental Fellowship of Australia / The Institute for the Study of Christianity in an Age of Science & Technology:** God, Genes and the Environment: Integrating Biology and Theology. Speakers: Prof Sam Berry (Genetics, University College, London), Dr Caroline Berry (Consultant Clinical Geneticist Emeritus, Guy's Hospital, London). Chair: Prof Graeme Young (Gastroenterology, FMC). Australian Mineral Foundation, Conyngham Street, Glenside. Entry by donation.

# 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\*\***

## RESEARCH ASSOCIATE (Ref: 1921)

Department of Mechanical Engineering

Salary: \$37,779 - \$46,013

Further information for this fixed-term position may be obtained from Ian Brown, telephone: 8303 4703 or email: <[ian.brown@adelaide.edu.au](mailto:ian.brown@adelaide.edu.au)>.

\*\* 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.**

## LECTURER/SENIOR LECTURER IN WINE MARKETING\*

(Ref: 2489) (Tenurable)

Department of Horticulture, Viticulture and Oenology

Waite Campus

Salary: \$48,435 - \$57,518/  
\$59,332 - \$68,415

\*The successful applicant will be appointed at the appropriate level depending on qualifications and relevant experience.

Further information for this tenurable position may be obtained from Professor Margaret Sedgley, Head, Department of Horticulture, Viticulture and Oenology, telephone: 8303 7248, fax: 8303 7116, email: <[hvo@waite.adelaide.edu.au](mailto:hvo@waite.adelaide.edu.au)>.

## LECTURER B

(Ref: 4819) (Fixed-Term)

Department of Clinical and Experimental Pharmacology

Salary: \$48,435 - \$57,518

Further information about this fixed-term position may be obtained from Professor F Bochner, telephone: 8303 5571 or Professor JM White telephone: 8303 5987.

## DATA ANALYST

(Ref: 9897)

Research Branch

Full-time Salary HEO6: \$38,751 - \$41,959

Further information for this part-time fixed-term position may be obtained from Coleen Roddam, telephone: 8303 5137, fax: 8303 3700 or email <[coleen.roddam@adelaide.edu.au](mailto:coleen.roddam@adelaide.edu.au)>.

## ADMINISTRATIVE OFFICER THE DON DUNSTAN FOUNDATION

(Ref: 3091)

Development Office

Salary HEO4 \$30,736 - \$33,808

Further information for this fixed-term position may be obtained from the Foundation office, telephone: 8303 6247.

## PERSONAL ASSISTANT

(Ref: 2371)

Law School

Salary HEO 4: \$30,736 - \$33,808

Further information for this continuing position may be obtained from Barbara McCullagh, telephone: 8303 5818.

## STUDENT INFORMATION OFFICERS

(Ref: 6865/6867) (2 Positions)

Student Information Office

Student Administration Branch

Salary HEO4: \$30,736 - \$33,808

Further information for these continuing positions may be obtained from the coordinator of the Student Information Office, Ms Sam Jacob, telephone: 8303 4201.

## RESEARCH SUPPORT AND ADMINISTRATION OFFICER

(Ref: 4697)

Research Branch

Salary HEO 3: \$26,725 - \$30,467

Further information for this continuing position may be obtained from Coleen Roddam, telephone: 8303 5137 or email <[coleen.roddam@adelaide.edu.au](mailto:coleen.roddam@adelaide.edu.au)>.

## TECHNICAL ASSISTANT

(Ref: 3062)

Department of Agronomy and Farming Systems

Roseworthy Campus

Salary HEO3: \$26,725 - \$30,467

Further information for this fixed-term position may be obtained from the Departmental Manager, David Mathew, telephone: 8303 7876.

## DATABASE ASSISTANT

(Ref: 4791)

South Australian Tertiary Admissions Centre (SATAC)

Salary HEO3: \$26,725 - \$30,467

Further information for this fixed-term position may be obtained from Diane McInnes, telephone: 8224 4023 or the SATAC Office, telephone: 8224 4000.

# GENERAL NOTICES

## Interested in Bringing About World Peace? AUSTRALASIAN MODEL UNITED

### NATIONS CONFERENCE 1999 is for you!

During the July holidays, the week spanning the 12th to 16th, students from all around Australasia will be debating the issues of nuclear proliferation on the Indian Sub-Continent, resolving issues of aggression associated with nuclear weapons build up, questioning the status of Jerusalem under the Oslo Peace Accords, managing global economic and social stability after the Asian economic crisis, and providing the Advisory Opinion as requested by the Security Council, on the rights and responsibilities of Yugoslavia (Serbia Montenegro) towards ethnic Albanians in relation to the action against ethnic Albanians in Kosovo. This is to name but a few of the agenda items.

AMUNC 99 is a five day simulation by conference delegates of ten bodies of the United Nations: the Security Council, the International Court of Justice, the Economic and Social Council, the Commission on Human Rights, the United Nations Environment Program, the Commission on Sustainable Development, the Commission for Social Development, the Sub-Commission on Prevention of Discrimination and Protection of Minorities, the Commission on the Status of Women, and the World Health Organisation. Delegates to the conference select from these bodies one on which they will sit and participate, by playing the role of a member state. For this purpose, background papers on agenda items are forwarded to each delegate prior to the opening of the conference, so that all the work left for delegates to do before the conference begins involves researching and being prepared to faithfully pursue their member state's position on agenda items.

As well as modelling the actual United Nations (and thus experiencing first hand the hurdles and highlights inherent in its procedure) the conference boasts a diverse range of guest speakers, fabulous social events, and perhaps most importantly, the opportunity to meet with (and, in their capacity as member states, inevitably to argue with!) students from all round Australasia from a range of academic disciplines.

The generous support of our major sponsor, the Sydney University Union, as well as our premier sponsors, Blake Dawson Waldron, Nortel Networks and Williams, Hatchman and Kean, and our other sponsor Sydney University Law Society has allowed this year's conference organisers to come further towards reaching the conference goals of cultural diversity, tolerance, and raising awareness of human rights. Over one week, we may not be able to achieve world peace, but we can sure give it our best shot!

If you are interested in finding out more, or attending this year's AMUNC, please telephone the conference organisers on 9351 0295, email us on <[amunc99@law.usyd.edu.au](mailto:amunc99@law.usyd.edu.au)>, or visit our website: <<http://www.law.usyd.edu.au/~amunc>>.

Louise Buckingham and Catherine Chang  
University of Sydney

## Social Phobia Research Study

Are you bothered by excessive shyness, timidity, fear of embarrassment of speaking in front of people? Do you often fear rejection? Do these fears cause you to avoid relationships or activities? Are they distressing to you?

Do you have problems with any of the following:

- Are easily hurt by criticism
- Few close friends outside of your family
- Unwilling to get involved with people unless certain of being liked
- Avoid social or occupational activities that involve significant contact with others, especially strangers or people in authority
- Avoid social situations because of a fear of saying something inappropriate or foolish, or being unable to answer a question
- Fear of being embarrassed by blushing, crying, shaking or appearing anxious in front of people
- Exaggerate the possible difficulties, dangers or risks involved in doing something outside your normal routine

We are seeking individuals to participate in a study. To register your interest or for further information, call Dr Nick Potts at the Queen Elizabeth Hospital on 8222 7062.

## EMPLOYMENT INFORMATION

### NOTICE TO APPLICANTS:

Applicants for all positions should retain the relevant reference number and watch the "Notice to Applicants" column in the *Adelaidean* for advice about the filling of the position.

The University notifies applicants that the following vacancies for Higher Education Officers (HEO) with the reference numbers as stated have been filled and thanks them for their interest: 2898 HEO5, Medicine; 4104 HEO6, Information Technology Services.

### HUMAN RESOURCES DEADLINES FOR ADELAIDEAN

For the *Adelaidean* of 26 July, advertising paper work must be to Human Resources by 9 July.  
For the *Adelaidean* of 9 August, advertising paper work must be to Human Resources by 23 July.

## Dental treatment for staff and students

Emergency and routine treatment is available at the University's Colgate Australian Clinical Dental Research Centre. Concessions are available for holders of University Cards. Set fee first appointments. For appointments ring - 8303 3436. Address: 2nd Floor, Adelaide Dental Hospital, Frome Road, Adelaide 5000 (next to Medical School)

## Australian Chemical Trauma Alliance Inc

The Australian Chemical Trauma Alliance (ACTA) will be holding its 1999 conference at the University of New England, Armidale NSW on the 13, 14, 15 August. The focus of this conference will be the effects of chemical exposure on children. This will encompass the behavioural, psychological, physical, genetic, educational, legal and social aspects and will address environmental disorders.

The guest speakers will include the esteemed Dr Gunnar Heuser who runs a specialist clinic in California, USA. Dr Heuser has been assistant Professor of Medicine at the University of California, Los Angeles School of Medicine since 1970. The conference will be opened by the Hon Mrs Pat Dixon and will be chaired by Dr Archie Kalokerinos MB BS.

The **Sunday Expo** will be an information day where all support groups of environmental illness and/or children's disorders will be invited to present table displays and, where possible, presentations including discussions with the public. There is no charge.

Enquiries: Tracy Brown, President/ National Coordinator, The Australian Chemical Trauma Alliance Inc., Tel & fax: (02) 6772 0066. Email: <acespade@northnet.com.au> or visit our web site at: <<http://www.ozemail.com.au/~actall>>.



Women's Professional Development Network

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

The WPDN runs monthly lunchtime forums on a wide range of topics. For further details, visit our web site at: <<http://www.adelaide.edu.au/wpdn>> or contact Lee Jones (email <[lee.jones@adelaide.edu.au](mailto:lee.jones@adelaide.edu.au)>, tel 8303 3277).

## Have you been caught in the Web?

Ever searched the Internet or University Intranet for a particular document or piece of information and found yourself six levels deep and completely lost? Well, the newly updated Human Resources website, address <<http://www.adelaide.edu.au/HR/>> should relieve some of your anxiety.

The Human Resources website has been redeveloped to compress many of the layers and provide a clearer passage for the viewer. The "home page" now offers major headings to select from, with the majority of them taking you through to the "site map" listing a breakdown of contents for each major heading. All other options on the "home page" are direct links. This provides a more obvious and clear path when looking for specific documents, information or just browsing.

All forms, documents and information stored on the site are the most current and should be downloaded as required to ensure you are accessing the latest version. Below is a selection of the information available on the site:

- the current Human Resources Policies and Procedures
- various forms and guidelines
- classification and salary details
- review planing guidelines and forms
- new staff orientation information
- staff development available
- work place assistance programs and contacts
- current advertised positions

If you would like further assistance, information or to provide feedback about the Human Resources website please contact Marelle Hodgkinson, email: <[marelle.smith@adelaide.edu.au](mailto:marelle.smith@adelaide.edu.au)>.

## Research Branch Update

### ARC SMALL GRANTS SCHEME 2000

Applications are invited for initial funding under the ARC Small Grants Scheme for 2000. This scheme aims to support, on a competitive basis, high quality research projects and pilot research projects of modest cost conducted by researchers of proven excellence; and to support new researchers who show clear evidence of high research capacity.

All disciplines are supported except clinical medicine and dentistry.

The minimum grant size is \$5,000; and the maximum is \$20,000 in Mathematics, Theoretical Physics and Humanities and Social Sciences and \$30,000 in all other disciplines.

The Application Form, the University's guidelines and other information are available on the Research Branch web site at: <<http://www.adelaide.edu.au/RB/formlist.html>>.

Prospective applicants should note that **the closing date for applications is Monday 16 August and that LATE APPLICATIONS WILL NOT BE ACCEPTED.**

### ARE YOU REGISTERED

- to automatically receive regular updates about research funding opportunities in your areas of interest
- so that details of your interests and expertise are available to potential sponsors, collaborators or industry partners?

If not, contact the Research Branch on extension 35137 for information about how you can register on the SMARTS/GENIUS system, or access the SPIN/SMARTS/GENIUS website through the Research Branch homepage.

Research Branch web site: <<http://www.adelaide.edu.au/RB/>>

### AUSTRALIAN INSTITUTE OF PHYSICS (SA BRANCH)

## Free Public Lecture

Wormholes, War Drive, and Negative Energy is the title of the lecture to be presented by Professor Larry H Ford (Department of Physics, Tufts University, Medford, Massachusetts, USA) on Wednesday 14 July at 7.30pm in the Union Hall, University of Adelaide.

Web site: <<http://www.physics.adelaide.edu.au/aip-sa/>>

## University crests

The University crests are now available at: <<http://www.adelaide.edu.au/crests/>>. The crests are available to staff in colour and black and white for both PC and Mac users. Contact the Media, Marketing & Publications Unit, 8303 5174, if you require advice about proper use of the logotype.

## MEDIA RELEASE

### Electronic postcards boost University profile

The University of Adelaide has the potential to dramatically increase its profile, both nationally and internationally, with the click of a computer mouse.

In what is believed to be an Australian first, the Adelaide Convention and Tourism Authority (ACTA) has provided a series of colourful postcards on its website. The address is <<http://www.visit.adelaide.on.net/cards/>>.

The postcards page includes nine cards, featuring unmistakably South Australian scenes, and one of each South Australian University.

The postcards can be sent to one person at a time or a group of up to 500 people.

ACTA's Business Development Manager Universities, Lyndal Sterenberg, says the ability to send so many postcards at once provides an effective tool for conference promotions, updates and delegate boosting.

"ACTA and the State's Universities work very closely and successfully together, through the University Project, to bring convention business to South Australia."

"More than a third of the State's convention business comes from the University sector so ACTA is keen to provide easy and innovative ways for academics and University staff to increase their ability to generate and secure major conferences."

Ms Sterenberg says that "In addition to being unique, sending a postcard via the Internet is a much cheaper and quicker way of making contact than posting a letter or making a telephone call.

"It also adds a personal touch but, importantly, it

means that every person who sends a postcard is playing a valuable role in promoting South Australia and encouraging people to visit our State."

ACTA's University Project was established in 1995 to help Universities bring their associated conferences to Adelaide. Since then, it has generated \$42.7 million of confirmed conference business. The University of Adelaide alone has won \$1,436,850 in conference business since July 1998 to the present day and is awaiting a decision of \$9,581,000 worth of business.

The University has bid for conferences which include the areas of medicine, mechanics, ecology, environment and architecture.

"Not only do conferences boost the State's economy but the spin offs for Universities are many and varied," says Ms Sterenberg.

"They provide an excellent opportunity to promote Universities' research capabilities and expertise to industry, Government and the community. They also enable individual staff to build professional profiles in international circles, fill needs in their areas of study and develop their profession.

"The University of Adelaide has done a terrific job in the past four years, proving that our partnership has been worthwhile for the University, ACTA and South Australians generally," Ms Sterenberg says.

"It reinforces what can be attained when different organisations are motivated to work closely together to achieve a common goal."

ENQUIRIES: Lyndal Sterenberg  
8212 4794

## LUMINIS SNAPSHOTS

Luminis Pty Ltd is the Commercialization Company for the University of Adelaide. Established in the early 1980s, Luminis' core business activities are the management of:

- Intellectual Property
- Consulting Services
- Contract Research

Watch this space in forthcoming editions of the *Adelaidean* where we will report on:

- Successful negotiations with The Playford Centre for financial support to develop new IT products in two of our recently spawned businesses.
- An exciting "exhibition" project by the School of Architecture and Urban Design.
- More developments in reproductive medicine.
- A series of "Capability Seminars" where we introduce Commercial organisations to specific skills and services available from within the University of Adelaide.
- An interesting scientific instrument where we have arranged for a group from the SA Enterprise Workshop to prepare a business plan.

Any enquiries to Luminis about commercialisation activities can be directed to Business Development Managers, Paul Szuster or Andrew Cecil on 8303 5020.

# RESEARCH AND SCHOLARSHIPS

## AND OTHER FUNDING SCHEMES

### Research Grants and Fellowships

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

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

**French Embassy - Year 2000 French Government Scientific Fellowship:** Internal closing date: 8 July 1999. U8/99

#### Gastroenterological Society of Australia

- Astra Pharmaceuticals/GESA Career Development Award
- Astra Pharmaceuticals/GESA Grant-in-Aid for Overseas Study
- Abbott Australasia/GESA Travel Award
- Roche Products/GESA Travel Award
- Pharmacia & Upjohn/GESA Senior Travel Award

Internal closing date: 9 July 1999. U11/99

**SIDS AUSTRALIA - National SIDS Council of Australia: 1999 National SIDS Council's Grants-in-aid and Postdoctoral Fellowships:** Internal Closing Date: 9 July 1999. U10/99. Web Site: <<http://www.sidsaustralia.org.au>>.

**Commonwealth Scientific & Industrial Research Organisation (CSIRO): 1999 CSIRO Medals for Research Achievement:** Closing date: 16 July 1999. U9/99

**New South Wales Police Service: Policing Research Grants - Sir Maurice Byers Fellowships:** The internal closing date has now been extended until 16 July 1999. U9/99

**National Heart, Lung, and Blood Institute (NHLBI), USA: Research Grants for the Development of Mouse Phenotypic Screens for Heart, Lung, and Blood Diseases and Sleep Disorders:** Internal closing dates: Letter of Intent: 19 July 1999; Application: 1 September 1999. U8/99

**Apex Council of Australia - Apex Foundation Trust for Autism: 2000 Apex Trust for Autism Grant:** Internal closing date: 23 July 1999. U10/99

**Apex Foundation for Research into Intellectual Disability Limited - Research Grants:** Internal closing date: 23 July 1999. U9/99

**Australian Academy of the Humanities - Publication Subsidies:** Internal closing date: 23 July 1999. U3/99. Web site: <<http://www.asap.unimelb.edu.au/aah/>>.

**Australian Academy of the Humanities/Academy of the Social Sciences in Aust / Vietnam National Centre for the Social Sciences and Humanities - Overseas Program: Vietnam:** Internal closing date: 23 July 1999. U3/99

**Australian Academy of Science - Margaret Middleton Fund: Award for Research on the Conservation of Endangered Native Animals:** Internal closing date: 23 July 1999. U10/99

**Australian National University / Royal Society of London / NHMRC: Howard Florey Fellowships tenable in the United Kingdom and Australia:** Internal closing date: 23 July 1999. U8/99. Web site: <<http://jcsmr.anu.edu.au/florey>>.

**BHP - Community Trust & Community Support Programs:** Internal closing dates: 23 July and 25 October 1999. U10/99. Web site: <<http://www.bhp.com.au/>>.

**Health and Aged Care; Commonwealth Department of National Illicit Drug Strategy Community Partnerships Initiative - Second Round Funding:** Internal Closing date: 23 July 1999. U10/99. Web site: <<http://www.health.gov.au/pubhlth/strateg/drugs/illicit/nids/cpi.htm>>.

**Karitane Research Grants for Child, Adolescent and Family Health Issues:** Internal Closing date: 23 July 1999. U10/99

**Land and Water Resources Research & Development Corporation: Research & Development Proposals and Travel Fellowships for 2000 - 2001:** Internal closing date: 23 July 1999. U11/99. Web site: <<http://www.lwrrdc.gov.au>> (under General Call Research)

**National Health and Medical Research Council - Training Awards for 2000: (Australian Clinical Research Postdoctoral Fellowships, Australian Part-Time Research Fellowships, CJ Martin Fellowships, Howard Florey Centenary Fellowship, INSERM Exchange Fellowships, Neil Hamilton Fairley Fellowships, Peter Doherty Fellowships, Public Health Postdoctoral Fellowship (Australia), Sidney Sax Fellowships).** Internal closing date: 23 July 1999. Web site: <<http://www.health.gov.au/nhmrc>>. (Proceed then to "Research Program" and then "Training Awards")

**Reg Waite Award for Young Australian Achievers:** Internal closing date: 23 July 1999. U11/99

**Retina Australia - Retina Australia Research Grants 2000:** Internal closing date: 23 July 1999. U9/99

**JH & JD Gunn Medical Research Foundation: Research Grants:** Internal closing date: 24 July 1999. U9/99

**Australian Academy of Science / Australian Research Council / Japan Society for the Promotion of Science - JSPS Postdoctoral Fellowships in Japan 2000-2001** Internal closing date: 26 July 1999. U8/99

**Australian Academy of Science / Science and Technology Agency - STA Postdoctoral Fellowships in Japan 2000-2001**

- Japanese Government Research Awards for Foreign Specialists 2000-2001
- Short-Term Fellowships in Japan 2000-2001

Internal closing date: 26 July 1999. U8/99. Web site: <<http://www.science.org.au/internat/exchange/japfel.htm>>.

**Ian Potter Foundation and Ian Potter Cultural Trust - Grants:** Internal closing dates: 26 July & 25 October 1999. U2/99

**Educational Commission for Foreign Medical Graduates - ECFMG International Fellowships in Medical Education:** Internal closing date: 30 July 1999

**Juvenile Diabetes Foundation Australia - 1999 Travel Grants for Young Researchers:** Internal closing dates: 5 August and 4 November 1999 and 3 February 2000. U7/99

**National Health and Medical Research Council - Travelling Award for Research Training:** (This award is aimed at current holders of Australian based

Fellowships): Internal closing date: 6 August 1999. U10/99. Web site: <<http://www.health.gov.au/nhmrc>> (Proceed then to "Research Program" and then "Training Awards")

**Australian Academy of the Humanities / Royal Netherlands Academy of Arts and Sciences / Academy of the Social Sciences in Australia: Overseas Program - Netherlands:** Internal closing date: 6 August 1999. U3/99

#### Australian Rotary Health Research Fund

- Mental Illness Research Grants
- Mental Illness Research - Arhrf Ian Scott Fellowship
- First Aid, Pre-Hospital Treatment and Emergency Care Research

Internal closing date: 6 August 1999. U10/99 Web site: <<http://www.rotarnet.com.au>>.

**Sudden Infant Death Research Foundation Inc. - Research Grants:** Internal closing date: 9 August 1999. U23/98

**Human Frontier Science Program - Research Grants and Long Term Fellowships:** Internal closing date: 18 August 1999. U10/99. Web site: <<http://www.hfsp.org>>.

**Garnett Passe and Rodney Williams Memorial Foundation Award for 2000: Research Training Fellowships in Otorhinolaryngology:** Internal closing date: 20 August 1999. U10/99

**Motor Neurone Disease Research Institute of Australia Inc.: Grants-in-Aid for Research into Motor Neurone Disease:** Internal closing date: 20 August 1999. U9/99. Web site: <<http://www.vicnet.net.au/~mndri/>>.

### Scholarships

Unless otherwise stated, information and application forms for the following scholarships are available from the Registrar, Scholarships, or the Scholarships Officer, Graduate Studies and Scholarships Branch, Level 7, Wills Building, ext 35697/33044. Please lodge all applications with the Scholarships Office unless otherwise stated.

**AFUW-ACT Bursary:** Free board and lodging for up to four weeks at Ursula College, ANU to a woman graduate or final year honours student who wishes to carry out some short project, in any field, that necessitates a short stay in Canberra. Closing: 31 July (Canberra)

**Australian Kidney Foundation Biomedical Research Scholarships and Summer Vacation Scholarships:** Biomedical Research Scholarships are open to Australian applicants enrolled in a PhD or MD at an Australian university. Vacation scholarships are open to undergraduates currently enrolled in the Faculty of Medicine or other faculties offering courses in the biological sciences. Applicants should have completed, or expect to complete, at least one full year of their course by the scholarships commencement. Closing: 8 September - Vacation Scholarships; 23 June - Biomedical Scholarships (Scholarships Section)

**Charles and June Ross International Fellowship:** Open to women scientists (natural and physical sciences) who are Australian citizens and have graduated from an Australian university. The Fellowship is tenable for one year in the USA to a full-time graduate or postgraduate to undertake study or research. Applications available from AAUW Educational Foundation, Fellowships and Grants, North Dodge Street, Dept 141, PO Box 4030, Iowa City,

Iowa 52243-4030 USA, fax: (319) 337 2201, tel: (319) 337 1716 ext 141. Closing: 15 December (USA)

**Japanese Government Research Awards for Foreign Specialists, Science Awards 2000-2001:** Open to Australian citizens or permanent residents wishing to undertake research for up to six months in Japanese government national laboratories. Applicants must have been engaged in scientific or technological research for more than three years after obtaining a university degree in the field related to their proposed Japanese study. Forms available via internet: <[http://www/science.org.au/internat/exchange/japfel.htm](http://www.science.org.au/internat/exchange/japfel.htm)>. Closing: 2 August (Canberra)

**Merrill Lynch Forum:** Grants will be awarded to PhD students who best explain the commercial application of their dissertation topic. Applications via the Forum's Web Site: <[www.ml.com/innovation/](http://www.ml.com/innovation/)>. Closing: 15 September (USA)

**Multiple Sclerosis Australia - Postgraduate Research and Summer Vacation Scholarships:** Postgraduate scholarships open to registered medical graduates or appropriately qualified science graduates or health professionals. Vacation scholarships intended for currently enrolled undergraduates completing three or four years of a full-time course leading to an honours degree in medicine, health science or science. Applications for vacation scholarships may be sent directly to the funding body by 31 August 1999. Closing: 23 August - Postgraduate Scholarships (Scholarships)

**National Heart Foundation Postgraduate and Vacation Scholarships:** Postgraduate scholarships, non-medical, for full-time research leading to a PhD at an Australian university. Vacation Scholarships provide opportunities to participate in research projects which are broadly related to the cardiovascular function. Closing: 8 September - Vacation Scholarships; 25 October - Non-medical (Scholarships)

**NH & MRC Postgraduate Scholarships:** Applications are now invited for Medical/Dental Postgraduate Scholarships, Dora Lush (Biomedical) Postgraduate Scholarships, Public Health Postgraduate Research Scholarships, Training Scholarships for Aboriginal Health (includes undergraduate). Kits available on request. Closing: 6 August (Scholarships)

**Research Abroad Scholarships:** Open to full-time higher degree research students who have completed their structured program; part-time students not in employment; Lecturers Level A. Students who have previously held a Research Abroad Scholarship are ineligible. Applicants must be able to show that travel overseas is essential for the pursuit of his/her postgraduate work. Closing: 31 July (Scholarships)

**Sir Edward 'Weary' Dunlop Asian Fellowships:** Open to Australian citizens to undertake individually devised projects in an Asian country, in such fields as social service, local community development, peace-keeping, public health/welfare, technology, environment/resource management, arts/culture, sport. Closing: 30 August (Victoria)

**Sir Robert Menzies Scholarship in Law:** Tenable for two years in the UK commencing October 2000. Value: return air fare, substantial emoluments which are not subject to UK income tax. Academic excellence is of primary importance. Applicants should be those aiming to attain prominence in Australia as demonstrated by their record of leadership, extra-curricular activities and interest in the service of others. Closing: 23 August (Scholarships)