

## Doctorate heralds new Nursing era

Senior nurses from around Australia and overseas are being drawn to the University of Adelaide to undertake its new professional doctorate — the Doctor of Nursing.

The DNurs, being offered this year by the Department of Clinical Nursing, is the first of its kind for South Australia and one of only three nationwide. It is also the University of Adelaide's first-ever professional doctorate.

A professional doctorate is equivalent to a PhD but is designed to have a larger coursework component and a strong emphasis on workplace-related research. This makes it ideal for professionals, such as senior nurses, who wish to expand their level of knowledge and training and apply that to the workplace.

"There are many nurses in senior positions who want to become more involved in decision taking, policy making and leadership in the healthcare area," said course coordinator Dr Sally Borbasi.

"They may not want to do a formal PhD, which gears you up for a career in academia and doesn't really develop the skills needed in the workplace.

"Traditionally when you do a PhD you're very knowledgeable about the one particular area that you've researched. But the professional doctorate is designed to provide nurses with a wider base of knowledge and skills, which can then be used in their place of work," she said.

Dr Borbasi said there was a rising need in the healthcare industry for senior nurses to undertake a professional doctorate.

"There's a feeling that, especially in areas such as nursing, which is undergoing rapid change, students who undertake the traditional PhD are not adequately prepared to adapt to a very complex workplace. They don't have the necessary leadership and creative problem-solving skills that are deemed appropriate.

"The world has changed, and there is now a need for people who are educated at this level with this focus on the realities of practice," she said. "Additionally, this course will assist in further strengthening the relationship between professional practice and higher education."

Dr Borbasi, herself a former PhD student, said it was important to provide nurses with a choice of either a PhD or a professional doctorate.

"I wanted a career in academia, so I undertook a PhD. But if I were a senior practising nurse, certainly I'd want to do a professional doctorate," she said.

"That's the path many senior nurses want to take, and it's the path that's best suited for them."

The Doctor of Nursing is seen as a major coup by the Department of Clinical Nursing, which is the first department of the University of Adelaide to have its application for a professional doctorate approved by Council.

The DNurs was designed by department head Professor Alan Pearson, who also developed a Doctor of Nursing Science for the University of New England.

He said the professional doctorate was an important new step for nursing in Australia.

"In Nursing we have large numbers of students who do Masters degrees, and there is quite a demand for something beyond the Masters level. But the PhD isn't particularly well designed for nurses who are still playing a role in the healthcare industry.

"Industry wants researchers who can work in teams and who can do pragmatic research from a wide range of methodologies, and that's exactly what's involved in our Doctor of Nursing," he said.

The University of Adelaide's professional doctorate also has links with universities in New Zealand, Tasmania, New South Wales and Queensland, allowing students from those States to complete the doctorate's field work component in their home area.

"We've already had many enquiries about the course, mainly from people who are in higher, senior positions in the nursing profession throughout Australia and New Zealand," Dr Borbasi said.

"We're thrilled that the course has been approved and will be up and running this year, and the level of interest shows that the nursing industry is excited about it too," she said.

The Doctor of Nursing is a full fee-paying course and is open to nurses who have qualified for a Masters degree or an Honours degree and who have at least seven years' nursing experience.

• Applications close on 15 February. For more information phone (08) 8303 3638.

—David Ellis



Research in the workplace is one of the many features of the new Doctor of Nursing. Photo courtesy of Clinical Nursing.

## Focus on GP education in youth suicide project

A new national program hopes to reduce the youth suicide rate in Australia by better educating GPs about suicide prevention.

Called "Keep Yourself Alive", the program encourages GPs to recognise the warning signs shown by young people at risk of suicide — to help them deal more effectively with their problems before it's too late — and is assisting GPs in caring for families affected by suicide.

With funding from the Commonwealth Department of Health and Family Services, the project team is made up of Dr Graham Martin and Ms Jeanne Lorraine, from the Child and Adolescent Mental Health Service (CAMHS) at Flinders Medical Centre, Dr Sheila Clark, from the University of Adelaide's Department of General Practice, and Dr Paul Beckinsale, from the Royal Australian College of General Practitioners (SA).

The University's Radio 5UV is also heavily involved in the project.

The team plans to hold workshops and produce a multimedia pack including videos, audio tapes and printed material, which will become a training resource for more than 3000 Australian GPs, increasing their awareness of the mental and emotional health of young people and the methods by which they can be helped.

Australia's suicide rate is higher than that of the United States, with more than 2000 Australians dying every year from suicide. In South Australia the figure is about 200 deaths each year.

The rate of suicide among young Australians is about 16 per 100,000, making it one of the leading causes of death in young people.

"We know from studies we've done that about 10% of young people have attempted suicide at some stage in their lives, and that's a serious worry," said the head of the "Keep Yourself Alive" project, Dr Graham Martin.

"Many of these young people are surviving their suicide attempts purely by chance, and may not ever be admitted to hospital. But what we're finding is that if you've attempted once, the chances of a second attempt at suicide greatly increase, and there's also a much higher chance of succeeding.

"If we could find young people who are expressing their pain by attempting suicide, find out what their problems are and assist them to work through those and not see suicidal behaviour as an option, then we might be able to make a difference to the ultimate suicide rate," he said.

Dr Martin said GPs had a major role to play in this.

"There is pretty good evidence from all around the world which suggests that people reach out for help in the months prior to a suicide. So in the two or three months prior to attempting or completing suicide, somewhere between 60% and 80% of people reach out to a health professional, which is usually their GP," he said.

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## Higher Education Financing and Policy Revue

There is something quite farcical about the start of the Government's Review of Higher Education Financing and Policy. The Chairman, Roderick West, with his startling comments, will doubtless lend himself marvellously to the sort of skits that characterise undergraduate revues. Despite all the tut-tutting about the Chair of such an important Review making such firmly opinionated statements in the press, it is interesting that some of the big issues have surfaced early in the debate and have been given significant press coverage. If nothing else the Review will certainly provide entertainment; and given that some of these big issues have emerged it might actually lead to some challenging discussion. To me one of the most interesting things is the debate on the role of a modern Australian university. My predecessor has been quoted extensively as emphasising the role of universities in providing a sound education and by implication down-playing the role of universities in preparing people for the work force. Others have come out and emphasised the need for Australia's universities to provide people who are "useful".

I am very pleased this debate has occurred because I think one of the important things that the Review has to tackle early on is indeed the role of universities. However, I myself believe it is something of a non-debate. As I argued at length last year in various places, the universities are all about knowledge — whether it be providing the knowledge foundations for a particular discipline or passing on knowledge as embodied and compiled in the skills that are needed by certain professions, or the discovery of new knowledge through research activity, or the reshaping and repackaging of knowledge and the reinterpretation of knowledge that is the very essence of good scholarship.

It seems to me that if Australia is to be a knowledge-intensive society it needs universities. Universities provide both a good education and also that advanced "training" that is associated with the preparation of people for the modern professions. Of course, in the press I have gone further and argued that there should be a careful look at what universities contribute to the social and economic fabric of the country.

All in all I think the Review is going to be wonderful fun. However if we really do tackle the questions it will also be deadly serious.

MARY O'KANE

## GUEST COMMENTARY

### To market, to market: can we learn from the US?

by  
**Dr Tim Doyle**  
Environmental Studies

Recently, I wrote a small piece for the NTEU *Advocate* discussing some of my impressions after teaching and researching in the United States for a year<sup>1</sup>. In short, I argued that there were immense problems of access in the system; that grade inflation was rife; that quality of education was diminishing; and that corruption was of epidemic proportions. Some of my colleagues in the United States were quite upset by my criticisms of the US higher education system. One American colleague, quite rightly, levelled similar criticisms at the Australian system. Of course, the privatisation of education is not endemic to the United States; it's just that the North Americans are quite good at it, having honed this style of educational system over a far greater period of time. Often critiques of economic rationalism and radical libertarianism are poorly intermeshed with anti-American sentiments. This is not my purpose here, though I find that I must include some anecdotal evidence from my brief, direct experience of the US system, as so many Australians are obsessed with the notion that therein lies our future.

It's not very fashionable to question radical libertarianism and its associated free market economics at the moment. Australians, often marionettes in global politics, are currently governed by a strange mixture of moral conservatism (where morality does exist) and economic libertarianism.

All that needs to be done, according to our radical libertarian friends, is to further globalise market places, and to 'unfetter' them of the pesky constraints of governments. The 'environment' (an area of obvious interest to me) is an excellent example of this approach. Once a liberal democratic state was valued to monitor the excesses of an anti-social minority (such as poor and irresponsible business practices). More recently the radical libertarian approach dictates that such government 'interference' is actually degrading to the environment, and that 'good' business is also 'good' for the environment. Consequently the national Environmental Protection Authority (EPA) has been gutted; and the South Australian EPA has changed its focus from monitoring industrial excesses to actually helping business jump through the regulatory hoops.

In this view, liberal democratic society is dead. There are no grounds within this ideology for public health care; support for the homeless and the underprivileged; provision of non-profit inspired international aid; or protection of the environment for purposes other than 'best practice management'. Of course, within this vision, there is no goal of free public education at any level. Society is now portrayed as an amalgam of individuals, each one 'rationally' pursuing his or her needs in the market place. All are consumers and providers. The University, like other parts of society, has not escaped severe attacks from these ideologues. When it defends its right to educate in some way which is not regarded as appropriate by the government of the day — or in a manner which will not produce vocational results by next Monday — it is slighted as being elitist and conservative. But the University, under radical libertarianism and economic irrationalism, merely shifts its basis for elitism. Money now buys all, including the life of the mind, however mediocre it has become.

All of the public losses are justified by arguments of private gains. Within the University (now also exclusively a market place) there is the assumption that once students (now consumers) are paying more for their courses, the quality of these courses must improve. The consumers will demand it! This, of course, is the Gavin Moodie line, so regularly articulated in *The Australian*<sup>2</sup>. Without sufficient empirical evidence I can just as easily support a contrary myth falling outside of the radical libertarians' rubric. From my limited experience in the US, I would argue that the standard of student performance is actually lowered. Of course, there are still gifted students in the fees-for-education system; but the mean is lower. The students have bought their way into the system, and know damned well that it will be nigh impossible to be thrown out of it. Usually, the short of it is that the consumer actually expects less of him/herself; rather than more from the provider.

Another impression emerging from this experience relates to grade inflation: it is rife in fees-for-education systems. Most students expect at least a 'B' in many universities in the United States. A 'B' average is necessary to get into good graduate schools (which is the meal ticket). The grade 'B', by the way, is normally over 80 per cent! It is a very bad for a student to get less than this. 80 per cent is really a pass. With an operational assessment range of only 20 per cent in the US, I did as others told me they did: I constructed an intricate scheme which included B double minuses and A double pluses. It took much time and effort. But when I was greeted with the final computer printout of the official grades none of these subtle nuances and interpretations appeared!

This trend of grade inflation is very much echoed in Australia. With the invention of the High Distinction (HD) at Adelaide University, for example, graduate students of mine seeking a PhD scholarship have to receive 85% or higher for their minor dissertation to be reasonably sure of attaining a scholarship. Only a year ago, a distinction grade was enough. This is not an increase in competition based on an increase in quality; it is simply grade inflation. Obviously this trend is even more salient when coupled with the dramatic decline in admissions standards.

There are also positive lessons to be learned from the US full fee paying experience. With the privatisation of education in Australia there is a tendency to turn all courses into short and medium term money-spinners. Environmental departments like the Mawson Graduate Centre for Environmental Studies are increasingly under pressure to become more conservative, more 'management oriented' thereby becoming more attractive to corporate sponsorship. There is no doubt that we need better environmental managers; but not all environmental issues are efficiency and effectiveness issues. Sometimes environmental resolutions directly confront the 'best practices' of business-as-usual, seeing the globalisation of the free markets, for example, as a key cause of environmental degradation. In the United States, the really good environmental studies departments are surviving, not by becoming more practically oriented and instrumentally focused; but by maintaining their critical and innovative stances. They maintain their difference; they do not begin to look like everyone else. Surely, in the language of the free-marketeers, this difference, when tied with quality, is just as easily argued as being more marketable!

Genuinely looking to the future, outside of the debilitating jargon of the economic rationalists' 'strategic plans' is a rare thing in Universities at the moment. It becomes doubly rare when joined by the necessity of many academics to first look what's coming up behind them. But my teaching and research experience in the United States helped gel and confirm certain future personal academic stances, perhaps, in part, due to the hard-edged clarity between the haves and the have-nots, the winners and losers, in that system. For example, I declared to myself that I would begin each lecture and seminar series explaining that I did not exclusively see myself as a provider; nor did I consider my students as consumers. I saw our task as more sacred. You see, I believe in wisdom which is sometimes acquired by people over a certain age (now called redundancy). I prefer to refer to myself as a teacher and researcher, and to my students as people wanting to learn and to contribute. I find that my students, also, whether here or in the US, prefer it that way.

1 Doyle, T.J., (1996) 'User pays more than we know: The US higher education system,' NTEU *Advocate*, vol. 3, nos 5 and 6: 16.

2 See Moodie, G. 'Higher Education Supplement,' *The Australian*, 21/8/96.

Timothy Doyle is Senior Lecturer in the Mawson Graduate Centre for Environmental Studies. In 1996 he returned from a year in the United States. For the first six months he was Visiting Associate Professor of Government at Clark University, Massachusetts, and for the last half of his stay he was Visiting Professor of Environmental Studies, University of Montana.



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# Smooth-running enrolments as Uni gears for 1997 intake

Enrolment fever has hit the University of Adelaide for another year, and this time it's been relatively stress free for many of the students involved.

While most enrolments were held between 23 and 31 January, a trial change to the system meant that students re-enrolling in Law, Dentistry and Arts were able to do so prior to Christmas, helping to avoid some of the lengthy queues and frustration that have occurred in previous years.

Students taking advantage of the re-enrolment trial have given it their overwhelming support, and future re-enrolments for all faculties are expected to be held before Christmas.

Fees were also payable through BankSA branches this year, further streamlining the enrolment queues.

The second round of enrolments will be held on St Valentine's Day, Friday, 14 February.

Meanwhile, despite the substantially reduced numbers of applicants for tertiary places in South Australia this year, courses in several areas at the University of Adelaide saw an increase in demand.

The University's information technology courses led the way — the Bachelor of Engineering (Information Technology & Telecommunications), BE (Computing Systems), BE (Electrical & Electronic) and the Bachelor of Computer Science were all in demand with higher cut-offs this year. New engineering courses, including combined degrees with Science and Arts, also attracted strong support.



Students taking part in enrolment '97. Photo: David Ellis

The Bachelor of Design Studies, which leads students into the Architecture degree, business-oriented courses, including the newly introduced Bachelor of Finance and the combined Bachelor of Economics/Bachelor of Finance, and the Commerce degree were also very popular.

Vice-Chancellor Professor Mary O'Kane said it was pleasing to note that the national concern about reduced student interest in science and engineering courses was not reflected at the University of Adelaide.

"As well, the strong interest shown in information technology courses is an important and encouraging development for South Australia, where there's a real demand for highly skilled graduates in this field," she said.

Larger than usual numbers of late applications for places have been received this year, and a limited number of second round offers is being made in some courses.

—David Ellis and Patricia Cree

## Academic Board and Council to consider Penington report

A draft report of Professor David Penington's review of the University of Adelaide's management and administrative structures will be considered at a meeting of the Academic Board on 12 February.

The University Council will also consider the draft report at its meeting on 14 February.

The Convenor of the Academic Board, Professor Doug McEachern, said the meeting would be one of the most important gatherings of the Academic Board.

"The issues are important for the design of the institution and its ability to manage itself and face the challenges of the changing environment for tertiary education," he said.

Any comments or inquiries about the draft report should be directed to the Vice-Chancellor, Professor Mary O'Kane, or to Rex Hanney on 35668.

Professor O'Kane expects to receive the final report by the end of February.

The Vice-Chancellor commissioned the review last year to look into the role and functions of the University's senior managers, and to assess the University's decision-making and administrative structures and their capacity to contribute to the achievement of the University's mission.

## Boost for blue-green algal toxins research

Professor Ian Falconer, who has just completed five years as Deputy Vice-Chancellor (Academic), is leaving administration for full-time research from the end of this month.

Professor Falconer, a recognised world authority on the toxins of blue-green algae, will lead a major project funded by the Cooperative Research Centre for Water Quality and Treatment to investigate the effects on cancer growth of algal toxins in drinking water.

Other research includes the toxicity of a tropical alga linked with outbreaks of illness in Queensland.

As a result of his pioneering research, and the importance worldwide of these toxins in drinking water supplies, Professor Falconer will join a World Health Organisation task-force in Berlin in April on the revision of guidelines for drinking water quality.

He has also been invited by the International Water Supply Association to join its task force on algal metabolites in Prague in

May, and will also address a number of international conferences on aspects of his research.

In Australia, Professor Falconer is a member of the National Working Group of the Agricultural and Resources Ministerial Council of Australia and New Zealand, which is currently preparing guidelines for cyanobacteria and cyanobacterial toxins in recreational and drinking waters.

The Vice-Chancellor, Professor Mary O'Kane said she was delighted by the international interest in Professor Falconer's research.

Pending the outcome of the Penington Review of Management and Administration, Professor O'Kane has asked the Convenor of the Academic Board, Professor Doug McEachern, to take responsibility for Academic Policy, Departmental Reviews and the Advisory Centre for University Education.

The Registrar, Mr Frank O'Neill, will be responsible for Academic and Student Administration matters.

## The News IN BRIEF

### ENGINEERING AWARDS

The Vice-Chancellor, Professor Mary O'Kane, and the Head of Engineering and Mathematical Sciences, Professor John Agnew, have been made Honorary Fellows of the Institution of Engineers, Australia.

The award recognises conspicuous service to engineering and is the highest membership grade the Institution bestows.

Professor Agnew has also recently been invited to be a member of the Advisory Committee of the UNESCO-supported International Centre for Engineering Education.

### TEACHING BODY APPOINTMENT

Associate Professor Caryl Cresswell from Mechanical Engineering has been appointed to the Federal Government's new Committee for University Teaching and Staff Development (CUTSD).

Dr Cresswell was previously a member of the Committee for the Advancement of University Teaching, which has been replaced by the new body.

The purpose of CUTSD is to improve teaching and administration in universities, and advise the Government on policy, grant allocations and best practice.

### TEACHING GRANTS

Two University of Adelaide staff were among winners of National Teaching Development Grants announced by the new Committee for University Teaching and Staff Development late last year.

Pathology's Dr Ted Cleary was awarded \$98,528 for a two-year project on the development and testing of computer assisted learning with student directed problem-based learning.

In Chemistry, Dr Geoffrey Crisp received \$42,843 to develop a model for teaching of occupational health and safety and risk management within the science curriculum. Dr Crisp also has an internal 1996 Teaching Development Grant in the same area.

### GEOCHEMISTRY MEDAL

Dr David McKirdy from the Geology & Geophysics Department has won the 1996 Australian Organic Geochemistry Medal.

The medal is awarded for major achievements over an extended period in the field of organic geochemistry, and recognises pioneering investigations carried out in Australia that have contributed to our knowledge of the origin and fate of organic matter in the geosphere.

Dr McKirdy's contributions span more than 25 years and include internationally recognised work on Precambrian geology and organic geochemistry, applications of organic geochemistry to basin analysis and petroleum exploration, and studies of oil in the marine environment.

### WAITE OPEN DAY

"Science for agriculture on display" is the theme of an Open Day to be held at the Waite Research Precinct on 25 February.

The event, coordinated by the Advisory Board of Agriculture, is aimed at members of the South Australian Agriculture Bureau movement. It brings together the various research departments of SARDI, the University of Adelaide, Field Crop Improvement Centre, CSIRO, the Centre for Horticultural Crop Improvement, and several Cooperative Research Centres located at the Waite Precinct.

## Visitors

**L**eading gastroenterologist **Professor Andréas Smout** — a world authority in oesophageal and stomach function from University Hospital, Utrecht, The Netherlands — has taken up a Visiting Senior Research Fellowship at the University of Adelaide.

Professor Smout will be based in the University's Department of Medicine at the Royal Adelaide Hospital during his six-week stay. There is a longstanding research collaboration between members of the Department of Medicine and Gastrointestinal Medicine at the RAH and the Departments of Gastroenterology and Surgery of University Hospital Utrecht. Professor Smout's fellowship is named after Professor WJ Dodds who had a major influence on gastroenterological research in Adelaide.

Professor Smout will deliver a public lecture this week at the Royal Adelaide Hospital entitled "The clinical relevance of oesophageal function testing".

Disordered oesophageal function occurs frequently — about 25% of people experience heartburn, which is due to the reflux of acidic gastric contents into the oesophagus. Professor Smout will discuss the tests which can be used to diagnose disordered oesophageal function and assess the response to therapy.

Professor Smout will deliver his lecture in the Robson Lecture Theatre at the RAH on Tuesday, February 11 at 12.30 pm.

**I**n the Centre for British Studies, **Professor David Cressy** will be a Visiting Fellow from 19 February until 23 March.

A graduate of the University of Cambridge, where he worked in the Cambridge Group for the History of Population and Social Structure, Professor Cressy teaches early modern British history at the Long Beach campus of the California State University in Los Angeles. Well known for his work in the field of early modern British social and cultural history, David Cressy's recent books include *Bonfires and Bells: National Memory and the Protestant Calendar in Elizabethan and Stuart England*, and *Birth, Marriage and Death: Ritual, Religion and the Life Cycle in Tudor and Stuart England*.

Professor Cressy will deliver an illustrated paper, "The Adamites in the English Revolution" at a History Department seminar in Napier Room 420 on Monday 10 March at 1.10pm. He will also give a lecture on "Rites of Passage and the Sacrament of Baptism in Early Modern England" to the Centre for British Studies on Thursday 20 March at 5.00pm in the Ira Raymond Room, Barr Smith Library. All interested are welcome to attend both presentations.

# Understanding the 'world of work'

South Australian schools will benefit from a new educational package aimed at increasing students' awareness of the "world of work".

The Schools, Education and World of Work Project, based at the University of Adelaide's Centre for Labour Studies, has developed a series of publications for use in schools from Reception to Year 12.

These will be available in all South Australian schools, assisting students in understanding the nature of the world of work, the transition from school to work, their rights and responsibilities, and issues of occupational health and safety.

"The project was designed to meet a need felt strongly by all parties involved in industrial relations and vocational education," said Dr Greg O'Leary, senior lecturer with the Centre for Labour Studies.

"Many students leave school and enter the work force without adequate understanding of the legal, social and industrial environment they're entering. The consequences for all concerned have been widely recognised as detrimental," he said.

The project has been generated and administered by the Industrial Relations Education Committee (IREC), which brings together officials from all parties with an interest in this area.

They include the Federal Department of Employment, Education, Training and Youth Affairs, the South Australian Department of Industrial



Project officer Chris Duncan, IREC Chair Greg O'Leary, Chris White from the UTLC and Steven Blight from the Department of Education and Child Services at the launch of the "world of work" publications. Photo: David Ellis

Affairs, the Department of Education and Child Services, WorkCover, the Engineering Employers Association, the South Australian Employers' Chamber of Commerce and Industry, the United Trades and Labour Council, and the Centre for Labour Studies.

Initially set up in 1991 to run for only 15 months, the project attracted such interest (and more than \$400,000 in funding) that it continued for five years, producing resource materials that have been trialled throughout the

State in primary and secondary schools and have been sought nationwide.

Dr O'Leary, who is also the Chair of IREC, said a major achievement of the project was the close collaboration between all parties involved, ensuring that the resources produced met their needs and the needs of students.

He said the publications were expected to be upgraded regularly, keeping pace with changes in industrial relations legislation.

## SIDS, drugs and the biological clock

University of Adelaide researchers are exploring the effects of drugs commonly used by pregnant women on the development of the biological clock.

A malfunctioning biological clock may be a factor in Sudden Infant Death Syndrome (SIDS), because of the clock's key role in regulating sleep, temperature and hormonal rhythms.

Current theories about the causes of SIDS include disturbances to the baby's sleep organisation and temperature control — factors under the control of the biological clock.

Dr David Kennaway, in the Department of Obstetrics and Gynaecology, has won an Australian Research Council Large Grant to study the functional effects of three drugs administered during pregnancy on the biological clocks of animals.

Two of the drugs — nicotine and caffeine — are used by many pregnant and breast-feeding women but both have been implicated in adverse changes in the developing foetus. The third drug to be studied by Dr Kennaway is cocaine, which is a major problem in pregnancy in the United States.

Dr Kennaway's major research interest is Circadian Rhythms — those biological rhythms which recur on a roughly 24-hour basis. The rhythms include sleeping patterns, hormonal release and temperature cycles.

"The timing of your sleep isn't just dependent on whether you're tired or not: there is a drive from your brain which tells you when to sleep," Dr Kennaway said.

In a previous study, Dr Kennaway found that premature babies had a

delayed development of biological rhythms, which usually develop at nine to 12 weeks of age.

"SIDS babies invariably die during the night, during their sleep, so some people have suggested there is a disorder in the parts of the brain controlling sleep and arousal from sleep," he said.

"It is also intriguing that the peak incidence of SIDS coincides with the expected time of maturation of babies' rhythms.

"All kinds of rhythms are important for the well-being of the baby. There is a possibility that the rhythms in children who are at risk of SIDS develop out of synchrony with each other. We want to know if the drugs we have targeted contribute to the lack of synchrony."

—David Washington

## Cole Prizes: outstanding teachers recognised

Four academics have been rewarded for their outstanding teaching efforts at the University of Adelaide, winning the 1996 Stephen Cole the Elder Prize for Excellence in Teaching.

The \$2000 cash awards recognise exceptional contributions by lecturers and course supervisors. The money for the annual prize, which has been running since 1991, was bequeathed to the University of Adelaide by a descendant of Stephen Cole the Elder, who was a South Australian colonist.

Winners are nominated by their colleagues and students in a detailed submission to a selection committee.

The 1996 winners are:

**Dr David Christophel** (Botany),

who has been with the department since 1973. Dr Christophel is currently responsible for managing and assuring the quality of Botany's teaching program.

He was nominated by two of his colleagues, both of whom credit him with inspiring their own teaching efforts.

**Mr David Hester** (Classics) is credited with the design of the Classics course more than 20 years ago.

Dedicated to his work, Mr Hester makes himself readily available to students and, as one colleague described it, "greet[s] the approach of the teaching year with joy and excitement".

**Dr Neville Hicks** (Public Health) has been at the forefront of course

development in Community Medicine since 1976 and established one of Australia's first ever "Medicine in the Community" courses.

Dr Hicks has been widely acknowledged by staff and postgraduate students for his excellence in teaching and supervision.

**Dr Shoko Yoneyama** (Asian Studies) has proven herself to be a versatile teacher, as shown by her teaching of Japanese at various levels, as well as developing and conducting a course in Japanese society. She is described as an outstanding lecturer who is always open to students' opinions, cultural perspectives and diversity of backgrounds.

—David Ellis

# 'Hot plants' prove a scientific stunner

Two University of Adelaide scientists have stunned the science world with the discovery that some plants, like animals, can warm and regulate their body's temperature — at least for a while.

The two researchers found that sacred lotus plants growing in the Adelaide Botanic Gardens warmed their blooms during flowering, then kept them at a steady temperature for several days.

Zoology Associate Professor Roger Seymour and his postdoctoral assistant Paul Schultze-Motel made the front cover of one of the world's most prestigious science journals, *Nature*, with their discovery.

Although Dr Seymour has discovered heating and temperature control in plants before, the lotus discovery is important because the plant is a dicotyledon (or dicot), while all previously discovered heat-regulating plants have been monocotyledons (monocots).

Most familiar, broad-leafed plants with branching leaf veins are dicots, while grasses, conifers and similar straight-veined plants are monocots. In 1972 Dr Seymour discovered that arum lilies and some other monocots could warm their flowers and regulate their temperature.

But the discovery of the same ability in some dicots means the warming and temperature-regulation feature must have evolved at least twice in plants — once in each branch of the plant world.

In their *Nature* paper, the two scientists speculate that the plants may

heat their flowers to provide a warm boudoir for copulating beetles.

Pollen-carrying beetles, which pollinate lotus flowers, climb in and are trapped overnight inside the flower, where they copulate before leaving next day — having spread the pollen with their amorous activities.

Dr Seymour said the warm environs of the flower chamber offered a 'reward' to foraging beetles, in the same way that sweet nectar was a reward for pollinating bees.

The researchers took careful temperature readings of 19 Botanic Gardens lotus flowers, which bloom for between two and four days each.

Although air temperature varied between 10 and 20 degrees Celsius, they found that the flowers held a constant temperature of between 30 and 35 degrees Celsius. This warm steady temperature began when the flower-head formed, and was held while the flower was receptive to pollination.

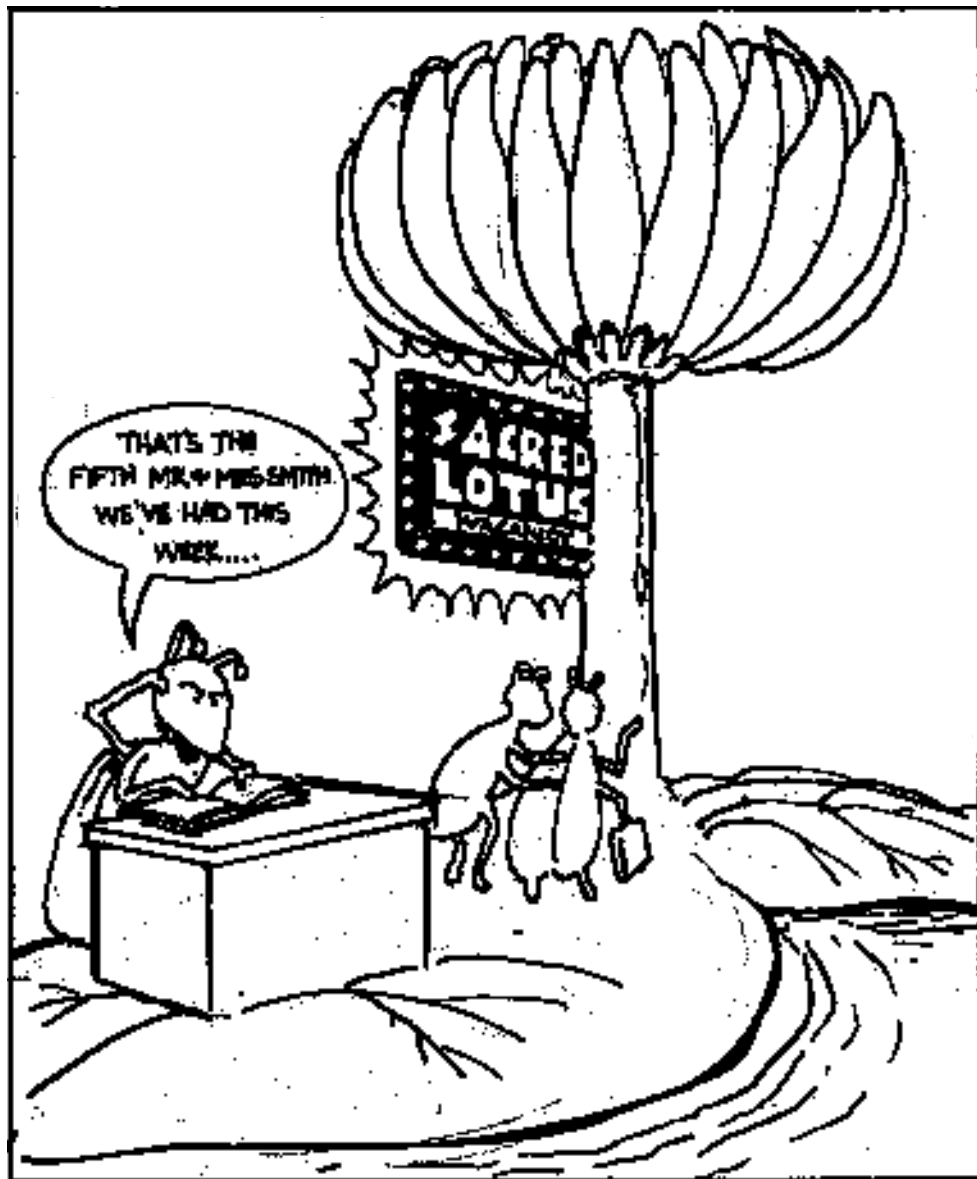
Dr Seymour said his area of interest was interactions between plants and animals, and the surprising similarity of many plants to animals.

For example, he said the sacred lotus could 'breathe', actively pumping gases into the air. And, like many plants, its flowers and leaves could also track the movement of the sun through sky.

"It moves; it breathes; it regulates its body temperature," he said. "It does a lot of animal-type things."

"But I wouldn't go as far as to say that it feels."

—David Mussared



Cartoon: Baden Smith

## Focus on GP education in youth suicide project

From Page 1

"They don't necessarily go there and say 'I feel really bad doc, because I want to die'. But they go to the GP as if he or she might somehow magically guess that they're troubled and ask the right questions.

"That suggests to us that the GP is a valuable resource. If they can recognise the signs and the seriousness of the problem, they may be able to do something about it."

Dr Sheila Clark, an expert in bereavement, said GPs were also at the "front line" in dealing with the aftermath of suicide.

"Very often the GP is the only health professional around after a suicide to assist the grieving family, particularly in rural communities," she said.

"The fact that there's a much higher suicide rate in the country areas means that GPs in those areas need to be even more aware of the issues involved, and I think that the workshops, the videos and audio tapes being produced by this project will be very helpful to those GPs, who don't usually have the same resources available to them that people in the cities have.

"I think this program can make quite a difference, not only in suicide prevention but also in helping GPs deal with the tragedy of suicide," Dr Clark said.

University Radio 5UV has played an important role in the "Keep Yourself Alive" project, producing 16 12-minute audio cassettes involving interviews with experts in the field and people whose family members have actually committed suicide.

These cassettes will be distributed to GPs throughout Australia and will form the basis of two national radio programs dealing with the issue of youth suicide prevention.

5UV executive producer Mr Tony Ryan said he was pleased that the radio station could lend its services to the project.

"This is a fine example of 5UV's growing role in continuing professional education, adding to our role in producing quality national educational radio programs," he said.

The two "Keep Yourself Alive" radio programs will be broadcast on 5UV (531 on the AM dial) at 2.00pm on Saturday, 22 and 29 March.

The project itself and the multimedia package will be launched in March to coincide with the 19th Congress of the International Association for Suicide Prevention, being held in Adelaide.

• For more information about "Keep Yourself Alive" phone project officer Jeanne Lorraine Martin on (08) 8204 4212.

—David Ellis

## Urrbrae House costume exhibition

The newly-established National Textile Museum of Australia at Urrbrae House, Waite Campus is featuring an exhibition of Palestinian Costume until Sunday 2 March.

Curated by Jeni Allenby, Portraits without Names: Palestinian Costume includes striking 19th and 20th century costumes on loan from the Tareq Rajab Museum in Kuwait — lucky survivors of the Gulf War.

The traditional costumes of the Near and Middle East show a great variety of styles and intricate techniques of weaving and embroidery. Palestine's location at the crossroads of major trade routes is reflected in the fabrics used: rich Damascus silks, fine Egyptian linen, pure Lebanese cotton, even Chinese silks along with locally

woven and dyed fabrics.

Many of the costumes have been chosen to represent regions from which Australian Palestinians originally came, with loans of mid to late 20th century material acquired from private collectors and members of the Palestinian communities through Australia.

The exhibition shows how traditional costume adapted to political and economic change post-1948, and includes discussion of the loss of regional styles, the establishment of the refugee aid program styles and the 1980s revival of nationalism through costume.

• For further information contact Maureen Holbrook or Mary Jose on 8303 6728, fax 8303 7110.

## SA Water prizes presented

Three students from the University of Adelaide have been presented with Sir Thomas Playford Awards, recognising their excellent academic achievements in Engineering and Economics & Commerce.

The \$2000 prizes were sponsored by SA Water. A total of eight students were chosen from areas of study that reflect the changing role of the water industry.

Prize winners included students from the University of South Australia, Flinders University and the Regency Institute of TAFE.

Winners from the University of Adelaide were:

- Julianne Martin (Engineering)
- Seth Munday (Engineering)
- Nicholas Howarth (Economics & Commerce)

The awards were presented at a ceremony at the University of Adelaide in December. The ceremony was a culmination of the many events which marked the Sir Thomas Playford Centenary Celebrations last year.

—David Ellis

## Oil industry scholars 'strike it rich'

Ten students from as far afield as the Ukraine have been awarded almost \$40,000 in industry-funded scholarships, enabling them to study Honours at the National Centre for Petroleum Geology and Geophysics (NCPGG) at the University of Adelaide.

The National Centre is involved in exciting new developments in oil and gas exploration in South Australia and has an international reputation for educational excellence in petroleum geology and geophysics.

Students at the Centre come from around the world, including Canada, the United States, China, Germany, Indonesia, Iran, Jordan, Malaysia, Malta, Pakistan, and the United Kingdom.

Established in 1985 as a Key Centre for petroleum research, the NCPGG is a joint venture between the University of Adelaide and the University of South Australia and is based at the University of Adelaide's Thebarton Campus.

Since 1991 the Centre has been a partner in the Australian Petroleum Cooperative Research Centre, working closely with industry and other research interests for the scientific and economic benefit of the nation.

"Working with the petroleum exploration industry on research tasks throughout Australia, the NCPGG is an important regional and national asset," said the Centre's Acting Director, Professor Cedric Griffiths, "attracting interstate and international students and developing the expertise to secure the future supply of vital national and global resources.

"We're pleased to report that our graduates have a 96% employment success rate thanks to the strong links we've developed with industry partners, including Woodside, BHP, Santos, Boral, Shell, Esso, and other oil companies."

On Monday, 3 February, the NCPGG welcomed its 10 new Honours scholarship winners with a special reception at the Thebarton Campus.

The scholarships include:

- two Geoscience Scholarships of \$7000 each, funded by Woodside Offshore Petroleum and Esso Australia
- seven Industrial Scholarships of \$3000 each, funded by industry partners
- three University of Adelaide Outreach Scholarships of \$2000 each, funded by the University of Adelaide for graduates transferring to the University.

Some students were awarded more than one scholarship, giving them extra help in earning qualifications of high international regard.

The students' study will involve field trips to the Flinders Ranges to see drilling rigs in action, industrial experience placements, and petroleum industry-related research projects sponsored by both industry and government partners.

—Ian Roberts  
—David Ellis

## 'Slice-of-life' wins accolades at young filmmakers' awards

A 20-minute documentary produced by a University of Adelaide PhD student has been awarded two major prizes at the South Australian Young Filmmakers' Awards.

*Striking Poses* is a slice-of-life documentary about 10 Adelaide girls, all from different socio-economic and ethnic backgrounds.

The girls, aged about 15 when filming began, were given a video camera to record their lives over the course of a year. At age 18, and with the help of a professional editor, they selected one minute each out of almost 40 hours of footage to sum up who they were. In the documentary, these one-minute segments about the girls' lives are then followed by their reflective comments about making the film.

*Striking Poses* was shown in December last year at the SA Young Filmmakers' Awards, where it received Best Documentary and Best Editing.

"I'm really happy with the way people have responded to it," said the documentary's producer, Anthropology PhD student Ms Gerry Bloustien.

The idea for the documentary came out of the research for her PhD thesis, which looks at image, representation and gender.

Ms Bloustien, also a lecturer in Communications at the University of South Australia, said *Striking Poses* had a unique quality not shared by many other slice-of-life documentaries.

"The difference about this one is that the girls were given complete control, which I think is very important. They could decide what they were going to film in the first place, and then they were given the choice of what they were going to edit out for public consumption," Ms Bloustien said.

The girls — Molly Kendall, Nat Giffney, Joeline Rankine, Mia Handshin, Tara Sanders, Nikki Calvert, Rebecca Perkin, Tracey Dixon, Rebeccah Mango and Aija Fitzgerald — sometimes used the video camera as a confessional or a diary as well as recording their day-to-day lives.

The final footage reflects the com-



*Shine* director Scott Hicks (left) congratulates some of the "Striking Poses" team and producer Gerry Bloustien (centre front) holding the award for Best Documentary.

plexity of their lives, touching on issues ranging from family, friends, pets and clothes, to sex, drugs, school, music, unemployment and multiculturalism.

"I was amazed at some of the things they wanted to film," said Ms Bloustien, "things that I thought would be too private, that they wouldn't want to be seen. But they had the ultimate control over what was used and what was left out — it was entirely their decision.

"The editing allowed them to be creative and selective about who they were and how they wanted to see themselves portrayed. So what we get from that is a very interesting insight into how the girls see themselves, how they create themselves and their image, and the role that popular culture and mass media play in that process."

She said another important aspect of *Striking Poses* was the different backgrounds of each of the girls. One girl was from Papua New Guinea, another was Aboriginal, there were girls from middle-class backgrounds and others from very working-class backgrounds.

"It's quite interesting to see the

similarities and the differences in how they view their lives and the kinds of narratives they tell," Ms Bloustien said.

"People have told me that the film is quite moving, because obviously they've seen aspects of themselves in these young women, and I've also been told that it's too short — which means they felt teased by it, they wanted more. I think that's definitely a good sign."

Making the documentary was also a positive experience for the girls involved. Some of them were amazed at how much they had changed over the years, and all were happy to have had the chance to record that time in their lives. As one of the girls, Molly Kendall, said in the film: "It's important to know who you are and where you are in the world."

*Striking Poses* has now been selected for screening at several South Australian film festivals. The girls involved in the project have also been invited to make another film, with the assistance of television production house Network 8 Digital.

—David Ellis

## Science high achievers get added value

The University of Adelaide is giving some of South Australia's highest achieving students "extra value" in their Science courses as part of the new Science Scholars Scheme starting this year.

The 20 inaugural Science Scholars last year scored at least 19 out of 20 in three or more Science-related subjects in their Year-12 exams.

The Science Scholars Scheme is aimed at recognising and fostering the talents of these high achievers and providing them with a greater challenge during their study years at the University.

Under the program, the students will gain an insight into life as a research scientist in one of Australia's leading universities — with academic supervision and research activities above and beyond their regular course work.

Some of the benefits the Science Scholars will enjoy

include being given the chance to conduct research in some of the University's top laboratories, rather than undertaking standard lab exercises, attending research and communication seminars, and receiving degree certificate citations.

"The University of Adelaide offers all its Science students excellent facilities, courses that open doors to a wide range of career options, and access to leading researchers," said the Director of the University's Science Communication Centre, Mr Ian Roberts.

"The Science Scholars Scheme is an additional investment by the University of Adelaide in these gifted students, who represent the future of scientific endeavour in South Australia and the future of the State's economic and intellectual well being."

The inaugural group of Science Scholars was welcomed by Faculty of Science staff at a reception in the Little Theatre on 29 January.

# Waite planting a tribute to horticultural vision

A three hectare site on the University of Adelaide's Waite Campus has been named "The Laidlaw Planting" to commemorate the contribution made by Mr Don Laidlaw AO (LLB 1949) to horticulture in South Australia.

The Premier, Mr John Olsen, unveiled a plaque at a function on the Waite Campus hosted by the Playford Memorial Trust last December. The plaque is set in a one-tonne quartzite rock donated by Boral Resources (SA) Ltd.

Mr Laidlaw was the founding Chairman of the Trust from 1983 to 1995, and was instrumental in the establishment of the Playford Scholarship in Horticulture in 1987 following a successful public appeal.

The Playford Trust endows the perpetual scholarship, which is under the supervision of the Chair of Horti-

cultural Science, Professor Margaret Sedgely, and has so far funded three researchers.

A major outcome of the research of the first scholar, Dr Alison Fuss, was the development of pruning strategies for optimal bloom production of banksias for cut flower production. The second scholar, Ms Mary Reiger, successfully identified banksia populations for the selection of new cultivars for cut flower production.

Ms Kate Delaporte is the current holder of the scholarship. She is investigating the breeding, propagation and vase life of eucalypts for cut flowers and buds.

The Laidlaw Planting comprises eucalypts and acacias, and was established for current and future projects conducted by the Playford Horticulture scholars. It covers an area from Waite Road along the Cross Road bound-

ary of the campus almost to Fullarton Road.

The current Chairman of the Playford Memorial Trust, Jennifer Cashmore, said that while many of the trees were still small, the planting would be a "veritable forest" in a few years' time — "testimony to Mr Laidlaw's vision and stewardship as the prime mover in establishing the Horticulture Scholarship".

The University is expected to name the first new variety from the planting after Mr Laidlaw.

Last year the Trust also established a new scholarship in Aquaculture. The winner of this scholarship, to be announced shortly, will be supervised by Associate Professor Mike Geddes from the Zoology Department and will conduct research there and at the SARDI Aquatic Sciences Centre at West Beach.



Resting on his laurels — Mr Don Laidlaw with the plaque recognising his service to the Playford Memorial trust and to horticulture. Photo courtesy of Jenny Groom, Educational Technology Unit.

## Australia Day Honours

Eighteen alumni of the University were recognised in the Australia Day Honours List.

Appointed Officers in the General Division of the Order of Australia [AO] were **Dr Eric French** [BSc 1942 MSc 1948] for service to scientific research, particularly in veterinary microbiology and virology; the **Hon Roger Goldsworthy** [BSc 1950] for service to politics, the South Australian Parliament and the community; and the **Hon George Walters** [LLB 1936] for service to the law as a Judge of the Supreme Court of South Australia, to legal education and the community.

Members in the General Division of the Order of Australia [AM] were **Mr James Giles** [BA 1961 DipEd 1962] for service to the community as an advocate for multiculturalism in education and the arts, particularly through the Multicultural Education Coordinating Committee; **Associate Professor Rodney Jory** [BSc 1959] for service to Science Education, particularly as Executive Director of the National Youth Science Forums and through the International Science Olympiads; and **Dr Vicki Pearson** [MBBS 1973] for service to the community in alcohol and drug rehabilitation, developing programs to prevent drug related deaths and reduce HIV/AIDS.

Awarded the Medal in the General Division of the Order of Australia [OAM] were **Mrs Nina Arnott** [BA 1971] and **Mr Peter Arnott** [BE 1968] for their service to youth through Wirraway Christian Youth Centre; **Mr Ralph Arthur** [BE 1947] for service to the community through the Winston Churchill Memorial Trust and Meals on Wheels; **Mrs Mary Handley** [BMus 1952] for service to music, particularly opera in South Australia; **Dr Digby Harris** [MBBS 1952] for service to the community as an executive committee member of the Nhill and District Intellectually Handicapped Persons Welfare Association, the Coinda Day Care Centre, the Avalon Old Folks Home and the Nhill Hospital Board of Management; **Dr Charles Mattner** [MBBS 1960] for service to community medicine as a general practitioner in the Woodside and Onkaparinga districts for over 30 years; and **Mr Don Nicolson** [RDA] for service to conservation and the environment as an advocate and practitioner of landcare programs and a contributor to arid land ecology.

Also awarded the OAM were **Miss Judith Stokes** [BA 1947] for service to the Aboriginal community on Groote Eylandt as a missionary and linguist; **Dr John Thompson** [MBBS 1938] for service to Medicine and hospital administration through Port Augusta Hospital for over 35 years; and **Dr Gwen Woodroffe** [BSc 1940 MSc 1944] for service to women through the Australian Federation of University Women (ACT) and UNICEF (ACT).

The Australian Police Medal [APM] was awarded to Inspector **Bronwyn Killmier** [BA 1977] and Senior Sergeant **Richard Laslett** [RDA].

## 1997 Alumni Activities Program

The Alumni Association will launch its 1997 program at the President's Reception, on Friday 21 February, at 5.00pm, in the Gallery, Union House. The Chancellor Mr Bill Scammell, will announce the program in his capacity as President of the Alumni Association. The Chair, Dr Harry Medlin, will speak about the Association's achievements in the last twelve months and its plans for the future.

The Alumni Activities Program aims to acquaint alumni with the work done by the University and its graduates both 'at home' and in the wider community. All graduates and friends of the University are invited to take part, whether members of the Alumni Association or not. Put these dates on your calendar now!

\* 11 March 7:30am - Breakfast with the Vice-Chancellor

\* 3 April, 6:00pm - Guided tour of the old Treasury Building in Victoria Square, conducted by Mr Michael Taliangis (SA Dept of Environment & Natural Resources)

\* 4 May, 11:00am - Visit to Science Museum at Waite Campus, with a guided tour conducted by the Curator of Urrbrae House. (Bring a picnic basket for lunch in the Urrbrae House gardens afterwards!)

\* 4 June, 7:30pm - Illustrated talk by Professor Hugh Possingham (Dept of Environmental Science and Management): "Why can't we see

the biodiversity for the Koalas?"

\* 8 July, 7:00pm - Visit to Adelaide's Courts precinct, coordinated by the Courts Authority

\* 20 August, 7:00pm - "Introducing Japanese Music", with Dr Kimi Coaldrake (Dept of Music Studies)

\* 25 September, 7:30pm - Illustrated talk by Dr Carol Bacchi (Dept of Politics) - "The Politics of Affirmative Action"

\* 14 October, 6:00pm - Visit to Ngapartji Cooperative Multimedia Centre, with a guided tour and introduction to the internet

\* 2 November, 2:00pm - Visit to Roseworthy Campus, conducted by Rural Services Unit

### Annual Alumni Association events

\* President's Reception, 21 February, 5:00pm.

\* Annual General Meeting, 19 June, 8:00pm

\* Early Graduates' Afternoon Tea, 30 August, 3:00 - 4:30pm

\* Golden Jubilee Commemoration, 23 October: ceremony at 6:00pm, followed by dinner.

More information about these activities and events, and bookings may be obtained from the Alumni Office: please telephone 8303 4275 or visit 44 Kintore Avenue, Adelaide. Other specialised activities will be offered by the Association's Chapters and will be announced in future editions of the *Adelaidean*.

## The origin of life on earth (and other places)

"How did life begin?" is one of the fundamental questions that has been asked ever since humans developed enquiring minds.

On Wednesday 19 March, Professor Ian Falconer will deliver a public lecture on "The Origin of Life on Earth and Other Places" at 7:00pm in the Florey Lecture Theatre (level 1, Medical School North building).

Professor Falconer — who is a Fellow of the Australian Institute of Biology — has done extensive research on cyanobacteria, which were the

predominant life form on the early Earth some three billion years ago.

"Evidence shows that the Earth began as a hot, lifeless sphere," he said. "Biochemistry has identified the key chemical constituents of life, and the nature of their most basic interactions. Experiments which can be done in undergraduate laboratories demonstrate that the key compounds for life can be made simply from elements that were found in the Earth's early atmosphere."

Professor Falconer is also interested in the ways in which cultures worldwide have sought to explain the origins of life through religion and myth.

The lecture is sponsored by the Australian Institute of Biology, with the assistance of the Florey Medical Chapter and the Science and Mathematical Sciences Chapters. The lecture is open to the public, and group bookings are welcome. People wishing to make group bookings should ring the Alumni Office, 8303 4275.

# Hands-on summer of science

These Year-10 students got their hands well and truly "dirty" as part of last month's Siemens Science Summer School at the University of Adelaide.

They were conducting an experiment to see the spread of common bacteria from one person to another.

More than 150 students throughout South Australia took part in the Science Summer School, which provided a range of hands-on activities, such as experiments and field trips, as well as talks and careers advice for the students.

The kids were also able to rub shoulders with some of Australia's leading scientists in areas ranging from Cosmology to Physiology and Botany, including world renowned physicist Professor Paul Davies.

The Science Summer School was sponsored by Siemens Ltd and was hosted by the University's Faculty of Science and the Faculty of Engineering.



Photo: David Ellis

## 5UV News

• 5UV's Jazz Plus program will be coming live from the Fox & Hounds Bar at the Stamford Hotel for the next two Monday evenings (8.30 - 10pm, Monday 10 and 17 February). The reason for the outside broadcast is to feature the music of the Kim Purling Trio and friends who are playing a residency at the hotel. The recordings will possibly be used on part of Kim's next CD project.

• As part of the excitement of WOMAD, 5UV is putting a special event FM licence (ZAP-FM) on-air for the week of 24 February to 2 March. You can catch it on 100.5 MHz all that week. The station will feature music and news from the world of WOMAD.

• 5UV's programming will change significantly from the beginning of March. For full details contact the station for a Program Guide. You can also keep up to date with the station's programming by checking out the University's CC Mail Bulletin Board every week.

### ACCOMMODATION

**AVAILABLE:** Unit to let - walking distance to Waite Campus, 1 br, b-in robe, quiet tree-lined street, small garden, fully furn, tel, carport. \$85 pw + bond and refs required. Ph 8271 3386.

**BRIGHTON:** Opportunities exist for enthusiastic students from a variety of depts to live in a small highly creative environment. The offer is for accomm at a competitive price, with copier, fax, tv, phone, washing and parking facs. Applicants will have at least 1/2 yr uni experience and enjoy graphic design and architecture. An occupant is sought for 1-2 yrs depending on the academic development of the applicant. Confidential applications to David Moore, Moore Design, 39 Lewis St, Brighton SA 5048. Ph 8296 3601, fax 8358 2230.

**BRIGHTON:** Design business has space - period HIA listed house. 2 rooms avail. Use of courtyard, boardroom, fax, copier, phone, library, kitchen, parking, etc. \$317 per month. Ph Moore Design 8296 3601.

**DULWICH:** Wanted, non smoker to share lge, 6 rm house with owner. Close to bus route and all facs. \$100 pw + exp. Ph Peter Taylor 8303 5086 or 8364 4390.

**EASTERN SUBURBS:** Furn, family-size house, superb city views, pool, 2-car lock-up garage. Avail early March to 1 Jan 98, would suit visiting academic. Ph Victor 8281 6103.

**FORESTVILLE:** Fully furn br in furn house to share with 2 others plus small friendly dogs. Prefer non smoker, mature age, postgrad or visiting lecturer. Avail now. Ph 081 127 359 or 8297 2942 (ah)

**GILBERTON:** 2 br townhouse with carport, close to transport. Avail early March for 6 or 12 mths. \$140 pw (garden maintenance provided). Ph 8223 2366.

**GRANGE:** Esplanade - Professional woman in 40s seeks to share seafront

maisonette with female, non-smoker who enjoys the beach. \$85 pw + exp. Ph 8356 4058.

**HAZELWOOD PARK:** 2 br, fully furn house, on bus route to city. Includes linen, lge garden, sleepout, near Burnside and Linden PK schools. \$225 pw. Ph Mary Ann 8379 2715.

**HAZELWOOD PARK:** Self contained, studio type, granny flat plus study. Fully furn incl linen. Garden outlook, near bus route. \$105 pw (includes elec). Ph Mary Ann 8379 2715.

**HOUSE SITTING:** Mature, prof seeks house sitting. Ph Jill 8431 4092 (h) or 8332 4836 / ext 5786 (b).

**HYDE PARK:** 2 br townhouse, attractive, renovated, great location, off-street parking for 2 cars, courtyard garden. Avail 20 Feb. \$140 pw. Ph 8271 2127 or 8405 3448.

**KANGAROO ISLAND:** Comfortable holiday house on 100 acres, panoramic views of American River, secluded bush, 8 beds. \$60 per night. Ph 8338 2131.

**LOIRE VALLEY:** Apartment sleeps 2/5. Sep entrance above owner's 18th century antique shop in French small market town of Ligueil. Studio flat ideal for couples, lge bed sitting rm, shower rm and kitchen/ dining with sth facing balcony. Optional mezzanine has bathroom, bedroom and spare room for larger group. Fully equipped kitchen, central heating. Walk to shops, cafes, pool; drive to nearby chateaux, vineyards, tourist sights. From £180 - £330 pw. Ph John 8303 4030 for info.

**NORTH ADELAIDE:** 2 br, furn cottage. Park frontage, encl garden, close to Uni, suit visiting academic. Avail mid Feb (3-6 mths). \$200 pw + exp. Ph 8239 2505.

**NORTH ADELAIDE:** 2 storey, unfurn terrace with balcony overlooking parklands. Close to Melbourne St, transport & schools, walking distance to city & uni. 3 br, 2 1/2 bathrooms (ensuite), mod kitchen, sep laundry, din-

## Adelaidean

### CLASSIFIED

ing and lounge at ground level, brs, 2 bathrooms & family rm upstairs. B-in robes, air cond, encl courtyard, dble garage, security sys. Avail late Feb. Bond & refs required. Ph Francis 8302 3163 or 8338 1413 (ah) or email: francis.tan@unisa.edu.au

**NORTH ADELAIDE:** 1 br flat, pool, garden. \$110 pw (incl gas & elec). Ph 8267 1081.

**NOVAR GARDENS:** Responsible, non-smoking, 25+ person to share with one prof male fully furn house, close to beach, transport. \$85 pw + bond & exp. Ph Ray 8297 1600 or 8294 7726 (ah).

**OFFICE FOR RENT:** Half-time share, furn, on King William Rd, Hyde Park. Ph John 8357 9244

**SEMAPHORE:** Person wanted to share house, close to beach and transport. Avail immediately. \$75 pw + exp. Ph 8341 6559.

**STEPNEY:** Tidy, responsible, friendly person to share beautiful old house near transport, available now. \$63 pw + bond. Ph 8362 9750.

**STIRLING/CAREY GULLY:** 4 br home, 2 bathrooms, open space, very light, fully furn, in tranquil, private setting (3 acres). On bus routes. Avail for 4 mths 31 March 97. \$165 pw. Ph 8390 1457.

**STONYFELL:** 3 br, fully furn house in leafy, quiet street. Air cond, in-ground pool, bus route to city nearby. Avail March & April 97 (longer rental neg). Ph Debra 8204 7619 or email: agillesp@medicine.adelaide.edu.au

**ST PETERS:** Non-smoker to share lge villa with 3 yo people. \$144 pw + exp & bond. Ph 844 7870 or email: morris@botany.adelaide.edu.au

**VIVONNE BAY, KI:** Holiday house, beautiful beach, bush, wildlife, self-contained, architecturally-designed, sleeps 5. Ph 8388 6404.

**WANTED:** Visiting prof seeks housing. Email: Prof Laird Kirkpatrick, lkirkpat@law.uoregon.edu or fax (541) 346 1564.

**WANTED:** 4 br, lge, furn home with garden Belair area. Avail Apr - Aug. Minimal rent in exchange for good house-sitters. Ph 8370 3615 or 8378 2895 or email: hpietsch@arts.adelaide.edu.au

### FOR SALE

**CANON COPIER CARTRIDGE:** A30, new, \$100 ono. Ph 8303 4117.

**COMPLETE HOUSEHOLD:** Mitsubishi sigma station wagon, lounges, dinner table, tv, kitchenware, new microwave, cutlery, beds, wardrobes, fridge/freezer, washer, drier, garden table and chairs. Preferably in one sale; ideal for academic visitor. Ph J Erwich 8303 4093 or 8235 9401 (h), email: jerwich@medicine.adelaide.edu.au

**FLAT:** Norwood area - Very well presented 1 br with ensuite plus study, undercover parking, very secure, lge lounge, small courtyard. Close to uni, parklands and city. Neg price \$60,000 range. Ph 8373 2256 or 8274 1849 (h), email: jraftery@camtech.net.au

**FORD FALCON S:** Nov 88, auto, red, power steer, air cond, rad/cass, tinted windows, roof racks, exc cond. VVX 604. \$7,600. Ph Sam 8303 5832 or 8271 1182 (ah).

**FREEZER:** Sanyo, 150 ltr, upright, exc cond. \$150. Ph 8297 1848 (after 8pm).

**FRIDGE:** Westinghouse Silhouette 251 ltr, good cond, \$190. Ph Sam 8303 5832 or 8271 1182 (ah).

**FUTON:** King size futon with slat base. \$200 ono. Ph Jacki 8204 6328 or Greg 8204 7339.

**HOLDEN CAMIRA:** SL/X, 1986, 1.8 EFI wagon, air cond, tinted windows,

rad/cass. VNB 044. \$3,700. Ph Sam 8303 5832 or 8271 1182 (ah).

**LOUNGE:** Solid 3 seater and 2 single seaters, comfortable, \$150. Ph Jacki 8204 6328 or Greg 8204 7339.

**MATTRESS:** Queen size, 16 mths old, exc cond, near new. \$150 ono. Ph 8371 4192.

**MOVING SALE:** Sharp 14' colour TV, \$80. Goldstar VCR, \$100. Single bed, \$20. Bunk bed, as new, \$150. Baby cot, \$20. Baby prams, \$25 ea. Ph Keyu Liu 8303 4290 or 8267 1354 (h).

**NINTENDO ENTERTAINMENT SYSTEM:** With two pads, a shooting gun and 9 great games. \$140 ono. Ph 8297 1848 (after 8pm).

**PERSIAN RUG:** Magnificent 1 x 1.5m, gorgeous Kashan wagon, lounges, dinner table, tv, kitchenware, new microwave, cutlery, beds, wardrobes, fridge/freezer, washer, drier, garden table and chairs. Preferably in one sale; ideal for academic visitor. Ph J Erwich 8303 4093 or 8235 9401 (h), email: jerwich@medicine.adelaide.edu.au

**SUZUKI VITARA:** 1990 JLX 4WD hardtop, 5 speed manual, fully optioned, air cond, power steering, electric windows, metallic charcoal, excellent cond. VBM 888. \$14,800 ono. Ph Ben or Julie 8336 8000 or 8336 2057 (ah).

**TELEVISION:** Teletext colour TV, Orion, 51cm, exc cond, \$385 ono. Ph 8297 1848 (after 8pm).

**VIDEO:** Akai, remote control, one year old. \$285 ono. Ph 8297 1848 (after 8pm).

**WASHING MACHINE:** Malloys HD automatic, medium size, exc working cond, very clean. \$250. Ph 8337 0189 or email: j.wang@aitec.edu.au

### DEPARTMENTAL

**TENDER - COMMODORE EXECUTIVE:** VR wagon, 1994, maroon, VPV 925, 40,000km, auto, air cond, tow pack 1200kg. Inspection on Thursday 13 February, 2.00-4.00pm, ph Geoff Clarke, 8303 7304. Tenders in a sealed envelope marked Tender No W194 to the Purchasing Manager, Waite Campus by Monday 17 Feb 1997.

**TENDER - COMMODORE EXECUTIVE:** VR wagon, 1994, silver, VRN 042, 40,000km, auto, air cond, tow pack 1200kg. Inspection Thursday 13 February, 2.00-4.00pm, ph Geoff Clarke, 8303 7304. Tenders in a sealed envelope marked Tender No W193 to the Purchasing Manager, Waite Campus by Monday 17 February 1997.

**TENDER - FORD FESTIVA:** 1994, bright aqua, manual, air cond, power steer, immobiliser, VOC 436, 19,500km. Inspection by arrangement with Lisa Pettit, 8303 5174. Tenders in a sealed envelope to Patricia Cree, Director, Public Relations & Marketing by Monday 24 February 1997. No tender necessarily accepted.

**TENDER - FORD:** GLI EF station wagon, 1995, white, VSZ 931, 40,000km, auto, air cond, cruise control, tow pack 1600kg, cargo barrier. Inspection Tuesday 11 Feb, 9am-12noon, ph Albert DeFabro, 8303 5300. Tenders in a sealed envelope marked Tender No W196 to the Purchasing Manager, Waite by Monday 17 February 1997.

**TENDER - MAGNA EXECUTIVE:** TS wagon, 1995, metallic silver/grey, VRN 009, 46,000km, manual, air cond, tow pack 1200kg. Inspection Thursday 13 February, 2-4pm, ph Geoff Clarke, 8303 7304. Tender No W192 to the Purchasing Manager, Waite by Monday 17 February 1997.

### MISCELLANEOUS

**TEACHERS WANTED:** For part-time work in early reading play school 'phonics first' program for under 5's. Strong preference for people with uni or high school teaching experience. From 3 hours per fortnight, from \$40 ph. Ph 8270 3548.

**RESIDENT TUTOR:** Wanted in Boys' Boarding House at St Peter's College, Senior School. For further details contact Andrew Greenwood, tel 8362 1891.