

## Santos School of Petroleum Engineering a 'far-sighted investment' in industry future

THE SANTOS SCHOOL OF PETROLEUM ENGINEERING at the University of Adelaide, funded by possibly the biggest industry gift to an Australian public university, will welcome its first students in 2001.

The Prime Minister, Mr Howard, announced in Adelaide that Santos Ltd, one of Australia's biggest petroleum exploration and production companies, had decided to donate \$25 million to the University of Adelaide to fund a new School in Petroleum Engineering.

Mr Howard praised Santos for its "far-sighted investment in Australia's knowledge and skills base" and announced the Government would provide \$1 million to fund a Ross Adler Chair in Petroleum Engineering.

The Vice-Chancellor, Professor Mary O'Kane, said the sponsorship would result in "a world-class School producing world-class graduates".

"This will be the pre-eminent School for the South-East Asian region, providing a focus for development of the whole Petroleum Engineering industry.

"The establishment of a world-class School of this kind will play a major part in positioning the University of Adelaide to achieve its goal of becoming one of the world's great universities by 2022," she said.

Mr Adler, the Managing Director of Santos and a member of the University Council, said the School would benefit industry and the community.

He said the School would expand the level of expertise available to the industry in South Australia and Australia, as well as providing Australians with an opportunity to study petroleum engineering in first class facilities under the guidance of academic staff recruited internationally.

The School will offer undergraduate and postgraduate degree courses in Petroleum Engineering and is expected to become a leading world centre for petroleum engineering research, teaching and industry training.

The sponsorship will lay the foundation for the financial viability of the new School for at least 20 years, enable the construction of a new Petroleum Engineering building with state-of-the-art equipment and facilities for University staff and students, and

establish a Santos Chair of Petroleum Engineering, in addition to the Government-funded Ross Adler Chair.

Professor O'Kane said construction of the new building would be carried out as part of the Lower Level Site Redevelopment at the North Terrace campus and building was expected to begin early in 2001, with completion by early 2002.

The building would be built beside the new Engineering & Mathematics building, on part of the site of the existing Fisher building. Details of the timing and effect of this project were now being worked out.

She said there would be a new Petroleum Engineering undergraduate degree and related research training and other postgraduate awards.

To accommodate the student load in petroleum engineering there would be small reductions in loads in a range of courses, beginning in 2001 with the first-year intake and increasing over the next four years.

*...positioning the University of Adelaide...to become one of the world's great universities*

"Teaching within the degree will be undertaken by the Faculties of Science and PALACE, as well as the Faculty of Engineering, Computer & Mathematical Sciences," she said.

As part of the Santos sponsorship package, the company will provide almost \$5 million worth of scholarships to students undertaking the new Petroleum Engineering awards.

"This is a significant development for the University, recognising our expertise and reputation as a leader in higher education and research," Professor O'Kane said.

"It will complement the excellent work already done in this area by the National Centre for Petroleum Geology & Geophysics and the Department of Geology.

"It also provides us with a valuable industry link in Santos, which for the past 45 years has played a major role in South Australia's petroleum industry."

—David Washington



Vice-Chancellor Professor Mary O'Kane and Mr Ross Adler AO at the signing of the Heads of Agreement between the University and Santos. Photo: David Washington.

## Our Chandra connection



Dr Roger Brissenden in the satellite Operations Control Center.

WHEN the latest—and biggest—payload aboard the Space Shuttle Columbia blasted into orbit last month, few people realised there was a very strong Adelaide connection to the shuttle's mission.

Columbia's payload was the US \$1.5 billion Chandra X-ray Observatory, the world's most powerful X-ray telescope.

The Flight Director for the mission, and the Manager of the Chandra X-ray Center at Harvard University, is none other than University of Adelaide graduate Dr Roger Brissenden.

Dr Brissenden, the son of Dr Alan and Mrs Elizabeth Brissenden from Burnside, graduated with a Bachelor of Science (Physics) in 1985 and also holds a PhD in Astronomy from ANU.

He recently took time out of his busy schedule to speak to the *Adelaidean* about his work. For this exclusive interview, turn to page 7.



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# COMMENTARY

## THE REPUBLICAN DEBATE: PRIVATE OR PUBLIC CITIZENSHIP?

On and off for the last 150 years, Australians have been asking each other whether we should become a republic. However, the meaning of the term 'republic' has changed. In the radical nationalism of the 1880s and 1890s, republicanism was associated with aggressive anti-British nationalism, socialism and secularism. Today, in the long shadow cast by the sacking of Prime Minister Gough Whitlam, we are preoccupied with the Office of the Governor-General, "the pinhead of State", according to Mark McKenna (1996, *The Captive Republic*, p.110). Should the present debate encompass more than this?

Many delegates to the Constitutional Convention in February 1998 came with a larger agenda. Due to successful lobbying by women's groups and other community organisations, a cross-section of Australians debated our Constitution, our electoral system and, of course, 'the republic'. 20,000 people passed through the public gallery of Old Parliament House to watch the proceedings, 80,000 hits were recorded on the Convention's website and members of the Convention received hundreds of faxes, emails, phone calls and personal visits.

The wide-ranging debate at the Constitutional Convention is now narrowed to two referendum questions. Shall we have an Australian head of state appointed by politicians? Shall we have the proposed preamble largely authored by Prime Minister John Howard? While we debate the comparative merits of an appointed presidential Sir William Deane or Dame Roma Mitchell against an

elected presidential Kylie Minogue or Ray Martin, we seldom pause to consider why a majority of Australians are so distrustful of their elected representatives. Respondents in the survey commissioned by the Civics Expert Group in 1994 described parliament as "two parties yelling at each other and calling each other names"; "They can't come to a decision, they're just like children"; "It's just that you feel so useless. You have no power". Women 'especially' reported alienation from government.

As this same survey discovered, Australians are not alienated from citizenship per se, but from the definitions of citizenship found in politics textbooks and school civics classes. The three major answers to the question "What makes a good citizen?" were obey laws, care and consideration for others (e.g. help others, treat others equally, live and let live), and community involvement. Voting was mentioned by only 5% of respondents. As Eva Cox says, the small change of citizenship is enacted daily: "We pause to let a car join a line of traffic, we walk a little further across a park to put our rubbish in a bin, enjoy giving at fund-raising functions." But does this more popular, more informal, more embodied notion of citizenship find expression in the November referendum questions?

Not easily, perhaps, but neither is it impossible to talk about the referendum in terms of our daily experiences and values. Discussing the preamble allows

by  
Chilla Bulbeck  
Professor of Women's Studies  
Department of Social Inquiry

us to explore what it means to be an Australian citizen, in a new century when we can no longer pretend to be homogenous in terms of gender, class, ethnicity or culture. How can we forge a sense of connection, commitment and obligation out of our differences? How will we balance our obligations to others against our personal needs and wants? How can we listen respectfully and generously to the views of others without losing our sense of who we are and what we need? We can relate these large questions to the referendum questions by asking: what values determine how I think about these questions? Do these values allow space for the needs and visions of other Australians? Indeed, we might ask: are there more important issues than those addressed in the referendum? Should we be debating a more equal income distribution, a "civil society" as Eva Cox puts it? Or have we lost the chance for a shared sense of community in the wake of economic rationalism and its denigration and resource slashing of public goods? How many more fortunate Australians still believe they should pay extra taxes for the level of education, income, health and culture that creates a civil society for all of us?

Such conversations are not easy, given the deep divisions in Australian society exacerbated by globalisation and the demise of the welfare state. Populist politics like One Nation is a predictable response to economic insecurity and change, expressing a nostalgia for past certainties like fixed family structures

and a job for life. As Meaghan Morris suggests, "Popular debates, in which people in all walks of life talk and argue on an everyday basis about a complex shared concern, are quite rare." The debate provoked by Mabo and reconciliation, even the rise of One Nation, have provided this opportunity for Australians. The referendum can be the basis of another popular debate.

As Australians' notions of citizenship indicate, such debates come more naturally to us in pubs and voluntary clubs, in workplaces and among friends than through standing alone in a voting booth. The Department of Social Inquiry invites you to join the public debate as a delegate or observer to a 'Constitutional Convention' to be held at the University of Adelaide on Wednesday 15 September. The organisers, Ros Prosser and myself, are delighted that the Hon. Barry Jones, Deputy Chair of the Constitutional Convention in 1998, and the Hon. Greg Crafter, Chair of the University of Adelaide Alumni Association, have agreed to facilitate the two sessions.

For a registration form contact Sharon Lewis, Department of Social Inquiry, phone (08) 8303 3715 or email <Sharon.Lewis@adelaide.edu.au>. For further information contact <Chilla.Bulbeck@adelaide.edu.au>.

For most of the references discussed in this commentary, and for elaboration of some issues see: Bulbeck, Chilla (1998) "Treating Ourselves to a Republic" in Moira Gatens and Alison Mackinnon (eds) *Gender and Institutions: Welfare, Work and Citizenship*, Cambridge: Cambridge University Press.

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## FROM NEAR AND FAR

*Dean Fidock was educated at Glenelg Primary and Adelaide Technical High School, and undertook his degree in electronic engineering at the University of Adelaide in the late 1940s following war service. He worked in the telecommunications industry in Australia and in Europe until his retirement in 1988. He served on the Adelaide City Council from 1979-89, including a period as Deputy Lord Mayor. He was a member of the University Council from 1986-89.*

Fifty-two years ago, in January 1947, having only recently been released from the RAN, I began a refresher course at Adelaide University prior to embarking as an undergraduate student in the Faculty of Engineering. I was almost 22 years old, my late start due to the inevitable outcome of four years fighting the war, mostly in the Pacific. However, better late than never—as my four years in the Navy, enduring hellish conditions of promiscuous overcrowding, ghastly food, and unreasonable hours in cramped working conditions, not to mention the risk of being blown up or electrocuted, allowed me to make up my mind as to what I wanted to do with the rest of my life. Experience as a Petty Officer Radio Mechanic (Radar) pointed me toward electronic engineering, which I knew to be the Big Thing of the future. After another four years at the Uni—in conditions not dissimilar to the above—I finally was handed the precious document

which stated that I was now BE (Elec.) and armed with which I had no difficulty at all in finding a niche with Philips, at Hendon Works as a development engineer.

My engineering course at the University concentrated heavily on applied mathematics, in almost every subject, which was sometimes pretty heavy going. The mathematics turned out to be surprisingly useful in my professional life in designing telecommunications systems, especially for traffic modelling.

The course had its lighter moments. I remember Physics I, conducted by much-loved Professor Kerr Grant who, in his final lecture of the year, could be persuaded to don a magician's hat and conduct all sorts of weird demonstrations involving Tesla coils and electrostatic voltage generators in the darkened auditorium. He was great fun as a lecturer but we always went to the same lecture, delivered by someone else later in the day, to get the real stuff down.

In those days, some of the new buildings were already up, but pretty bleak, their reinforced concrete shells as then uncovered by their elegant neo-Georgian brick facades. The Union building consisted of the refectory, the colonnades, the George Murray Library and several other rooms on the upper floor used by various student bodies, including the Socialist Club, of which I was a member (and Secretary, I think), within which we plotted the overthrow



Dean Fidock in the Barr Smith Library, 1947.  
Photo courtesy of Dean Fidock.

of Capitalism in Australia and the implementation of the Dictatorship of the Proletariat. Somehow we never got there. But I digress.

Having tested my wings with Philips I managed to scrape together enough money to take passage on a Dutch merchant ship to Marseilles and travelled by train up to London, arriving there on 1 January 1955. I had a job six days later with a firm in Middlesex, working on the development of Telemetry systems for the (now defunct) British Missile system. Then one day I answered an advertisement for engineers to work for NATO in Paris and a couple of weeks later found myself, with wife and incipient first-born, in Gai Paris, where I spent most of the

next fifteen years and where my other children were born (and have now largely returned to their country of origin).

I had a great time with NATO as a senior telecommunications specialist, where I was engaged in the development, implementation and operation of several high-tech systems, including satellite communications, serving all the NATO European countries at that time. Given the state of European telephone systems in the late fifties and early sixties, NATO's defence responsibilities against Soviet nuclear attack made independent telecommunications systems fairly essential.

However, after much soul-searching, in 1973 I decided to return to Australia and after a year or so of searching around I finally joined the (then) State Transport Authority as a systems engineer. If you use public transport in the Adelaide metropolitan area you can thank (or blame) me for the ticketing system, which was ahead of its time but whose general principles have now been adopted in many public transport systems elsewhere.

I live happily in retirement here in dear old Adders, with occasional visits to my children and grandchildren overseas, one of whom, David, works as a molecular biologist with the NIH in Bethesda, Maryland, USA, and graduated from Adelaide University in 1986.

# Indonesian judges to train here

ACEL (Adelaide) [Australian Centre for Environmental Law] has tendered successfully with its Sydney branch for an AUSAID-funded project to train two groups of Indonesian judges and prosecutors in environmental law and enforcement.

The tender was submitted through SAGRIC International, a State Government consulting firm with extensive experience in AUSAID work in Indonesia. The courses are

being jointly managed by SAGRIC International and Luminis.

The first group of 24 trainees will arrive in Sydney on 15 August for a six week program and will then spend 6 weeks in Adelaide. A second group of 12 will undergo the same training in April-June 2000, again dividing their time equally between Sydney and Adelaide.

The trainees will undertake a combination of coursework,

placements and project work. Classes in Adelaide will be delivered in the Law School with input from numerous specialists in environmental law, including Judges and practising lawyers.

Further information and comment may be obtained from Associate Professor Rob Fowler, Director ACEL (Adelaide) on 8303 5883 or email: <rob.fowler@adelaide.edu.au>.

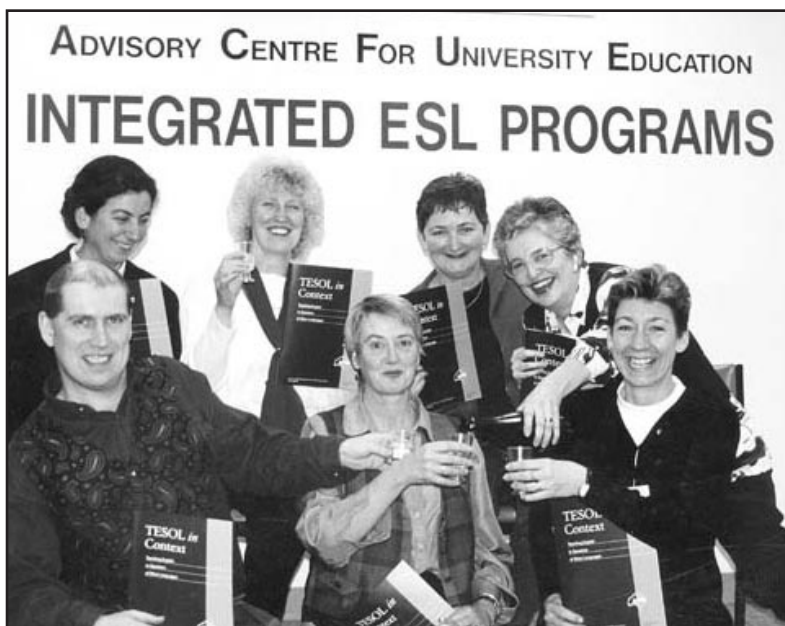
## STAFF with the University's Integrated Bridging Program (IBP) are celebrating.

The Adelaide IBP staff, under the guidance of Coordinator Ms Kate Cadman, are now responsible for producing an international refereed journal for the Australian Council of TESOL (Teaching English to Speakers of Other Languages) Associations.

The journal, called "TESOL in Context", includes articles from leading practitioners and academics in the field, reviews of current texts, and a readers' forum.

After three months of intense voluntary work by members of the IBP teaching team, the new South Australian-produced issue of the journal has now been launched. The IBP team will be responsible for the journal's twice-yearly production until the end of 2000.

For more information contact the Integrated Bridging Program on (08) 8303 3022.



Integrated Bridging Program staff celebrate TESOL in Context.  
Photo: John Drislane

## Waite 75th program gets underway

THE VICE-CHANCELLOR, Professor Mary O'Kane, and the Executive Dean of the Faculty of Agricultural and Natural Resource Sciences, Professor Malcolm Oades, will host a Captains of Industry lunch at Urrbrae House on Wednesday, 25 August.

The guests will include many distinguished leaders in the field of primary industry. The guest of honour and speaker at the lunch will be the Honourable Rob Kerin, State Minister for Primary Industries, Natural Resources and Regional Development.

The lunch is part of a program of events that will both celebrate the 75 year history of the Waite Campus and look forward to potential developments of the future.

This event will be followed in November with a Benefactors Day, on which the Waite Campus will acknowledge and celebrate the many bequests which have contributed to the outstanding developments in agricultural science at the Campus over its 75 year history. Guests at Benefactors Day will include descendants of former benefactors and current supporters of the work at the Campus. A publication will be launched to commemorate the occasion.

## CSIRO Director visit

RESEARCHERS at the University of Adelaide can greatly improve their research funding if they effectively communicate their work to the media, according to a leading science journalist.

Mr Julian Cribb, the Director of CSIRO's National Awareness program and former science writer for *The Australian*, was speaking to a group of senior academic and non-academic staff at the University's Staff Development Centre on 13 August.

Mr Cribb said there were "concrete scientific benefits" to be gained from promoting research to Australian and overseas media, and that by taking ideas "out of the laboratory and into the community", researchers could improve the awareness of their work among industry, government and community bodies both in Australia and overseas.

He also said studies had shown that "Australians are more interested in science, in medical research, in innovation and technology than they are in sport".

Meantime, the University of Adelaide's Media, Marketing & Publications Unit has produced a new pamphlet called "Making the Media Work For You".

Aimed at staff and students, the pamphlet provides simple tips on dealing with media enquiries, preparing media releases and handling media interviews.

For more information or a copy of the pamphlet, contact David Washington or David Ellis on ext 35174.

## Nobel Laureate here

Nobel Laureate Professor Peter Doherty will unveil the foundation stone for the Molecular Life Sciences Building on the lower level of the University of Adelaide's North Terrace Campus this Thursday, 26 August.



## Still through my tears I'll see

People often ask me if I enjoy my job as Vice-Chancellor. Blunter inquisitors say "It must be an awful job, how do you do it, why do you do it?". Even those who simply ask "Do you enjoy it?", do so with a look which reveals that they expect me not to enjoy it. Generally their faces show amusement, in anticipation of my answer. Academics often wonder how one could possibly give up the excitement of breaking new ground within a discipline for what are seen as the horrors, or the lower life, of management. From those outside the University, particularly those involved in the private sector, there is disbelief that anyone remotely sane would take on the complex problems of a Vice-Chancellor for the relatively low pay.

Now by-and-large I enjoy my job enormously. It would be impossible not to derive a great deal of satisfaction from being associated with a university as good as the University of Adelaide—a University with a proud history and a well-earned reputation for excellence in research and teaching. But there are moments when I too wonder about my sanity given some world-wide trends. Just as New Zealand and Australia lead the world with their time zones, so too they seem to have been leaders in restructuring the funding of higher education. There is an increasing move towards replacing public funding with support from other sources. This is not just happening here; colleagues from around the world are facing similar developments. Who would be Vice-Chancellor at such a difficult time!

The \$25 million sponsorship from Santos is a great thing in itself. But to me its symbolic value is also enormous. It is a very clear statement by a major Australian company that it values what universities have to offer and that it will support the production of graduates and of new knowledge in its own field. And it believes such world-class knowledge production and professional education can be accomplished by an Australian university. It is a great vote of confidence in the University of Adelaide, and a great vote of confidence in the City and the State. The University will have the chance to develop one of the world's best Schools of Petroleum Engineering, which in turn will help enhance its profile. For all of us in universities know that the reputations of even the great universities depend on the stellar performance of a small number of disciplines. From where I sit the Santos sponsorship confirms that at least one major corporation believes in universities, and in particular in our University. This gives me great hope for the future.

MARY O'KANE



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# New professor: 'dynamic time' for plant breeding

**SOUTH AUSTRALIAN grain growers are enlisting the expertise of the University of Adelaide to help them produce higher-yielding crops.**

The South Australian Cooperative Bulk Handling (SACBH) Board is sponsoring a five-year Chair in Plant Breeding at the University to ensure that the local industry stays competitive in world cereal markets.

The sponsorship recognises the crucial importance of research in the rapidly changing and fiercely competitive field of cereal breeding.

The grower-owned SACBH is responsible for storing, transporting, segregating and shipping most of the grain exported from South Australia.

The new Professor of Plant Breeding, Andrew Barr, said the aim of the initiative was simple.

"The SACBH wants us to help increase the volume of grain produced in South Australia.

"The initial focus is on increasing barley yields.

"In the longer term, the aim is for the University to train more good plant breeders who can help to increase the volume of other crops as well."

Professor Barr has an outstanding record of success as a cereal breeder.

He began his career in 1977 as an oat breeder in the South Australian Department of Agriculture and the South Australian Research and Development Institute (SARDI).

Over 16 years, he was principal breeder of 11 oat varieties and contributor to two barley varieties.

His oat varieties have been sown on over 80% of the total area sown to oats in SA and Victoria since 1986 and have been major contributors to a yield increase of 30%.

Since joining the University's Department of Plant Science in 1994, Professor Barr has

expanded the size and scope of the barley improvement program, building on its proud tradition and incorporating the best of new breeding technologies.

In quality terms, barley breeding is now recognised alongside the University's highly successful wheat breeding programs run by Associate Professor Gil Hollamby and Dr Tony Rathjen.

"The Department has a long and excellent tradition of plant breeding programs," Professor Barr said.

"One of the advantages we have is our collocation with State Government research bodies at Waite.

"Some other States don't have this and are now trying to achieve the kind of structures we have established.

"SARDI contributes the plant pathology, the variety-testing and some of the seed production.

"We contribute the breeding, the molecular technologies and the quality testing.

"We also have a direct link to teaching, so students are involved and that helps to boost innovation.

"We've had opportunities to form collaborations across the Department of Plant Science.

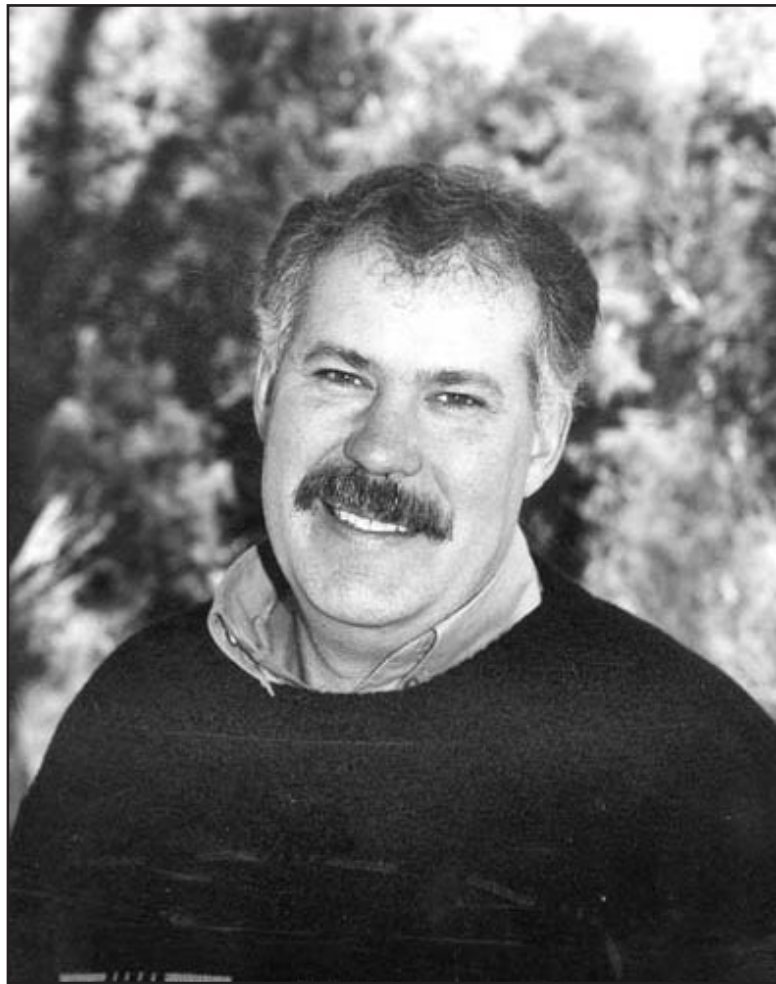
"That has fuelled innovations in molecular technologies and we've been particularly successful in translating these into breeding programs."

The University's plant-breeding reputation received a further boost recently when it was selected to host the International Barley Genetics Symposium in October next year.

The event is expected to attract 400 delegates from more than 40 countries.

"Internationally, plant breeding is going through a period of rapid change," Professor Barr said.

"The introduction of plant breeders' rights in 1987 opened the way for



*Professor Andrew Barr: combination of science and art part of the fun of plant breeding. Photo courtesy of Professor Barr.*

commercialisation and, more recently, genetic engineering has opened the way for patents.

"These two factors—and the gradual withdrawal of government funds from public sector plant breeding—have brought tremendous changes.

"A lot of people are wanting to invest because they can see ways of capitalising on intellectual property.

"This comes at a time when there is also tremendous change in the science and technology used in plant breeding. We are just beginning to see the impact of molecular biology, information technology and powerful analytical tools.

"It's a very dynamic time."

No transgenes are used in the University's current plant breeding programs, but the

debate about genetically modified crops is intensifying.

"The world grew 30 million hectares of genetically modified crops last year, much of it in the USA, Canada and China," Professor Barr said.

"The US is a big exporter of corn and soybean and has clearly made the decision that genetically modified crops are acceptable.

"China has also produced a lot of transgenic crops with very little controversy, mainly because the country has such food shortage problems.

"To me, it's disappointing that the Green movement in Europe can ignore evidence about the safety of genetically engineered foods.

"All of these foods have to be approved by regulatory systems before they're released.

"No genetically engineered field crop varieties have been released in Australia yet, but the first ones are not far off. In-Guard cotton is produced commercially.

"Our whole grains industry is based on exports and quality.

"The big concern within the industry is that if we can't produce what the markets want we're going to face serious problems.

"In the short term, Australia may gain from the export of GMO-free grain, but in the longer term, the GMO technologies will be used to change not just farmer-relevant traits like insect resistance or herbicide tolerance, but processing quality.

"For instance, canola plants in future may produce the raw materials for biodegradable plastic."

For all the technological advances, plant breeding still depends heavily on human judgement, according to Professor Barr.

"Plant breeding is an art as well as a science.

"We deal with vast numbers of varieties and genes and try to select the elite.

"Every year we sow 10 trial sites and 50,000 plots.

"In the early selection stages, a breeder's eye and understanding are very important in trying to identify lines worthy of further evaluation.

"The plant breeders in our Department have worked in South Australia for a long time, so we know the subtle nuances of weather, soil types and other environmental factors.

"We use that knowledge when deciding where to test varieties, for example.

"Science and scientific testing will tell you many things, but the final choice of site must come down to a combination of science and art.

"That's part of the fun of it."

—John Drislane

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# Meditation helps accentuate the positive

MEDITATION is being presented to University of Adelaide medical students to help them cope better with the intense pressure of study and work in the demanding health professions.

One hundred and twenty second year students were recently introduced to scientific evidence in favour of meditation and some basic meditation skills. The meditation seminars are part of a new focus on personal well-being in the compulsory second year communications and personal development course.

Medical doctors suffer the highest rates of suicide and substance abuse of all professionals, and a recent study of medical students shows that at least 10% of them suffer stress levels so high that they should seek professional treatment.

Senior lecturer and co-ordinator of the communications course, Dr Glyn Brokensha, said there was growing scientific evidence that meditation helped to ease stress, aid memory, increase empathy and boost the body's immune system.

He said students—even sceptics—had responded positively to the meditation sessions.

Dr Craig Hassed, a Senior Lecturer in the Department of Community Medicine at Monash University, presented students with the scientific evidence.

He said studies indicated that taking a holistic approach to well-being, including learning to relax and to feel connected with other people, was protective against a range of physical and emotional problems, such as cancer, heart disease and depression.

"It seems that meditation is a very important link," Dr Hassed said.

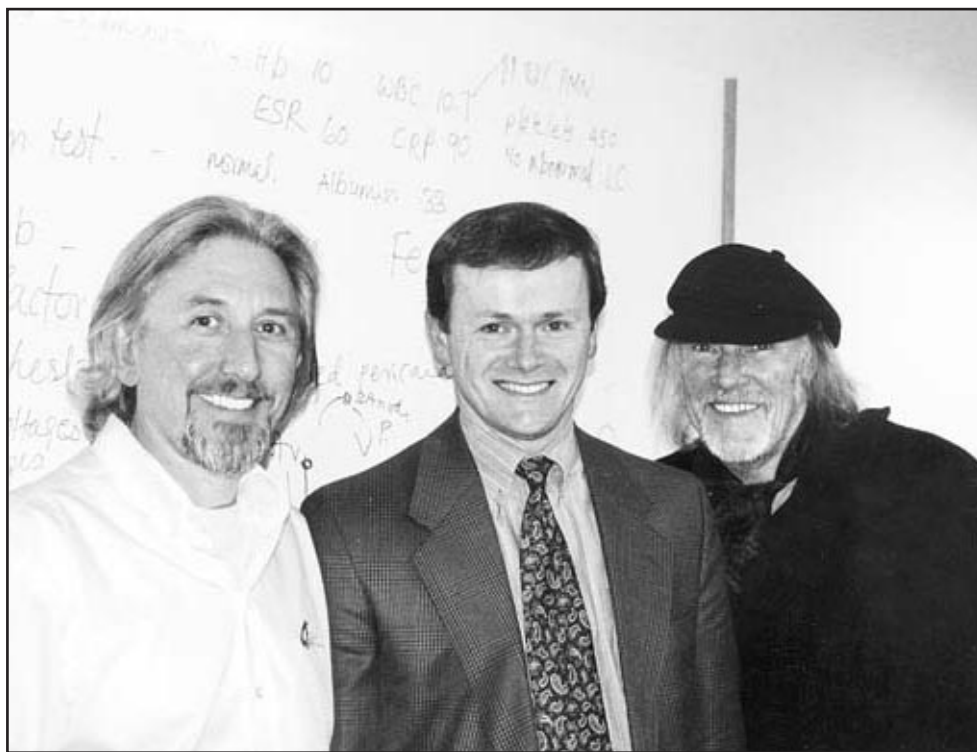
"It can teach people to be more self-aware, to not be compelled by damaging thought processes."

Meditation produces physiological effects which are different to simple relaxation. It involves a state of awareness coupled with restfulness which appears to improve clarity of mind and memory. Evidence suggests that students can benefit greatly.

"Studies that have been done looking at this sort of intervention for medical students show significant reductions in stress and depression and improvements in communication skills," Dr Hassed said.

"I tend to get a very positive response from doctors and students that I teach, because it's based on good evidence and the whole process is demystified."

Dr Hassed's presentation of the evidence was supported by a practical session run by Ray Reardon, a recently retired Deakin University academic. He is an experienced teacher of a simple meditation technique designed to combat stress and anxiety.



Left to Right: Glyn Brokensha, Craig Hassed and Ray Reardon—meditation gets positive response. Photo: David Washington

Mr Reardon advises students to rest their minds for just 10 minutes every day.

He stresses that his technique is easy and doesn't involve anything which may conflict with a student's culture or belief system.

"My way of relaxing meditation is a way of letting the mind rest from working critically," he said.

"If the mind rests, it can regather itself and keep up with daily demands."

—David Washington

## Celebrations for Multicultural Week

THE OVERSEAS STUDENTS' ASSOCIATION (OSA) is organising the last Multicultural week of the millennium! More fondly known as M'week, it will be a weeklong celebration of Adelaide's cultural diversity.

M'week is scheduled to take place on the University's Barr Smith Lawns from 24-26 August 1999. Fun-filled activities will be held from 11am-3pm daily. The celebration will consist of spectacular performances, and a wide array of ethnic food and exhibitions.

This year, the theme is "Bridging the distance". It conveys the message of the need to bring closer the understanding and relationship between people from different cultures and countries. It is our hope that M'week will present the opportunity




to increase awareness of the immense cultural richness found in Adelaide and it is our aim to create a perfect setting for people to sit back and take pride in their own origin and culture.

As Australia progresses toward its goal of Multiculturalism, we as International students will continue to be an element of the Australian cultural landscape. Multicultural week is our contribution to the place which welcomed us with warmth and kind faces. We hope to achieve the aims and objectives of M'week and to promote mutual understanding and respect.

We believe that Multicultural week will be an exciting sharing of different cultures and experiences that will bring us closer together. We look forward to your support and participation—that would be certainly make this event a tremendous success. Let us bridge the distance!

—Overseas Students Association

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**PRIMARY INDUSTRIES  
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**TECHNICAL LIAISON OFFICER**  
Pig and Poultry Production Institute (PPPI)

**Department:** SARDI Livestock Systems, Pig and Poultry Production Institute is located at the University of Adelaide's Roseworthy Campus. The Pig and Poultry Production Institute is a joint venture between the South Australian Research and Development Institute (SARDI), The University of Adelaide, Primary Industries and Resources South Australia (PIRSA), and the South Australian pig and poultry industries.

**Duties:** The Technical Liaison Officer (Pigs and Poultry) is accountable to the Research Leader, Pig and Poultry Production Institute (PPPI) for the provision of technical and administrative support in communicating professional and scientific information, technical data and the professional and scientific experience and capabilities of the group to the pig and poultry industries, other livestock and agricultural industries, agribusiness, research and development corporations and other organisations providing funding for research and development, current and prospective clients of the PPPI, PIRSA and the University of Adelaide.

**Essential Qualifications:** A degree in Science, Agricultural Science, Veterinary Science or equivalent.


**Special Conditions:** The occupant will be appointed initially on a part-time basis of 7.5 hours per week (0.2 FTE) for a period of one year subject to continued funding. The occupant will be located at the Pig and Poultry Production Institute on the Roseworthy Campus of the University of Adelaide. The occupant will be expected to participate in seminars and workshops relating to PPPI projects, and to participate in the PPPI seminar programs. The occupant may be expected to undertake intrastate and interstate travel.

**Salary:** \$32,051 to \$40,775 per annum (adjusted to hours worked).

**Enquiries and Applications to:** Ms P Carter, Administration Manager, Pig and Poultry Production Institute, Nutrition Research Laboratory, Roseworthy Campus SA 5371, telephone (08) 8303 7683.

**Closing date for applications is Monday, 20 September 1999.**

The South Australian Research and Development Institute is a group of Department of Primary Industries and Resources SA, an equal opportunity employer.



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## Innovative teaching a leap

A HISTORY LECTURER screens war films to his students. An engineering lecturer offers cash for the best emailed questions. Dental students play a novel game about gum disease. An anthropology lecturer uses a child's toy to explain the process of analysis.

These are just some of the imaginative teaching ideas that academics at the University of Adelaide have introduced across a range of departments in the past four years.

It's unlikely that many people would have heard about them, however, without Leap, the University's ground-breaking World Wide Web home page devoted to innovative teaching, learning and curriculum practices.

As it celebrates its fourth birthday this month, Leap can claim an impressive record of achievement.

So far, the home page has featured nearly 100 case studies of creative teaching and learning ideas.

A new electronic newsletter, Leap eNews, has attracted more than 100 subscribers, half of them from outside the University (including many from overseas).

And more recently, the home page has been honoured with an award by the American-based Web company Links2Go.

"We always knew that a lot of our hits were coming from overseas," said Margaret Kiley of the Australian Centre for University Education (ACUE), originator of Leap.

"What was interesting to learn from Links2Go was that, among overseas web users seeking information about teaching and learning, Leap is more popular than any other home page on the University of Adelaide web site.

"It's the only home page of its kind in Australia.

"One of the features that people appreciate is that each case study includes an evaluation by the teacher concerned.

"This is very important.

"The idea for Leap arose because so many good things were going on in learning and teaching here but so few people knew about them.

"As a University, it's important that we recognise and showcase the excellence of our teaching as well as of our research.

"Many of the really good teachers tend to be shrinking violets.

"We know that as a result of having case studies featured in Leap, they have received more recognition from their colleagues."

Ms Kiley said Leap had the potential to grow into a developmental tool for teaching staff.

She said that as well as providing information on what others were doing, it could be used to assist academics wanting to implement their own teaching innovations.

The Leap home page can be found at <<http://www.acue.adelaide.edu.au/leap/>>.

—John Drislane

### From the Editor

**CORRECTION:** A small gremlin found its way into the article on Rhodes Scholar Zoe Morrison in the last issue of the *Adelaidean* (9 August, p.7). The final paragraph stated that Zoe would shortly leave Adelaide to begin a PhD in Geology at Oxford University. In fact, her PhD will be in Geography.

**OMISSION:** The list of alumni receiving Queen's Birthday Honours (*Adelaidean*, 12 July, p.7) omitted the name of Di Tostevin, who received an AM for service to the community, particularly through hospital and university advisory councils and boards and to St Ann's College. Thanks to the Principal of St Ann's, Dr Rosemary Brooks, for this information.

### Books in My Life

**FOOTBALL legend Graham Cornes will be guest speaker at the next in the Friends of the State Library's Wednesdays at One series, when guests elaborate on the books which have influenced their lives.**

Graham Cornes' contribution to Australian Rules football was recognised with the award of the Medal of the Order of Australia in 1984 and life membership of the SANFL in 1995.

1 September at 1.00pm, Institute Building, North Tce. (\$5/\$3 Conc, Friends).

## Vietnam mission for graduate

**AFTER completing postdoctoral work in the University of Adelaide's Department of Plant Science in July this year, Dr Nick Paltridge applied for and was accepted into the Australian Youth Ambassadors for Development program.**

More than 100 young Australians from a wide range of backgrounds are currently taking part in the program. Each Australian Youth Ambassador spends between three and 12 months in a developing country in the Asia Pacific region working on development projects.

Earlier this month, Dr Paltridge left Adelaide for Vietnam. Over the next four months he will be helping the aid agency Care International in its efforts to increase food production and reduce environmental damage in the Mekong Delta, in the south of Vietnam.

Dr Paltridge, who earned his undergraduate and PhD degrees in Agricultural Science at Adelaide, said he was "keen to get out of the laboratory for a while, to travel and do some work of immediate relevance to those who need it most".

"The Australian Youth Ambassadors program has provided a great way of doing that. I've always been interested in agriculture and the development of more sustainable systems of agriculture. As a youth ambassador, I can undertake that work in a neighbouring country," Dr Paltridge said.

In the U Minh Thuong district of the Mekong Delta, Care International is hoping to increase rice production in a bid to reduce poverty. This may have a flow-on environmental benefit, reducing the need for villagers to log and hunt rare or endangered species in the neighbouring U Minh Thuong conservation reserve.

Dr Paltridge said that although his most recent experience had been in the study of disease resistance in barley, the wider skills he had acquired in the Faculty of Agricultural and Natural Resource Sciences would be put to good use in Vietnam.

"I'll be working in some areas that are different to those I've been studying, but my degree and experience in a research environment still provides a relevant background. The Agricultural Science degree is fairly broad, and my experience in plant breeding and genetics will be invaluable in our effort to increase rice production in the Mekong.

"It's often said that the skills we learn



Dr Nick Paltridge. Photo by David Ellis.

during our course are widely applicable, and I'm confident that this will be the case in this project," he said.

Dr Paltridge said the experience of being part of the youth ambassadors program would be invaluable. "The people and the organisations involved in the program are from diverse backgrounds and have very different skills and expertise. However, all are committed to development and to making a positive contribution to the Asia-Pacific region.

"From a personal development point of view, I think the trip will be very beneficial. This kind of experience is very difficult to get," Dr Paltridge said. "I'd urge anyone who has an interest in development in the Asia-Pacific as well as in their own personal and professional development to apply to the program."

People aged 18-30 years can nominate themselves or be nominated by a partner organisation to become an Australian Youth Ambassador. The next round of nominations closes on Friday 27 August. For information contact the Australian Youth Ambassadors for Development program, freecall 1800 000 656 or visit <<http://www.ausaid.gov.au/>>.

The University of Adelaide is also a partner organisation. Contact Dr Jane Olsson in the Study Abroad Office: (08) 8303 4067 or email <[jane.olsson@adelaide.edu.au](mailto:jane.olsson@adelaide.edu.au)>.

—David Ellis  
 —Kristen Cooke

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# Obituary: The First Lady of Singapore Madame Ong Siew May (1937-1999)

LING SIEW MAY was born in Shanghai in 1937. She lived in an orphanage until when at age 11 she left to live in Singapore. She then attended Nanyang Girls' High School and later when First Lady she was a generous benefactor and an esteemed mentor for her old school. Siew May first met her future husband, Ong Teng Cheong, when she was 15 and he was 16.

She later attended Adelaide Girls' High School where she was in the same class as Laila Chaleki, now Datuk Amar Dr Laila Taib, wife of the Chief Minister of Sarawak, East Malaysia. Both young girls were taught by my wife Diana Medlin (formerly Wauchope).

Both Teng Cheong and Siew May matriculated in Adelaide and both studied and graduated in Architecture from Adelaide University; she as a Colombo Plan student being the first Asian woman so to graduate; he as a private student who graduated BArch in 1962. (Siew May's brother-in-law, the late Ong Teck Joon, also studied Architecture at Adelaide and was accepted for Honours but chose to complete his studies in Melbourne.)

Teng Cheong and Siew May were married in the early 1960s and have two sons, Tze Guan (32) and Tze Boon (31). Teng Cheong became Secretary General of the National Trade Union Congress (NTUC) and Siew May worked diligently at her architectural business, continuing even after Ong

Teng Cheong became President of Singapore. My wife and I had many contacts with them both. Siew May in particular attended many of our alumni gatherings, both formal and informal, with her compatriots and fellow alumni. These included, among others, Tony Tan Keng Yam, Cheong Choong Kong, Michael Khor Teik Hean, Richard and May Hin Yung, the late Tan Chor Beng, Seet Ai Mee, Giam Choo Huat, David Goh, Tan Kah Hoe, Chan Beng See and the late Chan Chee Wah.

Following an election on 28 August 1993, President Ong Teng Cheong began his 6-year term on 1 September 1993 as the Fifth President of the Republic of Singapore and its First Elected President. The First Lady was revered by Singaporeans for her good cheer, for her devotion to her family, for her dedication to her profession and particularly for the care and attention that she paid to all her many demanding community responsibilities. Their Excellencies then did us a great honour when in 1993 they both accepted with real pleasure Honorary Membership of our Alumni Association.

Sadly, Madame Ong Siew May died on Friday, 30 July 1999 after a courageous battle with colon cancer for some two and a half years. Testimony to her courage, spirit and fortitude right to the end has been offered by many people, principally Prime Minister Goh Chok Tong and Deputy Prime Minister and Defence Minister Dr Tony Tan Keng Yam [PhD (1968)].



Madame Ong Siew May: "from orphanage to the Istana".

Condolences were sent from Bruce Webb, Mary O'Kane, Harry Medlin, Greg Crafter, Geoffrey Sauer and our Alumni Association; from Michael Khor, Richard Yung, Andrew Chong, Victor Lye and Mark Goh of our University of Adelaide Chapter of Australian Alumni Singapore; and from Thomas Gall, Cheung Yau Kai and Yap Pei Kwun of our Hong Kong Alumni Chapter. These condolences

were conveyed on Monday 2 August last by Andrew and May Chong and Victor Lye at the Wake held at the Ong's personal residence at Dalvey Estate, Singapore.

Many foreign dignitaries have sent tributes to President Ong. Those dignitaries include Queen Elizabeth II of the United Kingdom and Emperor Akihito of Japan.

The funeral cortege proceeded from Dalvey Estate to the Mount Vernon Crematorium for an "unadorned but dignified ceremony" at 4pm on Tuesday 3 August last. In addition to the tens of thousands of penned condolences there were three Eulogies attesting to the sterling qualities and character of this magnificent woman.

The principal Eulogy was delivered by His Excellency, President Ong Teng Cheong. He reflected upon Siew May's odyssey from "orphanage to the Istana", to her indomitable spirit, to their mutual love and joy in their many shared responsibilities and to the shared solace from the Chinese poetry that they had learned in their youth. The President concluded with:

"We had been husband and wife for better or for worse, till death did us part.

Goodbye Siew May. We love you."

With deepest respect.

—Harry Medlin  
Emeritus Senior Deputy Chancellor  
The University of Adelaide

## Interview: Roger Brissenden talks about Chandra

*How is the Chandra X-ray Observatory different to other observational equipment, such as the Hubble telescope? Why is it such a breakthrough, and why is it so important to us on Earth?*

Chandra is an X-ray telescope that can detect radiation from astronomical sources in the X-ray region of the spectrum. X-rays are produced when matter is heated to millions of degrees which happens under extreme magnetic fields, gravitational forces or explosive environments. The kinds of objects that produce X-rays include exploding stars (supernovae), material near the event horizons of black holes, super massive black holes in the centres of active galaxies and quasars, and clusters of galaxies. I think of X-ray astronomers as looking at the most violent and extreme places in the universe. Since X-rays are absorbed by the atmosphere, the only way to see them is to put an X-ray telescope like Chandra into space.

Hubble is designed to observe mainly in the optical portion of the spectrum and so can't see the X-ray sky. Chandra complements the data from Hubble and adds a critical high-energy component that allows astronomers to understand the structure and evolution of the universe.

Chandra represents a huge leap for X-ray astronomy and is the most powerful X-ray telescope ever built. Its resolution is 8 times greater and it can detect sources more than 20 times fainter than any previous X-ray telescope. The imaging resolution and spectral capabilities will allow astronomers to directly address questions about the origin, evolution, and destiny of the universe.

*How did you become involved in the Chandra project?*

Following my BSc at Adelaide I went to ANU to work on a PhD in astronomy at Mt. Stromlo and Siding Springs Observatory. As part of my thesis work I became involved in a collaborative project to identify the optical counterparts of X-ray sources discovered by a previous X-ray mission called HEAO-1. The collaboration was with scientists at the Smithsonian Astrophysical Observatory and MIT who were also in the early stages of work on the Chandra mission. After finishing up my thesis work, I was offered a position as Software Scientist for the mission and moved to Boston in 1990.

*What exactly is your role on the project, and what does it comprise?*

My role in the project now is Manager for the Chandra X-ray Center which includes managing the daily activities of the Science Center and satellite Operations Control Center. The Science Center provides the interface to the international science community who use Chandra, develops and operates the data systems to receive and process the science data, provides analysis software, and in a big picture sense seeks to maximize the science output from the observatory through efficient mission planning, calibration and science instrument operation. The Operations Control Center houses a team of ground controllers who prepare command loads for Chandra, run the detailed timelines, and monitor the spacecraft safety and health during the mission. As part of the OCC responsibility, I'm the mission Flight Director and together

with the Flight Team deal with any real-time problems on console.

*What are your thoughts/feelings on the project at this stage? It must have been a relief when the shuttle Columbia finally launched.*

It's been an extraordinary project to be involved with. When I arrived in 1990 the launch was 5 years away, however a major restructuring and several launch slips later made it 1999. Watching Columbia take off on July 23rd was an amazing feeling, knowing the amount of effort that had gone in to build and test Chandra, to develop all the ground system software, all the training and simulations by operations teams—all focused down to one moment when the space shuttle, the most complicated machine ever built by mankind, just had to work. The launch, deploy and upper stage phases all went perfectly—it was thrilling.

*When you were a Science student at the University of Adelaide, did you ever dream that you would one day work with NASA and be part of a project as important as this?*

My honours thesis work at Adelaide was in cosmic-ray physics with Roger Clay using the Buckland Park array. This was a great introduction to working with a team of scientists and engineers on a joint project and I gained an appreciation for what can be accomplished. I also had the opportunity to visit several of the group's graduates who were postdocs in the US working on larger scale projects in Arizona and Utah. I think I developed an interest in the high return from these kinds of projects from this, but never expected to be involved so

closely in a project of Chandra's scale.

*What message would you give Australian high school or university students who might be inspired by your work with NASA?*

I'd say keep an open mind to where your career might lead you. A training in science provides great skills in problem solving and analytical thinking and these can lead to exciting challenges—think out of the box when it comes to what you believe you're capable of.

*What's the future of the Chandra project, and your involvement in it?*

Chandra has got off to a great start. Right now we are near the end of our transfer orbit and the first science images are just a few days away. The mission has a 5 year minimum with a 10 year or more expected lifetime based on its design and orbit. The science community has already provided an exciting science plan for the mission's first year and I expect some stunning results early on, but the most exciting results may come from the unexpected discoveries—perhaps entirely new classes of objects.

I'm looking forward to the challenge of managing the Science and Operations aspects of the mission throughout Chandra's life; we have a great team and facility and I can't wait for the science to start to flow.

I appreciate the chance to talk to you about Chandra and the excitement of being on the brink of so much new science, and invite everyone to stay tuned to the discoveries through <<http://chandra.harvard.edu>>.

—David Ellis

## Music makes the message

THE ELDER CONSERVATORIUM is among the institutions which could benefit from a presentation in Adelaide by Boston Philharmonic Orchestra conductor—and renowned motivational speaker—Benjamin Zander.

Zander, who uses the music of Mozart and Beethoven in his addresses on leadership, will make his only Australian appearance at the Adelaide Convention Centre on 7 September.

A new philanthropic foundation, now being established, plans to distribute profits from the evening to worthy causes, including the Elder Conservatorium, Recitals Australia (formerly the Australian Society of Keyboard Musicians) and the Burra Regional Art Gallery.

The foundation is the brainchild of Peg and Tony Barker of Barker Financial Management, chief organiser of the event.

The Barker's daughter Catherine, who is general manager of the Boston Philharmonic, is a double graduate of the University of Adelaide.

She holds a Bachelor of Commerce (Accountancy) degree as well as an honours degree in Music Performance.

Peg Barker said the new foundation would support worthy endeavour in the field of arts and education.

"We would like to raise South Australia's profile as an originator of artistic talent and cultural excellence.

"The Elder Conservatorium is an important incubator of cultural talent, and the foundation is one way in which we can help.

"We'd also like to attract back to South Australia some of the many artists who have left.

"Funds will be directed carefully so that we can make South Australia a more attractive place for them to return to."

Benjamin Zander has delivered keynote addresses to international forums and symposiums in many parts of the world, including the World Economic Forum in Davos and the State of the World Forum in San Francisco.

Using music as both metaphor and medium, he brings his insights as a symphony conductor to leaders involved in transformation and change.

Tickets for his Adelaide appearance are available from BASS, tel 13 12 46.

—John Drislane

## 'Con' students join crème de la crème

A NEW CROP of young musicians is helping to maintain the Elder Conservatorium's reputation as a nursery for Australia's finest string talent.

Eight of the Conservatorium's string players were members of the Australian Youth Orchestra (AYO) Camerata which completed a tour of North Queensland and the South Pacific last month.

The Conservatorium was also represented on the tour by flautist Lisa Greenlees and horn player Katherine Sutcliffe (a graduate).

The AYO brings together the cream of Australia's young musical talent.

Musicians are selected at auditions in each capital city and rehearse together at an intensive two-week national music camp.

The latest tour featured performances in Townsville, Cairns, Charters Towers, Auckland, Sydney, Noumea and Port Vila.

Violinist Alison Rayner said the experience was immensely valuable and enjoyable.

"Playing with really good players makes you rise to the challenge," she said.

"Quite a few of the AYO have already started doing professional work, so the contact was very useful.

"It was excellent for us to be able play with everyone focused on the orchestral side rather than individual performances."

The Conservatorium's Director of Ensembles, Robert Hower, said the



Front row from left to right: Zoe Mayes and Anna Webb (viola), Guy Harrison (second violinist). Back row from left to right: Belinda Gehlert (first violinist), Rachel Homburg (second violinist), Alison Rayner (first violinist) and Rebekah Osborne (second violinist). Photo: John Drislane

string school had a long association with the AYO.

"Beryl Kimber was the person who did more than anyone else to establish the reputation of our string school," he said.

"If you look at most of the major orchestras around Australia and around the world you'll find string players who graduated from the Elder Conservatorium.

"We've always encouraged our students to participate in the AYO and the other activities of Youth Music

Australia. It introduces them to the people who will be their professional peers during their musical lives.

"That's a very important part of it.

"It's also valuable because it encourages students to keep working and playing during the study break.

"You can see the change in them when they come back: they've measured themselves against the best in the country and have a new enthusiasm."

—John Drislane

## ¡Ay Marimba!

FOUR PERCUSSION STUDENTS from the Elder Conservatorium swept the board at the Australian Academy of Music's International Percussion Festival and Marimba competition recently.

The team took out two firsts, a second and third prizes in the Inaugural Australian Marimba Competition in Brisbane, winning in the Open Section against more experienced musicians.

Because of the size and expense of owning a marimba none of the students has an instrument at home. They practise at University—as much as six hours per day!

"The fact that second year students won all the top places against masters just shows the quality of the course that we have here at the University of Adelaide," said Percussion Lecturer Jim Bailey.

"I'm very proud of their achievements."



From left: Matt Davis, Andrew Buchan (first prize Marimba Competition Open Section), Jamie Adam (third prize Marimba Competition Open Section), Bogdan Bacanu (international guest percussionist), Kerryn Schiller, Joseph Fragnito, Andrew Wiering (first prize Schools Section Marimba Competition), Alex Stopa (second prize Open Section Marimba Competition) and Aidan Moysse. Photo courtesy of Sheila Bryce, Helpmann Academy.

### ACCOMMODATION

CITY: Person to share fully furnished, modern, 2 br apartment off Carrington St, secure parking, prefer female. \$100 pw (+ exps). Ph 8303 6356 or 8359 2258 (ah).

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people, weekly or longer rental. Car available. Ph 8365 1078 or 0417 816 041.

MARINO: 1 br unit, living room, bathroom, ocean view, 1 minute to train, available September. \$99 pw. Ph 8303 3712 or 8298 8725.

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WANTED: Unfurn. 3-4 br home for academic family, prefer south/east side from mid October. Ph 64 7 854 7085 (NZ) or email: <catss@extra.cd.nz>.

## ADELAIDEAN CLASSIFIED

### FOR SALE

COMPUTER: PC with CD-ROM, multimedia speakers, 1.44 MB floppy disk drive, monitor, keyboard, mouse, Windows 95, Word 6. \$500. Ph 8379 0094.

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Macintosh Quadra 605, \$300 ono. IICX, \$100 ono. Laser Writer II, \$150 ono. Ph 8303 5663 or email: <chris.wadey@adelaide.edu.au>.

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MGB: MKI 1967, MKII gearbox, 46,000 miles, racing green, all original, exc cond, original recon motor, wire wheels, chrome roll-bar, full history. RRZ 758. \$12,000 ono. Ph 0413 550 270.

MISC: 18 speed bike, \$69. New bike, \$129. Computer desk, \$49. Office chair, \$39. Queen size ensemble (new), \$199. Coolers (3 piece pack, plus ice packs), \$20. Books, records, cassettes, mostly \$2 ea. Ph 8303 3712 or 8298 8725.

### WANTED

MOUNTAIN BIKE: Ph 8303 6356 or 8359 2258 (ah).

### MISCELLANEOUS

GIVEAWAY: 16 Smith-Corona Typewriter ribbon cartridges. Ph Asian Studies 8303 5815.

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# Bulletin Board

AUGUST 23, 1999

THE UNIVERSITY OF ADELAIDE

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## MONDAY 23 AUGUST

12noon Plant Science Seminar: Molecular Mechanisms of Nitrogen Recycling in Rice Planting by Professor Tom Yamaya (Tohoku University, Japan). PS Seminar Room, Waite Campus.

1.00pm Law Seminar: Intentional torts by Professor Peter Cane (ANU). Room 216, Ligertwood Building.

1.00pm Microbiology & Immunology Seminar: Milk and infant mucosal immunity by Dr Imme Penttila (Child Health Research Institute, WCH). Departmental Library, 5th Floor, Medical School South.

1.10pm History Staff/Postgraduate Seminar: Why We Weren't Told: Mistress-servant relationships under the New South Wales Aborigines Protection Board and the contingencies of silences and speaking out by Dr Victoria Haskins (National Museum of Aust). Common Room 420, 4th Floor, Napier Building.

1.10pm Student Workshop: Learn Deep Relaxation by Mark O'Donoghue. Counselling Centre, Ground Floor, Horace Lamb Building.

4.00pm Soil and Water Seminar: Natural organic matter in fresh water by Kaye Spark (CRC Water Acidity and Treatment). Room 301, Prescott Building, Waite Campus.

6.00pm Centre for Intercultural Studies & Multicultural Education Seminar: From Kosovo to Auschwitz: The New International Criminal Court by Hon Justice John W Perry (Supreme Court of SA). Council Room, Level 7, Wills Building.

## TUESDAY 24 AUGUST

12noon Child Health Research Institute Seminar: IGF's and IGF BP's of the Wound by Dr Gray Robertson (PhD student). Seminar Room, 7th Floor, Rieger Building, WCH. Refreshments provided.

1.10pm Student Workshop: The perfect procrastinator by Sally Hebenstreit. Discussion Room 1, Charles Hawker Conference Centre, Waite Campus. Bookings essential 8303 5663.

3.15pm Anthropology Seminar: Dingo Discourse: Constructions of Nature and Contradictions of Capital in an Australian Eco-Tourist location by Dr Ade Peace (Anthropology). Room 722, 7th Floor, Napier Building.

7.30pm Musicological Society of Australia / Elder Conservatorium, School of Performing Arts: "Abendland" (The Western World): Universal Claims in German Concepts of World Music by Professor Hartmut Möller. Room 1116, Schulz Building. Refreshments provided - gold coin donation.

## WEDNESDAY 25 AUGUST

10.10am Electrical & Electronic Engineering Seminar: An Array Processor Architecture for Support Vector Learning by Kiet To (postgraduate). Lec Rm S112, Engineering Sth.

1.10pm Geology & Geophysics Seminar: Tsunami Risks by Bill Mitchell (Deputy Director, National Tidal Facility, Adelaide). Mawson Lecture Theatre, Mawson Laboratories.

## COMING EVENTS

August 23rd — 3rd September

1.30pm European Studies Seminar: The Art of Automythography: The Role of Myth in Louis-Ferdinand Céline's German Trilogy by Dr Greg Hainge. Room 723, Hughes Building.

4.00pm Physiology Seminar: New horizons in hepatic transport by Professor John Gollan (Medicine). Room N416-417, Medical School North.

## THURSDAY 26 AUGUST

12.05pm Psychology Seminar: The role of anxiety in postpartum depression by Ann-Louise Hordacre (Psychology). Room 527, Hughes.

1.00pm 1999 Australian Mathematics Society Mahler Public Lecture: The weird and wonderful world of audioactive decay by John H Conway (Princeton University). Rennie Lecture Theatre, Johnson Building.

1.00pm Chemical Pathology Seminar: "Once Upon a Time ..." by Dr Bill Carey (Head, Molecular Genetics, WCH). Seminar Room 1, 4th Floor, Clarence Rieger Building, WCH.

5.30pm Centre for Biomedical Engineering Seminar: Effects of Neural Noise on Cochlear Implant Perception by Dr Stephen O'Leary (Royal Victorian Eye & Ear Hospital). Room S127, Medical School South.

## FRIDAY 27 AUGUST

12.45pm Dentistry Seminar: Hypoxia induced secretion of adrenalin in the fetus by Dr M Roberts. Lecture Theatre 1, 6th Flr, Adel Dental Hospital.

1.00pm 1999 Australian Mathematics Society Mahler Public Lecture: What do we know about the sphere-packing problem? by John H Conway (Princeton University). Rennie Lecture Theatre, Johnson Building.

1.10pm Elder Conservatorium Lunch Hour Concert: Elder Conservatorium Vocal School and Elder Conservatorium Symphony Orchestra present The Happy Prince by Malcolm Williamson. \$2 at the door. Elder Hall.

1.15pm Physics Under a Spotlight: Optics by Professor J Munch, Dr P Veitch and Dr M Hamilton. Kerr Grant Lecture Theatre, 1st Floor, Physics.

2.00pm Classics Special Seminar: The Children of Athens - Gender ideology in the Archaeological Record by Prof Alan Shapiro (1999 AAIA Visiting Professor / The Johns Hopkins University). Rm 723, 7th Floor, Hughes.

2.00pm Social Inquiry Seminar: Grappling with the monster: some strategies of the Canadian labour movement by Michelle Hogan (Assistant Secretary of the UTLC of SA). Seminar Room, 3rd Floor, 10 Pulteney Street.

4.00pm Obstetrics & Gynaecology Seminar: The pharmacology of tocolytic drugs by Professor Gus Dekker (Obstetrics & Gynaecology, North Western Adelaide Health Service). Seminar Room, 6th Floor, Medical School North.

## SATURDAY 28 AUGUST

2.30pm History of Science, Ideas & Technology Group: The Wreck of the Clan Ranald by Mr Terry Arnott (Marine Archaeologist). Royal Society Rooms, Plane Tree Court (behind State Library of SA - off Kintore Ave), Adelaide. Refreshments provided.

6.30pm Friends of the Museum of Classical Archaeology Public Lecture: The Art of Democracy in Classical Athens by Professor Alan Shapiro (1999 AAIA Visiting Professor / Classics, The Johns Hopkins University). Lecture Theatre 102, Napier Building.

## MONDAY 30 AUGUST

1.00pm Law Seminar: Bad faith and bad intentions by Professor Suzanne Corcoran (Flinders University). Room 216, Ligertwood Building.

1.00pm Microbiology & Immunology PhD Presentation: Biodegradable plastics from bacteria - cloning of novel genes for polymer production by Shuguang Zhang (Microbiology & Immunology). Departmental Library, 5th Floor, Medical School South.

1.10pm History Staff/Postgraduate Seminar: The Earl of Essex, politics and the Lambeth Articles of 1595 by Dr Paul Hammer (History). Common Room 420, 4th Floor, Napier.

4.00pm Soil and Water Seminar: GIS for modelling irrigation induced salt loads by Matthew Miles (Planning SA, Geographic Analysis and Research Unit). Room 301, Prescott Building, Waite.

4.00pm Applied and Molecular Ecology PhD Final Seminar: Climate matching in the colonisation of bio-control agents against Boneseed and Horehound by Mr Craig Clarke. Charles Hawker Conference Centre, Waite.

## TUESDAY 31 AUGUST

1.00pm Anatomical Sciences Seminar: Promotion and degradation of the dental cell renewing systems: Evolutionary, ontogenetic and molecular aspects by Prof L Sych (Uni of Melbourne). Room S127, Medical School South.

3.15pm Anthropology Seminar: "Voices of the Land": Multiculturalism and the Complexity of Diasporic Practices by Erez Cohen (Anthropology). Room 722, 7th Floor, Napier Building.

7.00pm Friends of Museum of Classical Archaeology Public Lecture: The Siege of Cremna by Professor Stephen Mitchell (Swansea). Edgeloe Room, Mitchell Building.

## WEDNESDAY 1 SEPTEMBER

10.10am Electrical & Electronic Engineering Seminar: T-Ray Imaging by Sam Micham (Postgraduate). Lecture Room S112, Engineering South.

1.10pm Horticulture, Viticulture & Oenology Seminar: Control of sap-

sucking insect pests with the use of genetically modified crops by Dr K Powell (Agriculture Victoria Rutherglen). Plant Research Centre Auditorium, Waite.

1.10pm Genetics PhD Update: Donna Crack and Richard Tamme. Seminar Room, Fisher Building.

1.10pm Geology & Geophysics Seminar: Asteroid/comet connections of terrestrial evolution by Dr Andrew Glickson (ANU). Mawson Lecture Theatre, Mawson Laboratories.

1.30pm CESAGL Seminar: Hadrian in the East - Religion and Politics by Prof S Mitchell (Swansea). Seminar Room 723, 7th Floor, Hughes.

4.00pm Physiology Seminar: Biotechnology: Adventures in Late 20th Century Protein by Dr Stan Bastiris (Bresagen). Room N416-417, Medical School North.

## THURSDAY 2 SEPTEMBER

12.05pm Psychology Seminar: Of mice and men: The genetic determinants of intelligence by Matthew Welsh; Stress and headache mechanisms by Stuart Cathcart (Postgraduate structured program). Room 527, Hughes.

4.30pm UNESCO Report: Education for the 21st Century: Implications of Delors for SA Education by Bob Teasdale (Flinders). email: <cbc@cbconsult.com.au> or fax 8274 1199.

## FRIDAY 3 SEPTEMBER

10.00am Social Inquiry Seminar: Performance, Politics and the Olympic Games by Dr Kay Schaffer. Seminar Room, 3rd Floor, 10 Pulteney Street.

11.30am Social Inquiry Seminar: Age as a factor in the gendered division of labour in South Australia 1900-1960 by Maureen Keane (postgraduate). Seminar Room, 3rd Floor, 10 Pulteney Street.

12.45pm Dentistry Seminar: Abdul and other forensic friends: Review of some interesting cases by Dr Jane Taylor. Lecture Theatre 1, 6th Floor, Adelaide Dental Hospital.

1.00pm Biochemistry Seminar: "Sticky Fingers" Zinc fingers are one of the most common of all protein domains, by Dr Joel MacKay (Uni of Sydney). Seminar Room, 2nd Flr, Darling Bldg.

1.10pm Elder Conservatorium Lunch Hour Concert: Adelaide Chamber Singers, Carl Crossin - Director. Works by John Tavener, Graeme Koehne & Monteverdi. Admission \$2 at the door. Elder Hall.

1.15pm Physics Under a Spotlight: Theoretical Physics by Professor AW Thomas, Associate Professor A Williams and Dr D Leinweber. Kerr Grant Lecture Theatre, 1st Floor, Physics Building.

2.00pm Social Inquiry Seminar: Small, Healthy and safe? Women and occupational health and safety in small businesses by Verna Blewett (Independent consultant on OH&S / PhD student). Seminar Room, 3rd Floor, 10 Pulteney Street.

4.00pm Obstetrics & Gynaecology Seminar: Adding value to pregnancy outcome statistics: a collaboration between town and gown by Dr Janet Hiller (Public Health). Seminar Room, 6th Floor, Medical School North.

# 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 ASSISTANT (Ref: 3458)

Department of Medicine  
Full-time salary HEO5/6:  
\$31,803 - \$41,959

This fixed-term position is available immediately until 31 May 2000 on a 20 hours per fortnight basis.

The selection criteria and duty statement may be obtained from Kate Reinfeld, telephone: 8222 5501.

Further details may be obtained from Dr Ian Chapman, telephone 8222 4162.

Applications close 30 August 1999

\*\* 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.

## MANAGER ANIMAL SERVICES (Ref: 4642)

Laboratory Animal Services  
Salary: HEO9: \$56,123 - \$60,131

This continuing position is available immediately. Further

information concerning the position including the selection criteria and duty statement may be obtained from Peter Franklin, telephone (08) 8303 3242.

Applications close 30 August 1999.

## RESEARCH NURSE (Ref: 3927)

Department of Obstetrics and Gynaecology  
Full-time salary HEO5/6:  
\$31,803 - \$41,959

The successful applicant will work on the Generation 1 study, in which a large group of women are being interviewed during pregnancy, and the growth and development of their infants followed.

This study is part of a research programme concerned with early life influences on later health.

The appointee will be part of a team based at the Lyell McEwin Hospital and will be responsible for the follow up of study participants.

This will entail interviewing women, making anthropometric measurements of women and infants, abstracting data from case notes and taking blood samples.

The work will involve some home visits.

You should have:

- nursing qualifications
- high levels of communication and organisational skills
- commitment to detail
- current driver's licence.

This fixed-term position is available on a 36.75 hours per fortnight basis for 7 months.

The duty statement and selection criteria may be obtained from Val Kuliwaba, telephone 8303 5100.

Further details about the position may be obtained from Vivienne Moore, telephone 8303 5100, or Michael Davies, telephone 8222 7695.

APPLICATIONS, IN TRIPLICATE, addressing the selection criteria and including names and contact details of three referees to Dr V Moore,

Department of Obstetrics and Gynaecology, University of Adelaide, Australia 5005, by 3 September, 1999.

## EXECUTIVE ASSISTANT TO THE DIRECTOR

(Ref: 1165)

Centre for International Economics Studies (CIES)  
Full-time salary HEO5:  
\$34,610 - \$38,619

This fixed-term position is available immediately for a period of 12 months in the first instance on a 36.75 hours per fortnight basis.

Although this is a part-time position, there may be occasions when you will be required to work additional hours.

Further information concerning the position including the selection criteria and duty statement may be obtained from the School of Economics office, telephone 8303 5540.

For further information please contact Elizabeth Geddes, School Manager, telephone 8303 4499.

Applications close by 27 August 1999.

## PERSONAL ASSISTANT (Ref: 2370)

Law School

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

This continuing position is available immediately.

Further information including the duty statement and selection criteria may be obtained from Barbara McCullagh, Senior Administrative Officer, Law School, telephone 8303 5818.

Applications close by 30 August 1999.

## ADMINISTRATIVE ASSISTANT (Ref: 7687)

Department of Horticulture, Viticulture and Oenology

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

Further details about the position, including the duty statement and selection criteria may be obtained from Valerie Morris, telephone: 8303 7248.

Applications close by 27 August 1999.

# GENERAL NOTICES

## Alumni Relations Review

The University recently commissioned an external review of its Alumni Relations. The Terms of Reference were as follows:

*The Review will investigate, report and provide recommendations or options on the function, operations and appropriate organisational structures for effective alumni relations at the University of Adelaide with particular reference to:*

- *Enhancing the University's relations with alumni, broadly defined as graduates, students and former students, staff and former staff and other key stakeholders;*
- *The role of alumni relations in the broader context of the University of Adelaide's development function and strategies;*
- *Appropriate governance and management structures and level of resources to ensure appropriate alumni relations in the context of the University's broader development function.*

The Review was undertaken by Morgan & Banks Ltd, and the Review Report prepared by Liz Lange and Lorraine Smith and entitled Alumni Relations at the University of Adelaide. Copies can be obtained from Ms Michelle White on 8303 6247 or from the Alumni web site at: <<http://www.adelaide.edu.au/alumni/review/report.doc>>.

It is hoped that the Review Report will generate widespread discussion both within the University and in the broader community. Following an appropriate period for comment and consultation it is anticipated that a Special Meeting of the Alumni Association will be called.

In the interim, individual or collective comments on the Report are invited. The deadline for written comments has been extended to 15 September and comments should be forwarded to:

Ms Michelle White, University of Adelaide, Australia 5005 or email: <[michelle.white@adelaide.edu.au](mailto:michelle.white@adelaide.edu.au)> or contact:

The Hon Greg Crafter, Chair, University of Adelaide Alumni Association, Australia 5005, tel 8303 6247

or:

Dr Norman Ashton, Pro Vice-Chancellor (Internationalisation and Development), University of Adelaide, Australia 5005, tel 8303 6340.

## Special Studies Program

### Special Studies commencing in the period July - December 2000.

Applications are now invited for Special Studies commencing in the **second half of 2000**.

Application forms may be obtained from Human Resources (extension 35666 or 35177) or via our Human Resources Web Page: <[http://www.adelaide.edu.au/HR/services/f\\_sspapp.htm](http://www.adelaide.edu.au/HR/services/f_sspapp.htm)> and should be returned through the Head of the Department **no later than 30 September 1999**. The supporting statement on page 4 of the application must be completed by the Head of the Department and Heads are reminded that in accordance with Paragraph 2.1.6 of the Special Studies Program Policy they are asked to comment specifically on both the academic justification for the programme and itinerary, and the implications in terms of the teaching, examining and administrative needs of the Department. All applications should be considered by the Departmental Committee before submission.

Under the terms of Paragraph 2.1 of the Policy all applicants will be required to justify the period of Special Studies sought, irrespective of the length of the period involved. Staff members are invited to discuss any questions they have about their eligibility for leave or the operation of Special Studies with Julie Raeck, telephone 35177, of Human Resources.

**STEVE DAYSH**  
General Manager, Human Resources

## Lunchtime Services

Scots Church, North Terrace (directly opposite Bonython Hall) has recently begun conducting brief lunchtime services every Thursday. Apart from the fourth Thursday of the month, which is set aside for a short Holy Communion service, the church is holding reflective/contemplative/meditative worship services of 10-20 minutes duration at 12.15pm, and again at 1.15pm on the remaining Thursdays of each month.

Interested members of the University's staff and student body are welcome at any of these services.

**DR ANDREW BUCHANAN**  
Anatomical Sciences

## 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:

4271, HEO3, Civil & Environmental Engineering; 2422, HEO5/6, Agronomy & Farming Systems; 2055, HEO2, Office of the Vice-Chancellor; 4791, HEO3, SATAC; 3725, HEO4, Public Health.

### HUMAN RESOURCES DEADLINES FOR ADELAIDEAN

For the *Adelaidean* of 6 September 1999 advertising paper work must be to Human Resources by 20 August 1999

For the *Adelaidean* of 20 September 1999 advertising paper work must be to Human Resources by 3 September 1999.

## 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)

## New National Statement on Ethical Conduct in Research Involving Humans

The new National Statement on Ethical Conduct in Research Involving Humans has replaced the National Health & Medical Research Council (NHMRC) Statement on Human Experimentation and Supplementary Notes (1992). It applies to all disciplines of research involving human participants. It is available at the human ethics website at <www.adelaide.edu.au/secretariat/ethics/human/index.htm>.

Australia-wide workshops are being conducted this month by the NHMRC's Australian Health Ethics Committee (AHEC) to provide an overview of the content of the new National Statement and address its implications in specific areas of research. The Adelaide workshop will be held on **Tuesday 24 August 1999** from 8.30 am - 4.30 pm at the Hindley Parkroyal Hotel. Cost is \$50, \$15-student. Further details are available from <HEWorkshop@ausconvservices.com.au>.

## Student Evaluation of Teaching

The Advisory Centre for University Education (ACUE) provides a service to all University teaching staff who wish to evaluate their teaching. This service is known as Student Evaluation of Teaching (SET). Staffing wishing to use SET for the first time should contact the Evaluation Service Office, ext 33496/ 33023, for a copy of the package. The SET package contains a User Manual, appropriate evaluation request forms, and some information concerning applications for promotion and tenure. The service is free of charge and is available to all teaching staff of the University.

Due to high demand for SET questionnaires, and to the fact that the Evaluation Service is currently staffed by one full-time person only, please send your evaluation request forms to the ACUE **at least four weeks prior to the planned date of your evaluation**. It is ACUE policy that all requests are placed in a queue determined strictly by date of receipt. Requests which do not allow sufficient lead time may not be processed. We recognise that occasionally there will be circumstances where a staff member will need to request an evaluation service but cannot give the required minimum notice. In these cases a service will be provided within 5 working days and a priority fee of \$75 charged.

## 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 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 contact with others, especially strangers; etc.

We are seeking individuals to participate in a study. To register or for further details call Dr Nick Potts at TQEH on 8222 7062.

## December Graduations

The University is running a pilot program of December Graduations this year. This comes as a result of a wide range of discussions involving the main stakeholders, namely, faculties, students and central administration in which benefits to students were clearly identified. The three Schools which will take part in the pilot are Commerce, Dentistry and Medicine and the date set for the ceremony is 17 December.

Affected students are being contacted individually with full details of the new processes and a general notice is being circulated to all students currently enrolled, via their pigeon holes.

From next year, 2000, all faculties will be involved in December Graduations. Next year there will be ceremonies in April and December. In subsequent years, in addition to the main round of ceremonies in December, there will be other ceremonies equivalent to the current October ceremonies held earlier in the year. Please note that this year will be the last to have an October ceremony.

## Counselling Centre

### WORKSHOPS

- Improving Sleep
- Developing a Lifestyle That Reduces Stress and Worry
- Learn Deep Relaxation
- The Perfect Procrastinator
- Overcoming Shyness
- Effortless Exams

**Lunchtimes - free. Booking on 8303 5663 or call in.**

**DAILY DROP IN SERVICE**  
1.00pm - 2.30pm. Brief consultations only. No appointment required.

**Ground Floor, Horace Lamb Building**

## A Social Inquiry (University of Adelaide) Constitutional Convention

**Wednesday 15 September 3.30 pm to 8.00 pm, Council Room, University of Adelaide, 7th Floor, Hughes Building**

Facilitated by: Hon Barry Jones (Deputy Chair, Constitutional Convention 1998) and Hon Greg Crafter (Chair, University of Adelaide's Alumni Association).

How will you vote in the referendum in November concerning whether Australia should become a republic and on the proposed new Constitutional preamble? More to the point, why will you vote that way? Would you like to be a delegate to a 'Constitutional Convention'?

Delegates to the Convention will participate in a debate to discuss the implications of voting 'yes' and 'no' at the referendum on Australian becoming a republic in November. The Convention will be addressed by leading scholars and public figures on the issues before the Australian people. Delegates will have the chance, as they did at the Constitutional Convention in 1998, to engage with those addressing the Convention.

Following the Convention, delegates will cast their votes in a secret ballot.

You are also welcome to come as an observer of the proceedings - with no speaking or voting rights - should you prefer.

Other invited speakers include:

- Margaret Allen, University of Adelaide;
- Jenny Baker, Flinders University;
- Geoff Berry, Australians for a Constitutional Monarchy - No Republic;
- Maryann Binn-Sallik, Australian Republican Movement;
- Deane Fergie, University of Adelaide;
- Suzanne Franzway, University of South Australia;
- Carol Johnson, University of Adelaide;
- Chris Mortensen, University of Adelaide;
- Toulia Nicolapopoulos, University of Adelaide;
- Ben Wadham, Flinders University.

Cost: \$30 per head (waged); \$10 per head (unwaged) (whether as delegate or observer) - includes scrumptious nibbles and champagne catered by the Art Gallery Cafe.

Further information and registration form contact: Department of Social Inquiry, University of Adelaide, 5005, Tel: (08) 8303 3715; Fax: (08) 8303 3345 or email: <Chilla.bulbeck@adelaide.edu.au>.

## LUMINIS SNAPSHOTS

### MOUSETRAPS

The other day I bumped into an old colleague whom I hadn't seen in ages.

"How's it going? Wife? Kids? common friends? etc etc job?"

"Luminis?" he enquired, the tone of his voice indicating a desire to know more.

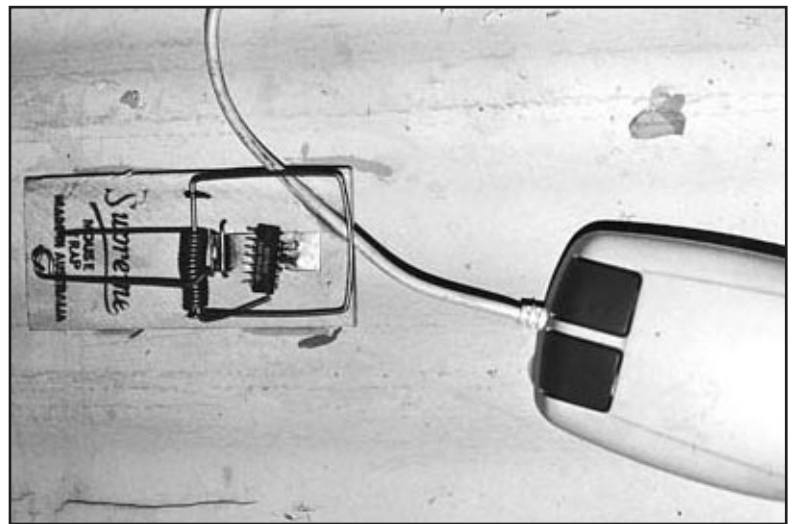
As we were both in a rush, and I wanted to give him at least some idea of my role at Luminis, I grasped at a metaphor.

"Mousetraps!"

"For those within the University of Adelaide who have invented 'Better Mousetraps' we help find commercial partners. Conversely we assist commercial interests with plans for 'Better Mousetraps' to link up with appropriate academics and researchers."

At that we parted. Hopefully my friend was wiser from the interaction.

I've since found this description quite useful when promoting the services of Luminis to clients both within the University and in the commercial world.



**"Invent a better mouse trap and the world will beat a path to your door."**

One can hardly expect this to be so straightforward. Luminis' role is to help clients at either end of the path profit from travelling along it. We help our clients find the right path, to traverse hurdles, climb the fences, break down the brick walls, avoid getting bogged, and when they come to intersections, to choose the path with the best potential.

Over the past 12 months we have used this column to explain our role by reporting on a range of successful consultancies and commercial ventures.

Recently I and my colleague Andrew Cecil gave a presentation on Luminis' services to the Psychology department. We would be more than happy to visit any department or group within the University to show how Luminis can assist staff to successfully provide expertise and services to the commercial world.

Likewise Luminis gives similar presentations to commercial groups, as was the case recently with Piper Alderman Solicitors. Here the senior partners in the practice were given a detailed outline of the services available within the University, primarily for the provision of opinions, expert witnesses, and the scientific testing.

To further interface with specific industries, Luminis has recently joined the Australian Health Industry Association. This body caters for businesses that produce medical products and/or services with members such as Hamilton Laboratories (sun screens), Sola Optical, Soniclean, Fauldings and Dynek (sutures). By active involvement in the Association we will promote to our fellow members relevant skills and services available within the University of Adelaide. This same approach applies to the Electronics Industry Association, where our membership allows us to promote the University's skills at designing "better mousetraps".



### WELCOME KATHERINE

Katherine Taubert (pictured left with Mrs Trish Lyndon) has recently joined the Luminis staff as full time Receptionist and Secretary. She has three years of office experience, has a friendly manner and is quick to learn. We welcome her to the team, and encourage all of our Associates within the University to do likewise.

**Paul Szuster  
Business Development  
Manager, Luminis Pty Ltd  
Ph 8303 5020**

## ARC Small Grants Scheme 2000

### DISCIPLINE PANEL MEMBERSHIP

#### Biological Sciences

Prof Margaret Sedgley (Chair): Horticulture, Viticulture & Oenology and URC member

Dr Cynthia Bottema: Animal Science

Assoc Professor William Breed\*: Anatomical Sciences

Dr John Conran: Environmental Biology

Dr Michael Lardelli: Genetics

Dr Jennifer Ong\*: Anaesthesia & Intensive Care

Dr Phillip Owens\*: Obstetrics & Gynaecology

Dr Robert Reid: Plant Science

Secretary: Mr Simon Brennan, Research Branch

Asst Secretary: Ms Daniela DeNichilo, Research Branch

\* Member of ARC/NHMRC overlap sub-panel

#### Chemical, Mathematical & Physical Sciences

Dr Bob Vincent (Chair): Physics & Maths Physics

Professor Michael Bruce: Chemistry

Dr Nalini Joshi: Pure Mathematics

Professor Ernest Tuck: Applied Mathematics

Dr Tony Williams: Physics & Maths Physics

Dr David Williams: Chemical Engineering

Secretary: Mr Cyril Brown, Research Branch

#### Engineering, Earth & Applied Sciences

Dr Michael Griffith (Chair): C & E Engineering

Dr Derek Abbott: E & E Engineering

Dr Yvonne Bone: Geology & Geophysics

Dr David Chittleborough: Soil & Water

Dr Andrew Wendelborn: Computer Science

Dr Muhammad Wahab: Mechanical Engineering

Prof Martin Williams: Geographical & Environmental Studies

Dr Robert Woodbury: Architecture

Secretary: Mrs Angela Thomas, Research Branch

#### Humanities & Social Sciences

Dr Blair Badcock (Chair): Geographical & Environmental Studies and URC member

Prof Judith Brine: Head, PALACE

Dr Anita Donaldson: Elder Conservatorium School of Performing Arts

Dr Judith Gardam: Law

Assoc Professor Susan Magarey: ARCHSS/Centre for Women's Studies

Professor Peter Mühlhäusler: European Studies & General Linguistics

Prof Lee Parker: Commerce

Dr Helen Winefield: Psychology/Psychiatry

Secretary: Ms Vada Osborn, Research Branch

**APPEALS PANEL:** To be chaired by Prof Mike Brooks (Computer Science, member of the URC) and include two or three other appropriate staff, nominated by the Deputy Vice-Chancellor (Research), who have not been involved in the Discipline panels in the current round.

## Research Branch Update

NHMRC: Visit by Professor Warwick Anderson of the National Health & Medical Research Council

Open Meeting: 'The Current and Proposed Future NH&MRC Research Programme' Wednesday 25 August 1999, 1.00 - 3.00 pm, Lecture Theatre 3, Flinders Medical Centre.

Presentation by Professor Anderson, (Chair, Research Committee, NH&MRC)

Questions and Discussion

All researchers and postgraduate students and research administrators are welcome.

### AUSTRALIAN UNIVERSITY MOBILITY IN ASIA AND THE PACIFIC (UMAP) PROGRAMME GRANTS 2000

DETYA's 2000 Australian UMAP program aims to set up a broad based program of student exchanges (primarily for undergraduate students) in all academic disciplines. Students are able to undertake one or more semesters of study in universities overseas, for which they will receive credit towards their Australian degrees.

Guidelines and applications can be obtained from DETYA's website: <<http://www.detya.gov.au/iae/international/umap.htm>>.

Interested staff should contact Jane Olsson, Study Abroad Adviser, International Programs on Tel. 83030 4067.

Internal closing date: 10 September 1999. Applications to be submitted to the International Programs Office.

## RESEARCH AND SCHOLARSHIPS AND OTHER FUNDING SCHEMES

### Research Grants & Fellowships

The following is a list of grant, fellowship and other research funding schemes currently available for application. A more detailed electronic version of this listing (Update: Research), together with guidelines and application forms for some of the major schemes, are available at: <<http://www.adelaide.edu.au/RB/>>. For hard copy application forms and guidelines 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.

Australian Academy of Science - Selby Fellowship for 2000: Internal closing date: 23 August 1999. Web site: <[www.science.org.au/awards/awards.htm](http://www.science.org.au/awards/awards.htm)>.

Dunlop Asia Awards Trust, The University of Melbourne, Asialink Centre: Sir Edward Weary Dunlop Asia Fellowships: Internal closing date: 23 August 1999.

Horticultural Research and Development Corporation - Partnership in Horticulture: Horticultural R&D Funding 2000/2001: Internal closing date (Concept Development Proposals) : 23 August 1999

Parke Davis/Pfizer Medical Research Fellowships: Internal closing date: 23 August 1999.

Australian Football League (AFL) - Research and Development Program 1999-2000: Internal closing date: 24 August 1999

Multiple Sclerosis Australia - Seeding Grants for 2000: Internal closing date: 24 August 1999.

SA Network for Research on Ageing - SANRA Research Awards 1999: Internal closing date: 24 August 1999.

Australian Academy of Science Scientific Exchanges with China 2000-2001: Web site: <<http://www.science.org>>.

au/internat/exchange/chisci.htm>. Scientific Exchanges with Japan 2000-2001: Web site: <<http://www.science.org.au/internat/exchange/jaexch.htm>>. Scientific Exchanges with Korea 2000-2001: Web site: <<http://www.science.org.au/internat/exchange/korex.htm>>. Scientific Exchanges with Taiwan 2000-2001: Web site: <<http://www.science.org.au/internat/exchange/taiwex.htm>>. Internal closing date: 25 August 1999.

Australian Academy of Science/Australian Academy of Technological Sciences and Engineering/Korea Science and Engineering Foundation (KOSEF): Postdoctoral Fellowships in Science and Engineering - Republic of Korea 2000-2001: Internal closing date: 25 August 1999. Web site: <<http://www.science.org.au/internat/exchange/apec.htm>>.

Faulding Centenary Committee - The Faulding Florey Medal: Internal closing date: 25 August 1999. Web site: <<http://www.aips.net.au/tallpoppies>>.

Commonwealth Department of Health and Aged Care: Rural Health Support, Education and Training (RHSET) Program: Internal closing date: 27 August 1999. Web site: <<http://www.health.gov.au/pubs/rhset/99rhsetguide.htm>>.

Grape and Wine Research and Development Corporation (GRWDC) - Preliminary Research Proposals: Internal closing date: 30 August 1999. Web site: <<http://www.winetitles.com.au/gwrdc>>.

Institute of Engineers - International Conference Support Scheme: Internal closing date: 30 August 1999. Web site: <<http://www.ieaust.org.au/icss/>>.

Juvenile Diabetes Foundation  
• Innovative Grants  
\*Updated Internal closing dates:  
3 September, 1 December 1999 and 1 March 2000 (Copy of first two pages of application)  
17 September, 16 December 1999 and 17 March 2000 (Completed full applications)  
• Research Grants, Fellowships & Career Development Awards  
\*Updated Internal closing dates:  
2 January 2000 (Copy of first two pages of application). 17 January 2000 (Completed full applications)  
Web site: <<http://www.jdfa.org.au>>

### 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. Undergraduate Scholarship enquiries to Anne Witt, ext 35271. Please lodge all applications with the Scholarships Office unless otherwise stated.

AFUW-Qld Fellowships: Freda Bage Fellowship and Commemorative Fellowship are open to women graduates of a university or recognised tertiary institution from any country. Women graduates on full-time salaries or on fully paid study leave are ineligible. Closing: 30 August (Qld)

ANU Summer Vacation Scholarships 99/2000: Provides opportunity to undertake a short research project in physics, chemistry, astronomy, engineering, medical sciences, earth sciences, Pacific and Asian studies, social sciences, environmental sciences, arts, economics/commerce, mathematics, music, visual arts and other university areas. Closing: 31 August (ACT)  
Australian Kidney Foundation Summer Vacation Scholarships: 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 scholarship's commencement. Closing: 8 September - Vacation Scholarships

Australian Minerals & Energy Environment Foundation Travelling Scholarship: Available to study new overseas developments in environmental management/research/practice relevant to Australian minerals and energy industry, and to apply that knowledge to Australia. Applications \AMEEF, 9th Floor, 12 Exhibition Street, Melbourne 3000, tel: (03) 9679 9964, fax: (03) 9679 9916, email: <[melissa@ameef.com.au](mailto:melissa@ameef.com.au)>. Closing: 1 September (Melb)

Canadian Travel Grants: Value: SA2,800 for Masters or Doctoral candidates enrolled at an Australian university engaged in research into Canadian studies to undertake research trips to Canada. Closing: 30 September (ACT)

Dairy Research & Development Corp Postgraduate Scholarships 2000: Awards for research degrees leading to a PhD in a range of disciplines: dairy manufacturing, farm research, industry analysis and agricultural extension. Priority to degrees relevant to areas of major DRDC programs where there are shortages of trained people. Closing: 25 October (Scholarships)

Fulbright Awards 2000 to study in the USA: Postgraduate awards available to undertake an American higher degree or engage in research towards an Australian higher degree in any field of study. Postdoctoral Awards to undertake study/research for 3 to 12 months. Senior Scholars Awards for senior scholars and professionals of academically based professions to visit the USA for 3 to 6 mths. Professional Awards for practitioners who have a record of achievement and are poised for advancement to a senior management/policy role wishing to undertake a professional development program in the USA for 3 to 4 mths. Applications available from: <<http://sunsite.anu.edu.au/education/fulbright>>.

Jean Denton Memorial Scholarship: To advance knowledge in early childhood education or a related field. Scholarship open to advanced or postgraduate studies within or outside Australia. Tenable for one year. Applications: Ms Gillian Harvie, ph 8371 3310; Enquiries: Ms Gillian Potter ph 8302 4433 Closing: 24 September

Maxwell Ralph Jacobs Fund: Available to support projects in or related to Australasia in any field of forestry science, including overseas travel. Enquiries: Janice Warren (02) 6281 3992 or Faye Nicholas (02) 6247 5777. Applications may be downloaded from <[www.science.org.au/awards/awards/htm](http://www.science.org.au/awards/awards/htm)> Closing: 30 September (ACT)

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

Rural Health Education Scholarships: Ten one-off scholarships are available to first year students who have lived in rural SA for no less than five years, and completed the first semester of their undergraduate health course in medicine, dentistry, nursing, or allied health. Closing: 27 August