

University mourns former Chancellor

Dame Roma Mitchell, who died on 5 March aged 86, will be remembered as one of the outstanding Chancellors in Adelaide University's 126-year history, the University's Vice-Chancellor Professor Mary O'Kane has said.

Paying tribute to a woman she called "a truly inspirational figure", Professor O'Kane said Dame Roma had made an enormous contribution to Australian life.

"Her pioneering achievements, her personal integrity and her commitment to public service made her a role model for many Australians.

"She represented change. The memory of her spirit and energy will continue to inspire those working to achieve her vision of a better and fairer society. She cared passionately about education and was a true friend to Adelaide University. I also admired her immensely on a personal level and will always be grateful for the encouragement and advice she gave me.

"Her association with Adelaide University extended over more than 60 years. She contributed significantly as a student, a lecturer, a member of the University Council and as Chancellor (1983-90).

"After she resigned as Chancellor to become Governor, she continued to maintain a deep interest in the University's affairs. She visited frequently for seminars and conferences and, in more recent years, was a founding trustee of the University's Don Dunstan Foundation."

The Chair of the Foundation, Hon Greg Crafter, paid tribute to Dame Roma's contribution over more than 50 years to the values that underpin Australian society.

He said Dame Roma's lifelong commitment to justice, human rights and the full participation of women in every aspect of the life of the nation was an inspiration to all

who shared these ideals.

Adelaide University Alumni Association and the Office of Alumni and Community Relations praised Dame Roma for her tireless work and unfailing commitment to the University as a former Chancellor and prominent member of the alumni.

Director Rachael Oliphant said that, as a champion of justice and equality, Dame Roma had inspired generations of men and women. She was admired and respected throughout the university community.

Dame Roma was a founding member of the University of Adelaide Graduates Union which amalgamated with the Alumni Association in 1987.

Dame Roma graduated from Adelaide University with a Law degree in 1934. In 1960 she became a part time Lecturer in Matrimonial and Family Law in the Faculty of Law and taught in that capacity for five years. She became a member of the University Council in 1965 and was Senior Deputy Chancellor for 11 years, from 1972 until her appointment as Chancellor in 1983. (She succeeded the Hon. Dr John Bray who had occupied the position for 15 years).

She was the first woman to hold the post of Chancellor in an Australian university. She began a second five year term in 1988 but resigned when she took up her appointment as Governor in January 1991.

In 1985 she was awarded the degree of Doctor of the University for her distinguished service to the University.

—John Drislane

See Page 2 for a photographic tribute to Dame Roma Mitchell.



Dame Roma Mitchell. Photographed by Peter Thurmer as part of the Faces of Learning Photographic Project 1988.

Storm warning: physicist predicts solar damage

AUSTRALIA'S new national power grid and hundreds of satellites orbiting the Earth may have survived a recent solar particle explosion—but they might not be so lucky next time.

The warning comes from Adelaide University physicist Dr Roger Clay in the wake of last month's solar storm which hit Earth with an interplanetary shock wave of ionized gas and magnetic fields.

Dr Clay said the solar storm on 18 February—technically known as a coronal mass ejection (CME) of high-energy particles—did not cause as much damage as some had feared, but it was likely to be the first of many such explosions in the next two to three years.

A CME consists of a group of atoms, known as a plasma, which have had their electrons stripped away from the nuclei. These travel towards earth at speeds up to 500km per second.

In sufficient quantities, the wave of particles can disrupt satellites in their path and even create an electric current big enough to disturb the Earth's magnetic field, overloading electric power systems.

Dr Clay said the Sun had just begun

its most active phase—known as "solar maximum"—with the February CME likely to be the first of many such explosions.

He said the last phase 11 years ago had caused a major disruption to the Canadian power system. Since then, many more satellites had been put into orbit around the Earth, many of which were not "radiation hardened".

"If the next solar storm is no worse than the one last month, then there's no problem," he said.

"But of course, since the last solar maximum 11 years ago, we've got a lot more satellites and we depend a lot more on satellites.

"All our communication satellites, our GPS systems and these sort of satellite systems have computer chips in them. The computer chips are susceptible to these particles going through them because they deposit electrons in there, and that's enough to change a zero to a one in the computer memory, which could effectively disable the satellite."

Dr Clay said the solar discharge also posed a threat to the Earth because it was equivalent to a huge electric current passing by us.

"That huge external current can disturb the Earth's magnetic field and

induce very large currents here on Earth.

"If you've got a large loop of wire, and you've got a magnetic field going through it, a change in the magnetic field induces an electrical current through the wire.

"There is a move to integrate power grids across countries so, as in many countries, what we have here in Australia, as we've been joining up grids between the states, are huge loops of line all connected together. When the Earth's magnetic field changes quite rapidly, it can induce big currents in the national grid, and those currents may overload the system. This is what happened in Canada."

Dr Clay said CMEs would also cause major dangers for humans in space, who are without the protection of Earth's atmosphere.

"The Apollo astronauts have said that when they shut their eyes they saw "flashes". Those flashes were due to these particles going through their eyes", Dr Clay said.

"It's a high-radiation environment, and it can kill. It's like continuous radiotherapy. We don't have an effective protection against it, outside of the Earth's protective atmosphere.

"Right now space agencies are



Reader in Physics Roger Clay and Physics Department technical officer Neville Wild (seated) check the older of the Physics Department's two radiation detectors following last month's spectacular coronal mass ejection from the Sun.

building a new space station to orbit the Earth. Roughly one person in one hundred per year in such an environment would die from this radiation," he said.

Dr Clay said Adelaide University's Department of Physics and Mathematical Physics has been operating two radiation detectors—one for about two years, and another commissioned earlier this year—to

study solar effects.

The 18 February CME was the first substantial test for the older detector, which responds to the early effects of CMEs, with the department now hoping to develop this detector into an automated solar storm predictor.

The newer detector recorded the local arrival of the solar debris at the Earth some four days later.

—Ben Osborne

INSIDE

Myths/mysteries of crystals

page 4

Paitya dancers welcome students

page 5

Interview with Edwina Cornish

page 6

Canadian music ensemble

page 8



Dame Roma Mitchell: 1913 - 2000

A snapshot of Dame Roma Mitchell's career as Chancellor of Adelaide University from 1983 - 1990.



Dame Roma Mitchell portrait.



Beneath the name plaque for the newly named GM Badger Laboratories are (from left) Dame Roma Mitchell, Lady Badger, Emeritus Professor Sir Geoffrey Badger and Professor DR Stranks.



Commemoration 1998 - Fourth Ceremony. Professor DR Stranks, Ms Ursula Goggs (Rhodes Scholar 1998) mace bearer and Dame Roma Mitchell.

COMMENTARY

STATECRAFT, AUSTRALIA AND THE FUTURE OF INDONESIA

Jonathan H Ping

Doctoral Candidate, Politics Department

Indonesia is reconstructing itself. Democracy has taken hold, a free press is working and the rule of law is gaining popularity. What about self-determination, human rights and the environment? Can Australia play a role in assisting those people and groups in Indonesia that can't help themselves? Can Australia's leaders help? To date, unfortunately, it can be argued that Australia has no statesmen (or stateswomen) only politicians! The character of a 'statesperson' sees them looking at the world in a proactive and thus inventive way which allows them to create circumstances and also to take advantage of opportunities. The reactionary is a politician.

Australia's relationship with Indonesia is a prime example of this country's failure to produce any leaders that are statespeople. Gough Whitlam failed to make clear our nation's views on human rights and self-determination and thus Indonesia's leader Soeharto took that as permission to take East Timor by

force. Malcolm Fraser complained and pestered Indonesia but traded and dined with them as if nothing else mattered. Bob Hawke refused to take East Timor's plight seriously and suggested that it would all be resolved with time. Paul Keating attempted to make friends with a dictator but failed and in that failure undermined years of trust that had been honestly but ignorantly built. John Howard dragged our nation through the mess that the previous politicians had created. In doing so he did more than the former holders of power but refused to look into the future or at the evidence.

It is now known that the Australian Defence Intelligence Organisation had been handing John Howard transcripts of radio communications between the Indonesian military and the Pro-Jakarta East Timor militia which anticipated the sacking of East Timor months before it occurred. Why didn't he make that information public? Why for that matter didn't he talk to General Wiranto? Unfortunately John Howard had to wait for the destruction of Dili and

other towns before his government acted. The call to act was couched in emotive images and irrational arguments rather than common sense. Here, we the Australian people are to blame. A combination of ignorance and lack of interest makes it almost impossible for Australian leaders to be able to justify foreign policy decisions to the public unless the public is primed with images of blood and death. But then isn't it too late?

“Twenty five years ago Australia could have saved hundreds of thousands of lives by being honest and mature in its dealings with Indonesia.”

East Timor is now on its way to becoming an independent state. The man to thank for that is not Australian. The only statesman involved in those troubling events, which destroyed the lives of four generations of East Timorese, is the ex-President of Indonesia Bacha ruddin Jusuf Habibie. With the

courage of a condemned man Habibie for the first time in Indonesian history used the extensive Presidential powers against the interests of the colonial Javanese army and state. Yes, it is a colonial power - Java that is. In the outer Provinces of Indonesia, such as West Kalimantan, Ambon, Ache and Irian Jaya, the Javanese army behaves like the Dutch colonialist of pre-1945. The policies are the same and characteristic: forced transmigration, resource extraction, military rule and violence as the ultimate arbitrator.

The Australian state has a proud record of state midwifery. The birth of Indonesia, Malaysia, and PNG can all be found in Australia's international career. East Timor joins that list. Of course Australia was given instructions by the 'acting physician'—Britain and then the United States of America. What about Irian Jaya and the other Indonesian Provinces that are torn by violent opposition to Javanese colonialism? Should Australia send troops to oppose the Indonesian military as it did at the birth of Malaysia? Australian citizens

walked the international border between Malaysia and Indonesia in Borneo. Could Australia not take advantage of this historical opportunity - the solidification of a democratic Indonesia - to suggest and argue logically for the deconstruction of oppressive politics?

Twenty five years ago Australia could have saved hundreds of thousands of lives by being honest and mature in its dealings with Indonesia. A lost opportunity will cost lives. As the nightmare of East Timor ends the failure of Australian foreign policy, and in particular the lack of statespeople, is creating another millstone around our neck. Can Australia attend diplomatic cocktail parties and ignore the destruction of the largest tract of rain forest outside South America, that is in Irian Jaya or West Papua, as the non-Javanese call it? Can we live with the yet to emerge West Papua independence protesters that will fill our streets and condemn our immorality? Will we be content when the ancient culture and lifestyle of the tribespeople of West Papua is gone?

Continued Page 6

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LETTERS

TO THE EDITOR

Music Review



In view of my major research interest—the role of universities in the development of Australian music education—as a student of the Elder Conservatorium from the age of 14 until graduation in 1941, and as a former Chairman of the Board of Governors of the NSW State Conservatorium, I wish to comment on the correspondence relating to the Review of Tertiary Music Education and Training in South Australia.

There are several matters which need further debate. While I agree with the

proposed amalgamation of the Elder Conservatorium and the Flinders St School of Music, your correspondents have raised two separate issues: University control and the location of a building to house music activities. These should not be confused.

Because of the Elder bequest to the chair of music, the professorship and consequent university involvement must surely be continuous. However, the existing accommodation for music within the university is grossly inadequate for a modern music school, responsible for so many more facets of music education than existed a century ago. Most large universities use buildings not located on the

main campus, and the proposed site at the western end of North Terrace for a custom-built music school retaining the name Elder is not far away from the Elder Hall, which would certainly be kept for concerts and for organ tuition. The rooms under the hall, where the existing conservatorium is located, could well be used for some music activities such as rehearsals. Thus traditional associations could be maintained. Sentiment should not get in the way of a practical solution to future needs, surely a priority.

Dr Doreen Bridges AM, FACE
Glenside

Unibooks gift a windfall for Library

ADELAIDE University libraries will purchase extra computers and books after receiving a \$70,000 donation from Unibooks earlier this month.

University librarian Mr Ray Choate told a function in the Barr Smith Library on 2 March he was very pleased to receive the gift.

"At the request of the Board, some of the funds would be expended on providing laptop, portable computers for loan to students and staff, for use inside and outside the Library," he said.

"These will be also be available for overnight loan, and have much potential use for general word processing, PowerPoint demonstrations at seminars and presentations, etc."

Initially, two of these computers will be available for North Terrace Campus users from the Barr Smith Library, and one each at the Roseworthy and Waite Campus Libraries. Based on use patterns, additional laptops may be purchased.

Mr Choate said a second major use of the funds will be for the purchase of computers and related equipment for the ongoing development of the Library's "Information Commons".

"This involves a considerable increase in the number of PCs available to users of the Library for such purposes as completing the Library Skills online tutorials, reading full-text books and journals which are now a regular feature of information, and for general catalogue use," he said.

"With information now appearing in a wide range of formats, increasingly electronic, the concept of an 'Information Commons' will keep users informed as to the best sources of information for specific needs and that information is not solely print or electronic."

Finally, a major portion of the donation will be



Pictured at the function marking the handover were (back) Unibooks CEO George Ganter, Unibooks marketing manager Nadia Barmada, (front) Unibooks Board chair Ian Cannon and University librarian Ray Choate. Photo: Ben Osborne.

used to purchase books from Unibooks; these purchases will be in disciplines and areas which are not traditionally covered by the Library's selection policies, he said.

"This gift has given the Library a special opportunity to augment its collections in areas such as contemporary fiction and fine arts, and will permit the Library to round-off its holdings in order to have a broad collection better able to satisfy the intellectual curiosity of the Library users," he said.

"As part of this process, users of the Library and especially students, will be given the opportunity to request items not held in the collections. All books purchased with this donation will have a bookplate honouring the gift from Unibooks."

Unibooks chief executive officer, Greg Ganter, said the money donated was part of a trading

surplus accumulated over the years, with the Unibooks Board deciding it was fitting to this to the University Library to be used for additional information services to students and staff of this University.

Deputy Vice-Chancellor (Education), Professor Penny Boumelha noted that there was an extra significance in the gift coming from within the university and its student organisations.

"A great Library lies, geographically and metaphorically, at the heart of a great university; but no university can aspire to be great unless it is able to generate the loyalty and goodwill of its students and alumni," she said.

"This generous gift is a most welcome and tangible expression of that goodwill."

—Ben Osborne

World-first treatment

ADELAIDE University and Women's and Children's Hospital scientists have developed a world-first treatment for gastrointestinal infections caused by Shiga toxin-producing strains of the bacterium *E. coli*.

These bacteria include the notorious O157 and O111 strains and are frequently responsible for outbreaks of food-poisoning, such as the so-called "Garibaldi outbreak" which occurred in Adelaide in 1995.

The Shiga toxin produced by the bacteria causes diarrhoea, haemorrhagic colitis and the life-threatening haemolytic-uraemic syndrome (HUS). HUS is the commonest cause of acute renal failure in children.

Survivors often suffer permanent kidney damage, and acute complications include necrotizing colitis, diabetes, strokes and other neurological problems.

The research team comprising Dr Adrienne Paton, Dr Renato Morona and Associate Professor James Paton, has published a paper in the prestigious international journal *Nature Medicine*, describing a novel therapeutic strategy to block the effects of the toxin.

Associate Professor Paton, Head of the hospital's Molecular Microbiology Unit, said the Shiga toxin is produced by bacteria which colonise the gut, and after absorption of toxin into the blood stream, it binds to specific receptors on the surface of host tissues such as the kidney.

"We have engineered a harmless strain of *E. coli* which has molecules on its surface which mimic the human toxin receptor, and these "decoy" bacteria bind the Shiga toxin extremely strongly. When we feed these modified *E. coli* to mice infected with deadly toxin-producing strains, the harmless bacteria bind the toxin in the gut and prevent it from being absorbed into the body, providing 100% protection," he said.

Light/House exhibition opens



At the launch were (from left) Dean of the Adelaide University Architecture School Tony Radford, Vice-Chancellor Mary O'Kane, Federal Minister for Foreign Affairs Alexander Downer, and Finnish Ambassador to Australia Esko Hamilo.

A major exhibition of contemporary Australian architecture has opened as part of the Telstra Adelaide Festival 2000.

The Light/House exhibition at the Festival Centre plaza showcases lightweight houses designed by 16 award-winning Australian architects.

All the designs relate to the work of the great Finnish architect Alvar Aalto in their use of experimental materials and their suitability to the local environment.

Light/House is presented by Adelaide University's School of Architecture, Landscape Architecture and Urban Design, the Alvar Aalto Museum in Finland and the South Australian Chapter of the Royal Australian Institute of Architects.

The Finnish Ambassador, the Honourable Esko Hamilo, who attended the opening, said the exhibits brought forth the spirit of humanism and experimentation that characterised Alvar Aalto's work.

The exhibition's major sponsors are Gerard Industries (through Clipsal) and Steel Building Systems International, with support from the State Government's Business Networks Programme and Luminis.

Professor Tony Radford, exhibition curator and Dean of the School of Architecture, Landscape Architecture and Urban Design, said four years of planning had gone into the project.

About 30 students from Adelaide University and the University of South Australia were involved in helping to put it together.

Among the exhibits are work by three Adelaide University graduates, Phil Harris and Adrian Welke of Troppo Architects, and Max Pritchard.

The University's Alumni Association helped organise the series of public conversations taking place in conjunction with the exhibition.

Light/House will tour nationally later this year and internationally from next year.



Roma

I'm sorry I never got around to asking our former Chancellor why her parents named her Roma. It always seemed to me a most suitable name for someone whose manner could be so imperious, evoking in several of her distinguished roles, memories of empires long ago.

Behind that imperious and often terrifying manner was a woman of great compassion, integrity, intelligence, loyalty and humour. She was a stylish public figure who was a role model for generations of Australians. Above all, as the first chair of the Human Rights Commission, first woman to be Chancellor of an Australian university, first woman to be a Supreme Court judge in Australia and first woman to be Governor of an Australian state, she represented change.

She had a keen understanding of how change—even change that seems obvious in hindsight—can be deeply frightening at the time. The imperious manner was often deployed to brilliant effect when she was dealing with the scaremongering and humbug that is often used to resist necessary change.

Dame Roma touched the lives of many South Australians with her public calls for social justice. As Governor she embodied dignity and grace. Her popularity crossed all age groups; she was a hit with children, a champion of those her own age and a mentor or provider of sound counsel to so many in the middle of their careers. I've been constantly amazed at the number of people whose lives she touched in some very personal and treasured way.

Just as several people were special to Dame Roma, so too were certain institutions. 'Our university', as she called it, was one such institution. It had been an important part of her life and she was determined that it should flourish and prosper.

Her connection with the University was a long one. She'd been an active participant in student life in the 1930s and reminisced later about climbing over the University gates in a ball dress near midnight. She was a part-time lecturer in matrimonial law. She joined the University Council in 1965, became Deputy Chancellor in 1972 and Chancellor in 1983, a post she held until her appointment as Governor in 1991. After leaving Government House she renewed her close contact with the University. She was a founding trustee of the Don Dunstan Foundation, gave a graduation address in May 1999 and chaired our 125th anniversary debate last December.

I particularly appreciated the advice she gave me on a range of issues. This advice was often unsolicited. Dame Roma had a particular knack for knowing what might be troublesome and would often contact me offering words of encouragement and, most appreciated of all, a sharp, humorous interpretation of what could be happening and the personalities involved. As a result I'd often find myself grinning helplessly in what should have been a most serious and awful meeting as I thought of Dame Roma's characterisation of the situation.

I'll miss Dame Roma for lots of reasons. Above all, I'll miss the impish humour lurking behind the imperial manner.

MARY O'KANE

Myth and mysteries of crystals

CRYSTALS restore energetic balance and open energy channels. They contain life force. And, they gradually dissipate the energetic clouds and other blockages that obscure your natural radiance.

At least this is what people selling crystals as "healing" tools claim.

In this special feature for the *Adelaidean*, Adam Barclay takes a closer look at the real powers of the crystal:

In recent years, as the New Age movement has begun to enter the mainstream, many people have rejected western medicine in a search for "natural" remedies. New Age shops—both real and virtual—are springing up everywhere. The Adelaide Yellow Pages has a section devoted to "New Age Products and Services" and the World Wide Web is littered with sites selling everything from crystals to Feng Shui.

Take a closer look at crystals, though, and it is hard not to be at least a little cynical. New Age shops sell quartz—silicon dioxide, one of the most abundant and widespread minerals on earth—for anything from \$5 for an uninspiring, walnut-sized crystal to upwards of \$100 for larger, more aesthetically pleasing pieces. This is up to ten times the price paid by Adelaide University's Geology Department for similar stones—a pretty impressive marketing strategy.

As for healing properties? Says Gerald Butfield, the Geology Department's collection manager, "I've had a quartz crystal sitting on my desk for years and it hasn't done a thing. For me, the Hope diamond has healing powers."

There is a dearth of information on exactly how and why crystals heal. On the rare attempts at explanation, the piezoelectric effect is often touted. The piezoelectric effect is a property of some crystals where, under stress (squeezing or stretching), the crystal will exhibit an electrical charge. This trait is extremely useful in that it allows pressure on a crystal (or, more



Adelaide University Geology Department senior lecturer Dr John Foden contemplates the real power of crystals. Photo: Ben Osborne

commonly, a thin slice of crystal) to convert pressure into voltage and is the basis of many technologies, from watches to microphones.

According to Dr Murray Hamilton of Adelaide University Physics Department's Optics Group, however, it is unlikely that a crystal carried or worn on the body for healing purposes will show the effect. "If you stick it around your neck I don't see how it's going to get squeezed," he says.

Some New Age explanations also mention radiation. Crystals do indeed emit thermal radiation—but only by virtue of their possessing temperature. In this way crystals are "no different from anything else at the same temperature—including our own bodies," says

Dr Hamilton.

Nor are crystals rare. Almost every solid on earth has some crystalline component. Billions of years ago the earth was a red-hot lump of molten rock. As it cooled, and the liquid turned to solid, certain atoms arranged themselves in regular, repeating arrays. This has occurred within the earth's crust repeatedly over the intervening time. Solids possessing this lattice structure are crystals. Some of these display the smooth faces and precise angles of classical crystals, but many do not. Says Dr John Foden, of the Geology Department, "Crystals are everywhere. It is not a unique or unusual state, we just occasionally come across nicely formed ones—only size distinguishes these."

Crystals are, however, essential in much of Adelaide University's research. They are used in various ways in almost every one of the Science Faculty's departments. The Geology Department makes use of zircon crystals (zirconium silicate) to date rocks. Zirconium has an affinity for uranium, which breaks down over long periods of time to lead. By analysing the relative proportions of different uranium and lead atoms, a rock's age (up to billions of years) can be approximated.

Crystals are also used in some lasers to amplify light into a concentrated beam. Dr Hamilton's research aims to develop an extremely high-power, stable laser that will be used to search for ripples in space-time. The laser relies on a synthetic garnet crystal, known as Neodymium-doped Yttrium Aluminium Garnet.

Many people would argue that there is no problem selling crystals as healing tools. Whether they really work or not, the belief itself can sometimes be enough, and no doubt many crystal vendors believe in what they sell. At its worst, though, this is a marketing scam. Some people are making money selling products at inflated prices and making claims that cannot be reasonably substantiated.

One website claims that if you wear a quartz necklace (but only one of those that you can buy through that site which are, of course, superior to any others), "all aspects of your life improve". This is a big call. If a pharmaceutical company was to claim one of its drugs did that, they'd be in court before you could say, "vibrational life force".

Above all else, though, crystals—like every natural phenomenon—are truly fascinating. But it is the truth that is awe-inspiring, not the quick-fix fiction.

The Geology Department's Tate Museum includes extensive crystal displays. It is open to the public between 9am and 5pm weekdays.

—Adam Barclay

Burning Issues for ACTA

UNIVERSITY radio station 5UV and the Adelaide Convention and Tourism Authority (ACTA) have joined forces to give conference organisers the chance for their events to be heard around the world.

Under the scheme, known as *Burning Issues*, a radio segment of up to one hour dedicated to the promotion and discussion of key themes and issues of conferences.

Burning Issues is a terrific opportunity to promote conferences via simultaneous broadcast on Radio 5UV in Adelaide and worldwide on the Internet, according to ACTA's Business Development Manager Universities, Ms Lyndal Sterenberg.

"By working together with an experienced 5UV interviewer, producer and executive producer, members of your conference organising team can develop a live-to-air program and spot announcements," she said.

"*Burning Issues* would contain a 10-12 minute documentary segment, followed by a panel discussion with key speakers and experts, either as studio guests or linked online from interstate or overseas.

"Feedback and questions can also be aired live from listeners worldwide by phone or email.

"The program can be linked to your conference website and even made available on CD for conference delegates."

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Just the same old thing?

THIS year's Adelaide Festival features little in the way of "new" performances—instead, performers are performing "old" works in new ways, according to director and Adelaide University graduate Robyn Archer.

Ms Archer made the comment as a keynote speaker at the Narratives for a New Millennium conference, held at the Art Gallery of South Australia between 23-27 February.

The conference was presented by the Discursive Construction of Knowledge Group, and was convened by Adelaide University Department of Psychology senior lecturer, John Kaye.

Ms Archer told the conference in her speech titled "I've Heard That One Before - Reworking The Classics For A New Century" that there will be 37 new works at the Festival—but with many of these based around "old" ideas.

Some examples of this include the Australian Dance Theatre's deconstruction of *Swan Lake* titled *birdbrain*, Theatre Kantanka's version of *Odyssey*, and John Rodgers' "aural cartography" of Dante's *Inferno*.

The theme is also exemplified by the Festival's major attraction, the opera *Writing to Vermeer*, written by Peter Greenaway with music by Louis Andriessen

"Is there anything like a new idea, or are we always just changing from the old to the new everytime we think we have created something new?" she asked.

"More importantly, could we recognise a new idea?"

The Narratives for a New Millennium conference concerned the broad theme of the contribution new ideas emerging from contemporary discursive, postmodern, post-structuralist and critical thinking can make to



Robyn Archer. Photo: Ben Osborne.

the understanding of personal, social and cultural life in the new millennium.

The conference also sought to address what contemporary social sciences, liberal arts, education and helping professions could offer a range of issues, including:

- The understanding of social process, organisation and change;
- The construction of a viable politic and social theory for the post-millennial world;
- The fashioning of equitable social and political policy;
- The understanding and fashioning of contemporary culture;
- The facilitation of socio-cultural change/transformation;
- The understanding of individual, social and cultural problems.

Major keynote speakers at the conference included North Americans Jane Flax, Charles Lemert and Gayatri Chakravorty Spivak, Norwegian Tom Andersen, the UK's Wendy Stainton-Rogers, and Australians Jackie Cook and Eva Cox.

NEWS

IN BRIEF

BOOK LAUNCH

Former Prime Minister Gough Whitlam will be in Adelaide on Sunday, 2 April as a guest of the South Australian Chapter of the Don Dunstan Foundation.

He will launch a new book on Don Dunstan titled "Don Dunstan. Politics and Passion. Selected Essays from the Adelaide Review" as part of the foundation's Sunday Lunch sessions for 2000.

The launch will take place at Charlick's Feed Store Restaurant and Wine Bar, Ebenezer Place from 11.30am until 2.30pm.

Seating numbers are strictly limited - phone Alison at the Don Dunstan Foundation on 8303 3364 for more information and bookings.

SENDING HUMANS TO MARS

The architect of a plan to send humans to Mars within 10 years will deliver a public lecture at Bonython Hall on Wednesday, 15 March, at 7.30pm.

US astronautics expert Dr Robert M. Zubrin will deliver the address as part of a contribution to the Adelaide Festival by the Australian Institute of Physics and Adelaide University's Centre for Biomedical Engineering.

Dr Zubrin, who holds Masters degrees in Aeronautics and Astronautics and a doctorate in Nuclear Engineering, has written more than 100 published technical and non technical papers in the field. He is the founder and president of the Mars Society, an international organisation dedicated to furthering the exploration and settlement of Mars by public and private means.

Admission is free.

Paitya dancers welcome first-year medicine students

FIRST-YEAR Adelaide University medicine students received much more than an introduction to their course during O Week last month—they were also welcomed by traditional owners of the land on which the university is situated, the Kaurna people.

Three members of the Paitya Dancers gave an electrifying and emotional performance to traditionally welcome the 125 first-year students to not only Adelaide University, but in the case of international and overseas students, the city of Adelaide itself.

Professor of General Practice, John Marley, said the performance was a turning point for the university's medical school, marking the introduction of a new medicine curriculum.

"We are starting Curriculum 2000," he said.

"This new curriculum has a much bigger focus on Indigenous culture and Indigenous health—and there are a whole lot of components, that weren't there in the old curriculum, which acknowledge and welcome the culture.

"The welcome did mark a very clear turning point for the medical school in terms of recognition and Indigenous health.

"It was entirely appropriate that at the start of Curriculum 2000, the curriculum should be launched, if you like, with the Aboriginal welcome.

"It (the welcome) was electrifying, I think—the sort of words have students have given to me was that it was very emotional.

"Overall, the feedback has been just stunning—it is one of those occasions where



The Paitya Dancers. Photo: Ben Osborne.

superlatives really do fail you."

The Paitya Dancers' welcome was also extremely relevant in the fact of Adelaide University's push to recruit more Indigenous students to the medicine course.

It has received Federal funding to employ Indigenous and rural student recruitment project officer, Ms Natalie Harkin, who is developing a strategy to boost Indigenous numbers in medicine.

She said the traditional welcome was particularly important for international students.

"Many overseas students can come over here and study for a few years, return to their home countries and not know an Indigenous Australian culture exists—so this Kaurna welcome can mark a really important occasion for them, welcoming them to the land," she said.

"It's a mark of respect to all people who come to Adelaide, welcoming them to the land from an Indigenous perspective. It was also very significant for our Indigenous Medicine students".

—Ben Osborne

University staff honoured

Three Adelaide University staff have been honoured for their scientific research under a new initiative of the Australian Institute of Political Science (AIPS).

Professor Peter Rathjen, and Doctors Graham (Gus) Nathan and Sarah Robertson were three of six "Tall Poppies" announced at a ceremony in Botanic Gardens on 25 February.

The AIPS's Tall Poppy Campaign recognises excellence in scientific research which has taken place largely in Australia, and which leads to not only the commercialisation of that work, but advances in health and human welfare.

Professor Rathjen is Head of the Department of Biochemistry at Adelaide University, and has an international reputation in the areas of molecular genetics and mammalian reproduction.

His research on the control of stem cell differentiation has important implications for understanding the molecular basis of animal development, with applications of his research involving



Adelaide University's Tall Poppies (from left): Doctors Gus Nathan and Sarah Robertson, and Professor Peter Rathjen. Photo: Ben Osborne

the development of new gene and cell therapies for human disease.

Dr Nathan is senior lecturer at the university's Department of Mechanical Engineering, and supervises a large research group which has close links with an industry partner, Fuel and Combustion Technology, and combines fundamental research with industrial development aimed at improving combustion.

Dr Robertson is a Research Fellow in the university's Department of Obstetrics and Gynaecology, where her research into the maternal immune response to pregnancy has brought her international recognition.

Her research involves the female immune response to semen, and its consequences for embryo implantation.

—Ben Osborne



The Minister for Government Enterprises, Hon Michael Armitage speaking at the launch of Adelaide University's new Masters degree in Science & Technology Commercialisation which is being offered in association with the University of Texas. Seated (from left) are Professor Ian Young, Executive Dean, Faculty of Engineering and Mathematical Sciences; Professor Reg Coultts, Academic Course Convenor; and Ian Creagh, Director, Student and Staff Services Division.

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COMMENTARY

STATECRAFT, AUSTRALIA AND
THE FUTURE OF INDONESIA

From Page 2

The peoples of West Kalimantan, Ambon, Irian Jaya, Ache, and other Indonesian provinces have been transferred from Dutch ownership to Indonesian rule. No self-determination took place. The resources: oil in Ache and gold in Irian Jaya, rain forest in West Kalimantan and Irian Jaya, along with other provinces, are being converted to luxury cars and apartments in Jakarta. It's a fact that can be justified through the Indonesian national ideology of Pancasila. Very little of the income is sustainable, and even less is returned to the people that were displaced or who had their subsistence lifestyle undermined by the destruction of their environment. As Tim Flannery warns in 'Throwim Way Leg': "Indonesia will then face a civil war that will make East Timor look insignificant by comparison (p. 225)."

What can be done? An irrational politician will either ignore the problem and continue to celebrate the past 'triumph' or 'victory', as they understand it, that is East Timor. This may provide enough electoral support to win them another term. Or beginning a domestically targeted public campaign to embarrass and belittle the Indonesian state in order to prove themselves a champion of human rights and self-determination could also win them popular support. Neither option, however, has much to do with a solution.

Statecraft is the answer. A statesperson being proactive and also understanding of the limits of diplomacy and domestic politics could consider several options. Given the momentum and speed of change within the Indonesian state it wouldn't be too much of a push to suggest a federation which could allow for a greater diffusion of power—the deconstruction of the centralised state. A more radical option is the proposition that would see Indonesia disappear. The pre-Dutch boundaries are still there and continue to produce fault lines in the 51 year old post-colonial Javanese state. Why not put it to the 'Indonesian' people? An Australian statesperson would.

Jonathan H Ping
Doctoral Candidate
Politics Department

Interview: Edwina Cornish

Professor Edwina Cornish, formerly a biotechnologist with Florigene Ltd, is Adelaide University's new Deputy Vice-Chancellor (Research).

She discussed her appointment with *The Adelaidean*.

What's your impression of the research environment within the University?

Some of the University's research activities—plant breeding and biotechnology—were already familiar to me and, in fact, one of the attractions of the DVCR position was knowing I would be working with some of the world's best plant scientists. However, in the three weeks I have been here I have had a chance to talk to a number of researchers in other fields and I can honestly say that I am tremendously impressed with the quality of the research going on here.

What are your priorities?

Since I arrived I have been developing my ideas as to what I can do to support the Faculties achieve their research and research training targets. The University has always been very successful in attracting competitive grants and obviously I want to make sure we continue to succeed in this area. At the same time we need to increase our revenue from contract research and consulting activities and I want to put in place new mechanisms to better support these activities. I am also reviewing our research training programs and marketing strategies to



Professor Edwina Cornish

ensure that Adelaide is widely recognised as "The Place" to undertake research training.

How do you see research funding in Australia changing over the next decade?

There is no doubt that universities will receive less and less financial support from government. It is therefore essential that we ensure that we become more and more financially independent. In my view this is an exciting challenge.

Why has Australia been so good at research but not so good at commercialising it?

This is not an easy question to answer - if there was an obvious answer we would probably have done something about it by now! As a nation we have been able to maintain a relatively high standard of living from commodity products which are produced by a relatively small segment of the community. This has probably worked against the development of a culture where individuals feel motivated to take personal risks to develop their own businesses. For this reason there is not a large pool of people with experience in developing new companies, although this is changing.

How do you respond to those who argue against the commercialisation of university research?

University research has always contributed to commercial inventions. I will be working to ensure that in the future the University's contribution to commercial ventures is recognised and rewarded.

Where do you see the opportunities for research growth at Adelaide University?

It's a bit early for me to answer this question. We should continue to build on our strengths while at the same time looking for new opportunities. Water management is going to become increasingly critical to the well-being of the planet and is an area I would like to see the University as an international force for change.

Sheep Development Centre appointment

A PROJECT manager has been appointed to the new Sheep Industry Development Centre (SIDC) located at Adelaide University's Roseworthy Campus.

Ms Cheryl Pope (pictured right) has been involved in the sheep industry around Australia for more than 10 years, working on an extensive grazing property in south-west Queensland, Advanced Breeding Services in New South Wales and most recently as field operations manager in Western Australia for the Woolmark Company.

"I have a real desire to work with sheep producers to help them determine what will make a difference to their enterprise and to determine potential pathways," she said.

"This is an exciting new project, focussed on coordinating industry resources to service both the wool and sheep meat industries.

"The centre has considerable flexibility, a dynamic leadership team and enthusiasm I am

sure will be infectious."

The SIDC will focus on developing and communicating training and educational opportunities for, and in conjunction with, wool and sheep meat producer growers.

It has a number of stakeholders including research, education, producer and commerce groups, and will provide a "whole of industry" approach to address their needs.

The Sheep Industry Taskforce Report completed last year showed low levels of technology adoption and variability in commodity prices, all triggers for producers to look closely at their enterprises and alternatives.

Head of Adelaide University's Department of Animal Science, Professor Phil Hynd, said exceptional productivity gains achieved by a small section of the industry should be a catalyst for producers to explore their options.

"Through the centre's main funding partners, PIRSA (Primary Industries and Resources SA),



SARDI (South Australian Research and Development Institute) and Adelaide University, we will be demonstrating the benefits of using new technologies and practices," he said.

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Seminar: Impact
of Aboriginal
languages

A SEMINAR looking at the impact of Aboriginal languages on Australian English will be held at 6pm on Monday, 13 March in the Adelaide University Council Room (Level 7 of the Wills Building).

Foremost international linguist Professor Gerhard Leitner will present the seminar, which is part of the university's Centre for Intercultural Studies and Multicultural Education's (CISME) Autumn Seminar Series for 2000.

Professor Leitner is Professor of English Linguistics at the Free University of Berlin in Germany, and is the author of books, monographs and papers based on his international research projects on language and society in Australia, India and Great Britain.

He is the author of "Australia's Many Voices: English, Indigenous, Migrant and Contact Languages" (published in Germany), and the "Bibliography of English and Its Interaction with other Immigrant and Indigenous Languages in Australia and New Zealand - 1788-1996".

Contestants
wanted
for ABC quiz

Do you consider yourself a general knowledge expert? If so, here's your chance to test your abilities in front of a live studio audience.

ABC TV is seeking contestants - as well as audience members - for Flashdance, the first quiz show it has produced in many years.

Produced in the ABC's Collinswood studios and hosted by Philip Clark, Flashback will delve into the historical events that shaped the nation. Contestants will be tested on aspects of the most significant, and funniest moments in Australian news, current affairs, music and television history.

Flashback will be broadcast nationally on ABC TV from Monday to Thursday at 6pm.

To register as a contestant or audience member, phone Sophie, tel. 8343 4958.

Mutual Community Postgraduate Travel Grant

The Mutual Community Postgraduate Travel Grant is available to assist doctoral candidates (a) to travel to a conference at which the student will present his or her work, or (b) to travel to another institution to learn a particular method essential to his or her own work (which cannot be learned at Adelaide). Such travel may be undertaken within the state, within Australia, or overseas.

Application forms may be obtained from the Alumni Office, 44 Kintore Avenue, Adelaide (next to the Hartley Building), or requested for delivery through the internal mail, or downloaded from the University's email Bulletin Board, Scholarships website and Alumni website.

The Selection Committee will not normally provide retrospective support for travel already undertaken. The Selection Committee will not normally support an application for a doctoral candidate in his or her first year of enrolment for that degree. Grants are made on the condition that they are used for the purpose stated in the application.

Further information from Kathy Butler at the Alumni Office; telephone 8303 3196 or email <kathy.butler@adelaide.edu.au>

APPLICATIONS should be received at the Alumni Office no later than 5:00 pm Friday 28 April 2000.

The selection committee will consider applications and notify the successful candidate during May. All applicants will be notified of their success or otherwise.

The Mutual Community Postgraduate Travel Grant is made available by the Alumni Association. The Mutual Community Postgraduate Travel Grant is funded through a cooperative project between the Alumni Association and Mutual Community health insurance providers.

Applicants should note that a period of absence from the University requires approval by the Registrar, Graduate Studies. Please obtain a Leave of Absence Form "AS" from the Graduate Studies Branch and lodge it with them.

Premier's Scholarship winner

EIGHTEEN-year-old Anita Hagger has had to come to the city to learn more about the country.

The Willalooka woman is studying the first year of a Bachelor of Agricultural Science degree, after being awarded the Premier's Scholarship in Biological Sciences. The differences between Willalooka (located south of Keith in the State's south-east and with a population of approximately five) and Adelaide (population: more than one million) are obviously extreme, but Ms Hagger has no doubts where her heart lies.

"I'd like to get back to the country areas to help farmers out, because they've got things pretty tough at the moment," she said.

"I'm not really sure about what I'm going to do at this stage: I'm interested in plant breeding so I might look in to that and see how that can help farmers, particularly in areas of high salinity."

Studying in the big city is a far cry from 12 years of travelling 45km to and from the Keith Area School every day from the Hagger property called Witinga, which is located near Willalooka.

Her Agricultural Science degree with honours through the Faculty of Agricultural and Natural Resource Sciences will take four years.

The Premier's Scholarship will help enormously: Ms Hagger will receive a living



Willalooka woman, Anita Hagger, is embarking on a four-year Bachelor of Agricultural Science degree at Adelaide University, with help from a Premier's Scholarship in Biological Sciences. Photo: Ben Osborne.

allowance of \$10,000 per annum for up to four years and full fee remission for the duration of the course under the scheme.

In 1998, Adelaide University unveiled a multi-million-dollar scholarships package which aimed to retain the brightest South Australian students in the State, and attract excellent

students from interstate and across the globe.

Included in the package were three Premier's Scholarships sponsored by the State Government to support students studying in areas important to South Australia's future.

—Ben Osborne

Searching for more 1950 Alumni

THE ALUMNI ASSOCIATION is looking for the addresses of its missing 1950 Golden Jubilee Graduates.

If you know the whereabouts of any of the following, could you please contact Kathy Butler on (08) 8303 3196 or email: kathy.butler@adelaide.edu.au

- Degree of Bachelor of Agricultural Science:**
 Kleinig, Cyril Raymond
 Degree of Bachelor of Engineering:
 Allardice, John Graham
 Bath, Donald James
 Craig, William Alexander
 Davis, Kingsley
 Hillier, Howard Armstrong

- Mitchell, William Robert
 Murray, Noel William
 Reed, Robert David Geoffrey
 Sweeny, Murray Frank

- Degree of Bachelor of Music:**
 Giles, Allan Leonard
 Diploma in Secondary Education:
 Altus, Rudolph Herman MA (Melb)
 Bartleet, Nancy Irene BA
 Carthew, Lancelot BA
 Donnellan, Teresa Marie BA
 Elder, Audrey Olive BA
 Hickey, Kathleen Veronica BA
 Higgins, Alfred James BA
 Marshman, Ashley Mead BA
 Mules, Betty Lavina BA

- Ockenden, Garth Palmer
 Diploma in Primary Education:
 Davis, Robert Bruce BA
 Gent, Alan Franklin BA
 Glynn-Roe, Wilfred Joseph
 Keynes, Nanette Joan BA
 Lynch, John Henry BA
 Traeger, Keith Terence BA
 Twartz, Clement Wilford

- Diploma in Arts & Education:**
 Ashton, Walter Ray
 Baker, Harvey Laurence
 Buick, William George
 Campbell, Barbara
 Charlesworth, George Harvey
 Considine, Thomas John

Help us to keep in touch

We are currently working hard to update our database in the Alumni and Community Relations Office so we can keep in touch. If you are a current student, graduate, former staff member or a friend of the University we would love to hear from you.

We would also like to put you on our mailing list for complimentary copies of *Lumen*—the feature magazine of the University of Adelaide. *Lumen* highlights the University's initiatives and successes and celebrates the work of its scholars, staff, students and graduates. Through *Lumen*, we hope to be able to keep you better informed about developments within the University, those aspects of University life of particular interest to you, and to enable different groups to keep in touch with each other as well as with us.

If you would like to receive your complimentary copies of *Lumen* please complete the form. If you know of anyone else who is a student, graduate, former staff member or friend we would love to have their details so they can receive *Lumen* too.

All information provided on this form will be added to the University's Alumni and Community Relations database and will be used for University purposes only.

Your details:
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 Family Name
 Former Family Name (if applicable)
 Given Names
 Address
 State..... Postcode Country
 Phone Hm () Wk ()
 Fax ()
 Email

University of Adelaide Degree(s):

Qualification	Course	Year of Graduation
.....
.....

 Other Degrees or Qualifications:

Institution	Qualification	Year of Graduation
.....
.....

 Membership of professional bodies or associations:

Please tick if you are:
 Former Staff Graduate Other

Career Details: Please tick if you are:
 Still studying Taking time out Self employed
 Unemployed Family commitments Retired
 Employed

Work Details:
 Employer:

Interests:
 Comments or Questions:

A friend's details:
 Prof/Dr/Mr/Mrs/Ms/Miss/other title
 Family Name
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University of Adelaide Degree(s):

Qualification	Course	Year of Graduation
.....
.....

 Other Degrees or Qualifications:

Institution	Qualification	Year of Graduation
.....
.....

 Membership of professional bodies or associations:

Please tick if your friend is:
 Former Staff Graduate Other

Student Student/Staff No.(if known)

Signature Date

Please send this form to: Director, Alumni & Community Relations, Alumni House, University of Adelaide SA 5005.

Concert series



Adelaide University Elder Conservatorium Honours student and pianist Leigh Harrold will team with exciting percussionist Nick Parnell for one of the performances in this year's Elder Hall Lunch Hour Concert Series.

ONE of the most popular traditions in the State's fine music calendar begins its 2000 season at 1.10pm next Friday, March 24 at Adelaide University.

The Elder Hall Lunch Hour Concert Series will be launched by a trio of distinguished artists from the Elder Conservatorium comprising Lucinda Collins (piano), Keith Crellin (viola) and David Shephard (clarinet).

The 2000 series will feature outstanding musicians, large ensembles and graduates together with visiting artists from interstate and overseas.

International artists Berent Korfker (violin) and Kana Yamaguchi (piano) from the Netherlands will perform an exclusive Adelaide concert on March 31 as part of their Australian tour. Korfker plays the "King Maximilian Joseph" Stradivarius violin built in 1703, offering local audiences a rare opportunity to listen to this famed beautiful sound.

Visiting artists from interstate include Mark Mogilevsky (violin) and Elena Mogilevsky (piano) from Melbourne, both of international repute and with extensive international experience in Leningrad, Moscow, St. Petersburg and Paris. Mark is Associate Concertmaster of the Melbourne Symphony and both currently teach at the Victorian College of the Arts.

Lance Coburn, a distinguished graduate rapidly developing as one of the leading Australian pianists of the younger generation, returns to the Elder 'Con' after recent study at the Moscow Conservatoire.

Percussionist Nick Parnell, a First Class Honours graduate teams with current Honours student Leigh Harrold (piano) to present an engagingly accessible program of 20th century repertoire for percussion and piano. Nick and Leigh are winners of the 1999 Elder Conservatorium Classical Music Awards.

The concerts will be held in Elder Hall every Friday at 1.10pm until 16 June. Admission is \$3.00 and tickets may be purchased from the door at 12.30 pm.

Canadian music ensemble

CANADA'S leading new music ensemble is now rehearsing at Adelaide University's Elder Conservatorium in preparation for a major event at the Adelaide Festival.

The 16 members of *Nouvel Ensemble Moderne*, known the world over as "le NEM" and their conductor, Lorraine Vaillancourt arrived from Montreal in early March and were welcomed by the High Commissioner and Consul General of Canada, and members of staff at the University.

The NEM is in Adelaide for Forum 2000, a major two-week musical event running from 7-18 March and featuring new works from young composers around the world. It is the first time the event has been held outside of Canada.

The event will feature work from four young composers from Australia, Canada, Portugal and the UK, who were chosen by an international jury from a field of some 180 entrants world-wide.

One of the composers will be announced as the forum winner during the final-night performance on 18 March.

All four works will be given their premiere performances, with the international jury and also all members of the audience casting their votes on which they think is best.

Adelaide University Vice-Chancellor Professor Mary O'Kane will announce the final decisions and make the presentation to the winner(s).

Also involved in Forum 2000 are Elder



Nouvel Ensemble Moderne conductor Lorraine Vaillancourt puts the NEM wind section through its paces at a Forum 2000 rehearsal on Tuesday, 7 March. Photo: Ben Osborne.

Conservatorium ensembles LIGHTS and Elder New Music, directed by Grahame Dudley, who will join with the NEM under Lorraine Vaillancourt to play the festival's commissioned work.

This collaboration will perform work by Australian Quentin Grant, and "Dancing with Lights" by Canadian composer Denis Gougeon (which has been commissioned by Radio Canada).

All the rehearsals and composer forums being held as part of Forum 2000 are open to anyone wishing to attend—contact the

Conservatorium for details or simply visit Elder Hall.

The 18 March concert is being broadcast by ABC Classic FM, while ABC TV is also making a documentary of the whole event at the Conservatorium which focusses on the experiences of the four visiting composers.

The final performance will be held in Elder Hall, from 6pm on Saturday, 18 March. Tickets are \$30/\$26 for friends/\$22 concession, with bookings available at BASS on 131 246.

—Ben Osborne

Up, up and away on a team-building flight for Engineering students

An aerial battle involving over 30 paper airplanes marked the end of Week 1 activities for 300 Engineering students at Adelaide University.

The "battle" for a cash prize of \$1500 was the culmination of a week-long team-building exercise, which saw students break into teams to design and build paper aircraft. Each team was vertically integrated, drawing students from all year levels.

Teams were supplied with cardboard, glue and paper and given a set of competition specifications.

As well as designing and building a plane, they were required to submit a written report on their project.

Team performances were judged on time in the air of constructed aircraft, distance travelled, originality of design, quality of documentation, and teamwork and organisation.

Flight trials took place at the Graduates Oval on Mackinnon Parade before a judging team comprising Professor Ian Young, Faculty Dean; Stephen Shoemaker, Esso (the competition sponsors); and Stuart Tibbits, Mitsubishi Motors Australia Ltd.

Dr Scott Snyder, Acting Head of the Department of Mechanical Engineering, said the feedback from students had been very positive.

"It's the first time we've done anything like this and it seems to have been successful," he said.

"Students valued the interaction that took place within the teams. It was a good opportunity for them to mix with other Engineering students and enhance their basic engineering skills.

"All afternoon classes within the Department were cancelled during Week 1 to allow them prepare for the competition.

"The team-building seems to have worked very well and we'll be looking at doing more of this in future."

The winning team consisted of Kim Hill (captain), Sam Borich, Minh Van Tran, Michael Waite, Nicholas Herath, Allan Broadbent, Daniel Willersdorf, Quinn Mackie, Jason Sutton, Michael Nielsen and Benjamin Davy.

—John Drislane

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AVAIL: 3 br, sitting, dining & family rms, 2 bathrms, fully furn, close to transport, schools & Hazelwood Pk. No pets, lawns mown. \$300 pw + bond. Ph 8303 5080 or 8431 2690 ah.

EASTERN SUBURBS: Female, non smoker, to share furn house with present tenant. Own br/lounge/ phone, all mod cons, lock-up garage. \$90 pw. Ph 8332 9973.

EASTERN SUBURBS: 2 br unit, fully furn & equipped, suit visiting academics (2-3 people). Avail now. \$280 pw (depending on how many & term). Rent includes utilities. Ph 8332 4814 or email: <dryland@senet.com.au>.

HOUSE SITTERS: Retired couple avail 1 Apr - 31 Aug 00. Care for pets if neg; refs avail. Ph 8271 1535 or 0413 335 918.

OXFORD, ENGLAND: Lge furn family house avail 9 July for 8 weeks. Non smokers; £150 pw. Email: <tod@maths.ox.ac.uk> or fax Dr Braddock 44 1865 249 673.

PARKSIDE: 2 br, fully furn villa with lge study suit visiting academic. Close to all facilities; term neg. \$230 pw. Ph 8222 6515 or 8379 8696 ah.

PROSPECT: Modern 2 storey townhouse, 3 br (b-ins), ducted air cond, lock-up garage with internal access, fully furn (would consider semi-furn). Avail 23 March. length/rent neg. Ph/Fax 8265 3485.

PROSPECT: Lge br (polished floorboards, bed avail) in lge house. Share with 1 male & 1 female (uni grads), off-street parking. \$70 pw. Ph 8342 1649 or 0403 002 477.

ST PETERS: 2 br apartment, fully furn, walk to Uni, avail

Adelaidean CLASSIFIEDS

May - Jul 00. \$150 pw. Ph Tom 8363 7464 or 0412 354 500.

SWITZERLAND: Furn flat 4km from Interlaken, on lake with view of Alps. 2 br, lge lounge, can sleep up to 6. Avail for 1 week or more. Ph Liliane 8362 4243.

WALKERVILLE: 2 storey, furn, very private, townhouse avail from May - Dec 00. Suit visiting academic/couple. Along bike trail to city and 10 mins bus to Uni. Ph Andrew 8342 0304 h or 8203 3804 w.

WANTED: Visiting academic requires accomm for family of 5 from Jun - Aug 00. Close to city, courtyard or garden pref. Ph Dr Newcombe 8259 0317 or 8280 7149 ah.

FOR SALE

BMW: 320i 1977, manual, motor & gear box replaced, 45,000km, Alpine stereo system. VKZ 420. \$3,000. Ph Susie 8337 9912 or 0413 736 901.

DINNER SERVICE: Royal Albert "Old English Garden" 48 piece bone China; as new. \$550. Ph 8265 4028.

HONDA CIVIC: 1979 hatchback, reliable, registered. SJO 810. \$800 ono. Ph Sue 8303 4015 or 8365 8710.

LAPTOP: Pentium 120, 1.4 GB HDD, colour monitor, 16MB RAM, sound, case, as new. \$850. Ph 8338 4152.

LASER: 98 hatch, 1.8 ltr,

under new warranty, 25,000km, 5 spd, air, p/steer, c/locking & more; immac cond. AA 384K. \$19,900 neg. Ph 0411 634 743.

MISC: Queen size bed, 1 year old, \$300 ono. Also misc furn. Ph 8364 1748.

MISC: AcerScan Prisa 310S SCSI scanner, \$200. Wood single bed with mattress, \$100. Sony hi-fi FX C33X, \$440. Philips double deck stereo, \$100. 2 x bean bags, \$30 ea. Sony VCR, \$220. Samsung microwave \$150. Ph 8361 9429.

MISC OFFICE FURNITURE: 6 x black office chairs with 4-pronged base, \$50 ea. 2 x 4-door wooden bench-height cupboards, \$100 ea. x 1 set of bookshelves with glass doors, \$60. 4 study carrels - free. Ph Melissa or Karyn 8303 5836.

PALM PILOT III: As new, purchased Aug 99. Half price

\$300. Ph Kay 8303 3675 or Thalia 8303 3737.

DEPARTMENTAL

POWERMAC: G3266 64/4 GB 17" Sony monitor. Tenders by 31 Mar. Ph Lachlan 8303 6746.

MISCELLANEOUS

LITERATURE SEARCHES: Scientist will perform literature searches, revision of research papers, checking refs. Published work in Aust, UK & USA journals. Ph 8338 0334.

SCUB DIVING ADVENTURE: 16 June - 2 July or 1 - 16 July Alor, Indonesia. Website: <www.jabu.com.au/>.

VOLLEYBALL PLAYERS: Needed for 4-a-side team playing Monday nights in Campbelltown. No exp nec. Ph Andrew 8303 4648.

Bulletin Board

MARCH 13, 2000

ADELAIDE UNIVERSITY

PAGE 1

MONDAY 13 MARCH

1.00pm Microbiology & Immunology Seminar: Hepatitis B virus infection of ducks: a model for the human disease by Dr Allison Jilbert (Hepatitis Virus Research Laboratory, Infectious Diseases Laboratories, IMVS/Microbiology & Immunology). Departmental Library, 5th Floor, Medical School South.

1.00pm Clinical & Experimental Pharmacology Seminar: The pharmacology of cardio-pulmonary bypass by Dr John Russell (Director, Research & Development, Anaesthesia & Intensive Care, RAH). Seminar Room, Level 6, Medical School, North Wing.

4.00pm Soil & Water Seminar: Surviving life in the freezer: soils in the arctic as a microbial habitat by Mark Tibbett (School of Conservation Sciences, Bournemouth University, UK). Room 301, Prescott Building, Waite Campus.

6.00pm Centre for Inter-cultural Studies & Multicultural Education Seminar: The Impact of Aboriginal Languages Upon Australian English by Professor Gerhard Leitner (English Linguistics, Free University of Berlin, Germany). Council Room, Level 7, Hughes Building. Refreshments from 5.30pm. Enquiries: 8303 5788 or email: <saraswathi.karthigas@student.adelaide.edu.au>.

TUESDAY 14 MARCH

3.15pm Anthropology Seminar: Proto-nationalism? Theoretical Issues in Analysing Collective Consciousness pre 1789 by Associate Professor Michael Roberts (Anthropology). Room 722, 7th Floor, Napier Building.

5.30pm Student Workshop: Developing a lifestyle that reduces stress and worry by Mark O'Donoghue. Counselling Centre, Ground Floor, Horace Lamb Building.

WEDNESDAY 15 MARCH

10.10am Electrical & Electronic Engineering Seminar: Evolving Telematics Systems and Standards by Dr Derek Rogers (Motorola Software Australia Centre). Room S112, Engineering South Building.

12.10pm Recitals Australian 2000 Autumn Series: Myung-Hwa Han (piano); Olivia Baker (piano). Adults \$3/Concession \$1. Pilgrim Church, 12 Flinders Street, Adelaide.

1.10pm Geology & Geophysics Seminar: Sequence Stratigraphy and the Australian - New Zealand story by Professor Bob Carter (School of Earth Sciences, James Cook University). Mawson Lecture Theatre, Mawson Laboratories.

COMING EVENTS

March 13th — March 24th

1.10pm Genetics Seminar: Regulation of the G1 to S cell cycle transition in *Drosophila* by Dr Tony Brumby. Seminar Room, Ground Floor, Fisher Building (southern entrance).

4.00pm AFUW SA Inc Open Panel Discussion: The PhD Process: Making Critical Choices by Verna Blewett with reps from PGSA from UniSA, Adelaide & Flinders. Margaret Murray Room, Level 5, Union Building. Enquiries: Christyana Bambacas 8303 3351.

THURSDAY 16 MARCH

12noon IMVS/HCCR Seminar: The NRG fusion gene in T-cell leukaemia by Dr Alex Dobrovic (Haematology/Oncology, QEH). Robson Theatre, Eleanor Harrald Building (adjacent to IMVS Building on Frome Road).

12.05pm Psychology Seminar: The Australian Organizational Psychologist: an update by Dr Neil Kirby (Psychology). Room 527, Hughes Building.

1.00pm Chemical Pathology Seminar: Immune response to replacement therapy by Dr Doug Brooks (Senior Research Fellow, Chemical Pathology, WCH). Seminar Room 1, 4th Floor, Clarence Rieger Building, WCH.

FRIDAY 17 MARCH

10.00am Animal Science Seminar: Companion animal nutrition by Dr Richard Butterworth (Waltham Centre for Pet Nutrition). Room 12, Callaghan Building, Roseworthy Campus.

3.30pm Agronomy & Farming Systems Seminar: Managing climate risk by Melissa Truscott. Seminar Room, Roseworthy Campus.

MONDAY 20 MARCH

1.00pm Microbiology & Immunology Seminar: Getting your point across - communication, comprehension, tools and resources by Mr Mark Fitz-Gerald (IMVS Photo & Imaging). Departmental Library, 5th Floor, Medical School South.

1.00pm Clinical & Experimental Pharmacology Seminar: Toxicity: it's only relative by Dr Nick Buckley (Clinical Pharmacology, RAH). Seminar Room, Level 6, Medical School, North Wing.

1.10pm Law School Seminar: Competition and access to information by Chris Finn. Room

216, Ligertwood Building. Sandwiches provided.

3.30pm ACUE Seminar: Does anybody know what postgraduate coursework is? by Ms Jill Thorpe (recently completed Honours student, Social Inquiry). Seminar Room 2, Level 2, Schulz Building.

4.00pm Soil & Water Seminar: Soil acidity and its management in the maize producing areas of South Africa by Hendrick Venter (Grain Crops Institute of the Agricultural Research Council, South Africa). Room 301, Prescott Building, Waite Campus.

4.00pm Applied & Molecular Ecology Seminar: Optimal fire management for biodiversity conservation in Ngarkat: Has conservation theory failed? by Professor Hugh Possingham. Stephanson Lecture Theatre, Roseworthy Campus.

6.00pm Centre for Inter-cultural Studies & Multicultural Education Seminar: Change and Resilience in the Culture of the Philippines by Mr Ricardo L Penson (President, Defense Resources Incorporated, Philippines/General Manager, DRI Marine Buildings and President DRI Mulmac Development Corporation, Pasig City, Philippines). Hoods Room, 1st Floor, Adelaide University Club. Refreshments from 5.30pm. Enquiries: 8303 5788 or email: <saraswathi.karthigas@student.adelaide.edu.au>.

WEDNESDAY 22 MARCH

10.10am Electrical & Electronic Engineering Seminar: A Complete Operational Amplifier Noise Model Analysis and Measurement of Correlation Coefficient by Dr Jiansheng Xu (Postdoctoral Fellow). Room S112, Engineering South Building.

12.10pm Recitals Australian 2000 Autumn Series: Rachael Tobin (cello); Elena Szczepanowski (violin). Adults \$3/Concession \$1. Pilgrim Church, 12 Flinders Street, Adelaide.

12.30pm Clinical Nursing Seminar: Still Me and Still Doing: 24 older Australians talk about ageing by Professor Tina Koch (Chair in Domiciliary Nursing, RDNS/Flinders University) and Dr Merilyn Annells (Research Consultant, RDNS). Room 36, Level 3, Eleanor Harrald Building, RAH.

1.10pm Horticulture, Viticulture & Oenology Seminar: Viticultural research in Virginia, USA: producing quality grapes in a challenging environment by Professor Tony K Wolf (Virginia Polytechnical Institute and State University, Virginia, USA). Plant Research Centre Auditorium, Waite Campus.

1.10pm Genetics Seminar: Non-specifically primed suppression PCR by Dr Michael Lardelli. Seminar Room, Ground Floor, Fisher Building (southern entrance).

1.10pm Geology & Geophysics Seminar: Metallogenesis of lead-silver-zinc deposits of the Alcudia Valley, Ciudad Real Province, Spain by Dr Ross Both (Geology & Geophysics). Mawson Lecture Theatre, Mawson Laboratories.

1.10pm Student Workshop: 101 tips on improving sleep by Sue Barnard. Counselling Centre, Ground Floor, Horace Lamb Building.

THURSDAY 23 MARCH

12.05pm Psychology Seminar: Are women requesting caesarian sections? Evidence from recent Australian research by Dr Deborah Turnbull (Psychology). Room 527, Hughes Building.

1.00pm Skindiving Club: Shipwrecks along the South Australian coastline by Terry Arnott (Heritage SA). WP Rogers Room, Level 5, Union Building.

1.00pm Chemical Pathology Seminar: Long chain polyunsaturated fatty acids and infant development by Dr Bob Gibson (Children's Health Research Institute, WCH). Seminar Room 1, 4th Floor, Clarence Rieger Building, WCH.

6.00pm CISME Seminar: The New South Africa: The Constitution, Languages Policy and Policy Planning for a Democratic Future? by Ms Kathleen Heugh (University of Cape Town) and Mr Anthony Johnson (Former Political Editor, Parliamentary Correspondent and Political Analyst on South Africa). Council Room, Level 7, Hughes Building. Refreshments from 5.30pm. Enquiries: 8303 5788 or email: <saraswathi.karthigas@student.adelaide.edu.au>.

FRIDAY 24 MARCH

10.00am Animal Science Seminar: Introductory beef cartography by Dr Wayne Pitchford & Professor Cindy Bottema (Animal Science). Conference Room, Davies Building, Waite Campus.

1.00pm Asian Studies Seminar: Japanisation of Asian Economy/Asianisation of Japanese Economy by Dr Sejin Pak. Room 518, Ligertwood Building.

3.30pm Agronomy & Farming Systems Seminar: Calculating assessable water in soils by Cameron Grant. Seminar Room, Roseworthy Campus.

4.00pm Obstetrics & Gynaecology Seminar: Cold mums, bigger babies by Dr Dean Revell (Senior Lecturer, Animal Science). Seminar Room, 6th Floor, Medical School, North Wing.

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 vacancies are not restricted to members of the University.

RESEARCH FELLOW OR POSTDOCTORAL FELLOW (Ref: 1701) (Fixed-term)

Department of Plant Science,
Waite Campus

Salaries: \$49,249 - \$58,484
(Research Fellow)/\$38,414 -
\$46,786 (Postdoctoral Fellow)

This fixed-term position is available from 1 April 2000 to June 2003. Further information, including the selection criteria, may be obtained from Professor Andrew Barr, Department of Plant Science, telephone 8303 6553 or email: <andrew.barr@adelaide.edu.au>.

Applications close 24 March 2000.

NH&MRC RESEARCH OFFICER

(Ref: 4056, 10166)
(Fixed-term)

NH&MRC RESEARCH ASSISTANT

(Ref: 2187) (Fixed-term)

Department of Medicine

Salary: \$34,475 - \$46,786

These fixed-term positions are available immediately until 31 December 2001. Further information including the selection criteria may be obtained from Professor Philip Barter, telephone 8222 5608 or email: <pbarter@medicine.adelaide.edu.au>

Applications close 17 March 2000.

HUMAN RESOURCES DEADLINES FOR ADELAIDEAN

For the *Adelaidean* of 27 March 2000, advertising paper work must be received in Human Resources by 10 March 2000.

For the *Adelaidean* of 10 April 2000, advertising paper work must be received in Human Resources by 24 March 2000.

GENERAL NOTICES

Review of the University of Adelaide Libraries

Call for Submissions

The University is currently undertaking a major review of the University of Adelaide Libraries. Staff, students and members of the community are invited to make a submission to the Review on matters relevant to the Terms of Reference. The primary term of reference for the Review is 'to provide strategic advice on the maintenance of international-standard information services'.

The complete terms of reference can be obtained at the following web address: <http://www.adelaide.edu.au/DVC/reviews/library_review.html>, or by contacting Tim Scoop, Reviews Officer, 8303 5902.

It is requested that submissions be received by Wednesday 26 April 2000. They should be sent to Tim Scoop, Reviews Officer, Room G04, Mitchell Building, University of Adelaide, SA, 5005. Please indicate if you wish your submission to be confidential.

It is possible, time permitting, that those who lodge submissions may be asked to attend an interview session with the Review Committee. Please indicate in your submission whether you are interested in speaking to the Committee if the possibility arises.

PROFESSOR PENNY
BOUMELHA
Deputy Vice-Chancellor
(Education)

Smart Card - Building Access

Due to the implementation of the new software for integration of Card Personalisation and Security, we are experiencing some problems with building access.

Some staff members and students have reported that their after-hours building access is not working. This problem is easily solved.

Any staff or students who find they are unable to gain after-hours access to buildings for which they are authorised are urged to contact Security in the first instance. We can then ascertain if your data has not transferred correctly.

If a problem has occurred, you will be directed to your department's Access Control Delegate for further assistance.

We apologise for any inconvenience caused.

ELIZABETH HARDMAN
Access Control Coordinator
Security Services

Review of the Department of Geographical & Environmental Studies

Call for Submissions

The University is currently undertaking a review of the Department of Geographical & Environmental Studies. Staff, students and members of the community are invited to make a submission to the Review on matters relevant to the Terms of Reference. The primary term of reference is to provide an overall evaluation of the performance of all parts of the Department and to advise on future academic directions.

The complete terms of reference can be obtained at the following web address: <http://www.adelaide.edu.au/DVC/reviews/geography_review.html>, or by contacting Tim Scoop, Reviews Officer, 8303 5902.

It is requested that submissions be received by Friday 8 May 2000. They should be sent to Tim Scoop, Reviews Officer, Room G04, Mitchell Building, University of Adelaide, SA, 5005. Please indicate if you wish your submission to be confidential.

It is possible, time permitting, that those who lodge submissions may be asked to attend an interview session with the Review Committee. Please indicate in your submission whether you are interested in speaking to the Committee if the possibility arises.

PROFESSOR PENNY
BOUMELHA
Deputy Vice-Chancellor
(Education)

Media Marketing & Publications staff changes

There have been some staffing changes in the Media Marketing & Publications Unit since the beginning of the year.

- David Washington in on leave without pay until November.
- David Ellis has replaced John Edge as Editor of the *Adelaidean*.
- Ben Osborne has been appointed as a Journalist, and will be working primarily on the *Adelaidean*. Contact him on ext 35414, <ben.osborne@adelaide.edu.au>.
- Dr Rob Morrison has been appointed Science/ Technology Journalist, with a brief to increase the University's media exposure in these areas. Contact him on ext 33490, <rob.morrison@adelaide.edu.au>.
- Vicki Jarnis has been appointed Web Content Administrator with responsibility for coordinating the Web Scoping Project with Show-Ads Interactive, and for subsequent web development. Contact her on ext 35970, <vicki.jarnis@adelaide.edu.au>.
- Anne Wildy has transferred to the Unit as a Project Officer. Her contact details are unchanged.

Ben Osborne and Rob Morrison are located in Room G07 Mitchell Building, along with John Drislane, David Ellis, Julie Ryke and Pue-San Ng. The Unit also has an office area in the Wills Building. John Edge (Room 641) and Anne Wildy and Vicki Jarnis (Room 643) are located here.

JOHN EDGE
Manager, Media Marketing &
Publications

Missed the deadline?

For all the latest news see the online bulletin boards at <<http://online.adelaide.edu.au>> available to staff and students of the University.

Counselling Centre



WORKSHOPS

- Learn Deep Relaxation
- Developing a Lifestyle that Reduces Stress and Worry
- 101 Tips on Improving Sleep
- Confident Tutorial and Seminar Presentations
- Balancing Family and Relationship Commitments with Study
- Relationships
- The Perfect Procrastinator
- Effortless Exams
- Surviving a PhD
- Coffee, Cake & Conversation

LUNCH TIMES - FREE
BOOK ON 8303 5663 OR
CALL IN

DAILY DROP IN SERVICE

1.00 - 2.30PM Brief
consultations only - no
appointment required

Glassblowing Service

For all your Glassblowing needs in Borosilica Glass up to 100mm OD. Repair work and custom design.

Located in the Department of Chemistry. Phone 8303 4273 or email <brendan.edwards@adelaide.edu.au>.

FRIENDS OF THE WAITE ARBORETUM

All in a Day's Work

Exhibition of artworks by Gilbert Dashorst, 4-19 March, 11.00am - 4.00pm daily. Artworks include botanical and zoological illustration, portraits, landscapes and wine labels. Works for sale. Admission free. Urrbrae House, Adelaide University Waite Campus (enter Fullarton Rd) Urrbrae. Enquiries: 8303 7497.

Association for Tertiary Education Management (SA Branch)

Professional Enhancement

Start of Year Breakfast Function

Date: Wednesday 22 March 2000, 8.00am - 8.30am
(7.45am for 8.00am start)

Venue: Botanic Garden Restaurant, North Terrace, Adelaide

Cost: \$17 members/\$20 non members

RSVP: 15 March 2000
Lee Jones, Adelaide University, 8303 4643, email: <lee.jones@adelaide.edu.au> or Louise Renfrey, Flinders University, 8201 3137, email: <louise.renfrey@flinders.edu.au>

Speaker: Professor Fay Gale (ATEM Patron)

Professor Gale is the President of the Academy of Social Sciences in Australia. She was Vice-Chancellor of the University of Western Australia and during that time she was also President of the Australian Vice-Chancellors' Committee. Previously she held the positions of Pro Vice-Chancellor and Professor of Geography at Adelaide University.

Cheques made out to the Association for Tertiary Education Management (SA Branch) can be sent to either Lee Jones or Louise Renfrey or payment can be made on 22 March at Registration.

Department of Environmental Biology Graduation Dinner

The Department of Environmental Biology invites all past and present graduates and staff of the Departments of Botany, Zoology and Environmental Biology, undergraduates, their families and friends to the 2000 Graduation Dinner at the Ballroom, Hindley Parkroyal Thursday 13 April 2000, 7.00pm for 7.30pm.

Cost, including 3-course meal and coffee, \$35 pp, enrolled students and graduands \$28pp. There will also be a cash bar available.

Prizes will be presented.

Dress: Smart, black tie optional.

Tickets: Available from Department of Environmental Biology, tel 8303 5576.

Women's Professional Development Network

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

The WPDN runs a variety of activities including breakfasts, lunchtime speakers and workshops. For more information, visit our web site at: <<http://www.adelaide.edu.au/wpdn>> or contact Sam Jacob <sam.jacob@adelaide.edu.au>, ext 34201, or Danielle Hopkins <danielle.hopkins@adelaide.edu.au>, ext 33937.

COMING EVENTS

Breakfast

- 8.00am on Wednesday 15 March and
- 8.00am on Friday 14 April, see web site for venue

Lunchtime Workshop

- Wednesday 5 April: Making the most of your skills and abilities. 12.30pm, Ira Raymond Room, Barr Smith Library.
- Friday 5 May

Free event of 1hr duration, bring your lunch. Further details on time, venue and topics will be available on the web site.

University web site

To find out what's happening with the University web site and to take part in the online survey visit: <<http://www.adelaide.edu.au/pr/webdev.html>>.

Interested in Research Management?

Expressions of interest are sought from general or academic staff currently employed in the University who might be interested in a secondment of approximately nine months to the Research Branch starting as soon as possible.

The duties will be varied and interesting and will primarily involve managing external competitive research grants. Appointment at HEO level 6 or equivalent is envisaged.

Contact Cyril Brown, Manager, Research Operations, to register your interest or to obtain further information, on extension 35137 or by email at <cyril.brown@adelaide.edu.au>.



THE UNIVERSITY
OF ADELAIDE
LIBRARY

Barr Smith Library Tours

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

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

RSVP: Jennifer Osborn (Reference Services), tel 8303 3706 email: <jennifer.osborn@adelaide.edu.au>. Max of 12 per group.

ANTI-CANCER FOUNDATION OF SOUTH AUSTRALIA Cancer Research Fellowship

Applications are invited for a three-year Cancer Research Fellowship which will assist the Anti-Cancer Foundation of South Australia in meeting its objectives and advance the career of a postdoctoral research scientist. The successful applicant will have post-doctoral experience in a relevant field of cancer research and will be expected to work, for the term of the Fellowship, in an appropriate South Australian institution.

APPLICATIONS:

Should be submitted in duplicate to the Executive Director, Anti-Cancer Foundation giving details of the proposed project, the applicant's CV addressing research experience, previous research grants and listing recent publications and presentations. The names and contact details of three referees should be supplied. Evidence should be provided that the applicant's Head of Department is prepared to support the proposed project, and to state that it is compatible with the applicant's interests, capabilities and career development needs.

Further information may be obtained from the Executive Director, tel (08) 8291 4131. Applications should be addressed to: Dr Kerry Kirke, Executive Director, Anti-Cancer Foundation of SA, PO Box 929, Unley, SA 5061, fax (08) 8291 4122. **Applications close 31 March 2000.**

Research Branch Update

Australian Research Council (ARC) Grants for 2001

International Researcher Exchange (IREX) Scheme

The objectives of this scheme are to build strong ongoing collaborations between research groupings or centres of excellence in Australia and overseas, involving exchange of researchers at both senior and junior levels; to strengthen international research experience for junior researchers at both postdoctoral and postgraduate levels; and to enhance existing, and develop new, collaborations among senior researchers.

Applications for funding in 2001 will close with the Research Branch on Friday 7 April. Applications and guidelines are available from the Research Branch web site. Further information is also available from Professor Russell Baudinette, Department of Environmental Biology (a member of the ARC's Committee on International and National Co-operation, which is responsible for the scheme).

Strategic Partnerships with Industry-Research and Training (SPIRT) Scheme

This scheme is designed to encourage and develop long-term strategic alliances between higher education institutions and industry, to provide industry-oriented research training for postgraduate research students and to foster opportunities for postdoctoral researchers to pursue internationally competitive research in collaboration with industry.

Application forms and guidelines for funding in 2001 are now available from the Research Branch web site. Applications will close with the Research Branch on Wednesday 26 April.

INFORMATION SESSION WITH PROFESSOR PETER ROBINSON - TUESDAY 14 MARCH:

Professor Peter Robinson, chair of the ARC's University-Industry Research Collaboration Committee will be at the University of Adelaide on Tuesday 14 March to conduct an Information Session on the SPIRT scheme and meet with intending applicants and their Industry collaborators.

The Information Session will be held in the Council Room, Level 7 Wills Building from 1.30pm to 3pm.

Professor Robinson will also be available to meet applicants and their industry partners by appointment from 9am to 12 noon. Contact the Research Branch on extension 35137 for more information or to make an appointment

Research Infrastructure Equipment and Facilities Scheme

The main objective of this program is to fund relatively large scale initiatives (in excess of \$100,000) to develop research infrastructure on a collaborative basis among groups of institutions, across the higher education system as a whole, and with organisations outside the system. Approximately \$20 million will be available through the program in 2001. Funding is for one year only.

The application form and guidelines, and a report on the allocation of grants for 1999, are available from the Research Branch web site at: <<http://www.adelaide.edu.au/RB/formslist.html>>.

It is expected that final applications will be due in the Research Branch by Friday, 26 May 2000 with expressions of interest due by the end of April.

If you are considering submitting an application please notify Cyril Brown in the Research Branch of your interest as soon as possible (ext 35137).



Welcome in the new millenium with one of our dental care specials!

Dental treatment for University staff and students

To welcome you back from the Christmas break we are offering a very special rate for new patient checkups and scale and polish.

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

Emergency dental treatment and routine dental care is available at the CACDRC. All patient treatment is carried out by qualified staff. Competitive rates and EFTPOS facilities are available. Concessions are also available for holders of University cards. Convenient public transport access is available.

For further information, to book a tour of the Centre or to make

Dental implants

Had enough of your partial denture? Having trouble with your full lower denture?

Volunteer to be part of a research project into dental implants and your denture could be a thing of the past. The latest types of titanium dental implants are being investigated. The cost of the implants and to have the superstructure made is considerably less than is charged for the same work outside of this research project.

Where? Colgate Australian Clinical Dental Research Centre
2nd Floor, Adelaide Dental Hospital, Frome Road

To register your interest phone 8303 3437.

Unfortunately we are not able to accept you into the study if you are a smoker, a poorly controlled diabetic, taking steroids, if you need antibiotic cover for dental treatment, if you are on hormone replacement therapy, if you have a pacemaker or if you are pregnant.

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 for the funding schemes listed below, please contact the Research Branch, extension 35137; or email renae.minerds@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.

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

Commonwealth Department of Veterans' Affairs - Local Commemorative Activities Fund: Internal closing date: Apply at any time

Heart Foundation - Travel Grants: Travel Grants may be applied for at any time. (Applications should be lodged as early as possible to allow time for further correspondence, but not later than two months before the departure date)

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

Perpetual Trustees - Grants: Internal closing dates: 17 March & 15 September 2000

AusAID - Postdoctoral Fellowships for Research on Economic and Public Administration Issues in Papua New Guinea: Internal closing date: 22 March 2000

Prostate Cancer Foundation of Australia - Travel Grants: Internal closing date: 23 March 2000

Anti Cancer Foundation of South Australia - Cancer Research Fellowship: Internal closing date: 24 March 2000

CARD Program - Capacity-building for Agriculture and Rural Development Program in Vietnam: Internal closing date: 24 March 2000

Emergency Management Australia - Inaugural Safer Communities Awards: Internal closing date: 24 March 2000. Web site: <http://www.ema.gov.au>.

Grains Research and Development Corporation (GRDC) - Travel/Conference Attendance 2000/2001: Internal closing date: 24 March & 23 September 2000. Web site: <http://www.grdc.com.au>.

Heart Foundation -Grant-in-Aid for Research (Biomedical and Education/Health Promotion): Internal closing date: 24 March 2000. Web site: <http://www.heartfoundation.com.au>.

MAWA Trust (Medical Advances Without Animals) - New Funding Support for Non-Animal-Based Medical Research in 2001: Internal closing date: 24 March 2000. Web site: <http://www.mawa.asn.au>.

Price Charles Hospital Foundation - Research Grants: Internal closing date: 24 March 2000

Sea World Research and Rescue Foundation Inc - Research Funding: Internal closing date: 24 March 2000

University of Melbourne
• Research Fellowships (Career

Interruptions) Program 2000
Web site: <http://www.unimelb.edu.au/research/admin/fellowships/careerint.html>.

• **Awards for Joint Research Projects**
Web site: <http://www.unimelb.edu.au/research/collab/UMCollab2000.html>.
Internal closing date: 24 March 2000

University of Oxford - Oxford Nuffield Medical Fellowship 2000/01: Internal closing date: 24 March 2000. Web site: <http://www.science.org.au/awards/nuffield.rtf>.

National Institute on Drug Abuse, USA - Centers for Drug and Aids Research Core Grants: Internal closing date: 29 March 2000. Web site: <http://www.grants.nih.gov/grants/guide/rfa-files/RFA-DA-00-008.html>.

Environment Australia - Australian Biological Resources Study: Internal closing date: 3 April 2000. Web site: <http://www.anbg.gov.au/abrs>.

National Institute of Neurological Disorders and Stroke, USA /National Institute of Diabetes and Digestive and Kidney Diseases, USA/Juvenile Diabetes Foundation International - Neurobiology of Diabetic Complications: Internal closing date: 11 April 2000. Web site: <http://www.grants.nih.gov/grants/guide/rfa-files/RFA-NS-00-002.html>.

NSW Environment Protection Authority - Community Waste Reduction Grants Program: Internal closing date: 11 April 2000. Web site: <http://www.epa.nsw.gov.au/waste>.

Office of Dietary Supplements, USA / National Center for Complementary and Alternative; Medicine, USA / Fogarty International Center, USA / National Cancer Institute, USA / National; Heart, Lung, and Blood Institute, USA / National Institute of General Medical Sciences, USA / National Institute of Diabetes and Digestive and Kidney Diseases, USA / National Institute on Aging, USA / National Institute on Drug Abuse, USA / National Institute of Environmental and Health Sciences, USA / Office of Research on Women's Health, USA - Centers for Dietary Supplement Research: Botanicals: Internal closing date: 11 April 2000. Web site: <http://www.grants.nih.gov/grants/guide/rfa-files/RFA-OD-00-004.html>.

National Institute of Environmental Health Sciences, USA / National Institute on Aging, USA / National Institute of Arthritis and Musculoskeletal and Skin Diseases, USA / National Institute of Child Health and Human Development, USA / National Institute of Mental Health, USA / National Institute for Occupational Safety and Health, USA, / Office of Behavioural and Social Sciences Research, USA - Health Disparities: Linking Biological and Behavioural Mechanisms with Social and Physical Environments: Internal closing date: 12 April 2000. Web site: <http://www.grants.nih.gov/grants/guide/rfa-files/RFA-ES-00-004.html>.

The Wellcome Trust - Overseas Senior Research Fellowships in Biomedical Science: Internal closing date: 14 April 2000. Web site: <http://www.wellcome.ac.uk>.

National Institute of Allergy & Infectious Diseases, USA - Laboratory Methods to Assess Responses to HIV Vaccine Candidates: Internal closing dates: 17 April, 18 August & 22 December 2000. Web site: <http://www.grants.nih.gov/grants/guide/pa-files/PA-99-044.html>.

National Institute of Neurological Disorders and Stroke, USA / National Institute of Mental Health, USA / National Institute on Drug Abuse, USA / National Institute on Aging, USA - Mechanisms in HIV Dementia and Other CNS Diseases: Internal closing dates: 17 April, 18 August and 18 December

2000. Web site: <http://www.grants.nih.gov/grants/guide/pa-files/PAS-00-065.html>.

National Institute of Child Health and Human Development, USA - Genetic Disorders Causing Mental Retardation: Internal closing dates: Various. Web site: <http://www.grants.nih.gov/grants/guide/1994/94.02.18/pa-genetic-disorders009.html>.

The George Alexander Foundation - Grants: Internal closing dates: 20 April, 25 July and 23 October 2000. Web site: <http://www.gafoundation.org.au>.

Emergency Management Australia - Australian Disaster Research Grants: Internal closing date: 21 April 2000. Web site: <http://www.ema.gov.au/ausgrants.htm>.

Primary Industries and Resources SA - The AW Howard Memorial Trust Travel Grants: Internal closing date: 21 April 2000

Sylvia and Charles Viertel Charitable Foundation - Applications for 2000 - 2001

- Senior Medical Research Fellowships
- Establishment Grants for Viertel Clinical Investigators

Internal closing date: 21 April 2000

Radiological Society of North America - Research and Education Foundation - Seed Grants: Internal closing dates: 1 May & 1 September 2000. Web site: <http://www.rsna.org>.

Australian Academy of Science - Rudi Lemberg Travelling Fellowship: Internal closing date: 5 May 2000. Web site: <http://www.science.org.au/awards/lemborg.htm>.

Parke Davis/Pfizer - Cardio Vascular Lipid Research Grants: Internal closing date: 5 May 2000. Web site: <http://www.cvlgrants.com.au>.

National Heritage Trust, Coasts and Clean Seas - Funding for Environmental Projects 2000-2001: Internal closing date: 11 May 2000. Web site: <http://www.environment.gov.au/net/ccs.html>.

National Cancer Institute, USA - Genetic Regulation of Susceptibility to Tobacco-Related Carcinogenesis: Internal closing dates: 15 May & 15 September 2000. Web site: <http://www.nih.gov/grants/guide/pa-files/PA-98-095.html>.

National Centre for Research Resources (NCRR), USA
• Novel Approaches to Enhance Stem Cell Research

Internal closing dates: 15 May & 15 September 2000. Web site: <http://www.nih.gov/grants/guide/pa-files/PA-99-086.html>.

• **Comparative Medicine - Various Awards and Programmes (Visit website for further details)**
Web site: <http://www.ncrr.nih.gov>.

National Institute of Arthritis and Musculoskeletal and Skin Diseases, USA - Grants for Research on the effects of Microgravity on the Musculoskeletal System: Internal closing dates: 15 May & 15 September 2000

National Institute of Arthritis and Musculoskeletal and Skin Diseases, USA/National Institute for Child Health and Human Development, USA/National Institute of Dental Research, USA/National Institute of Diabetes, Digestive and Kidney Diseases, USA: Research Grants for Research on Skeletal Growth and Development: Internal closing dates: 15 May & 15 September 2000. Web site: <http://www.grants.nih.gov/grants/guide/pa-files/PA-98-105.html>.

National Institute on Drug Abuse, USA: Research Grants on Origins and Pathways to Drug Abuse: Internal closing dates: 15 May & 15 September 2000. Web site: <http://www.grants.nih.gov/grants/guide/pa-files/PA-99-168.html>.

National Heart, Lung and Blood Institute, USA: Cellular and Molecular Mechanisms of Primary Pulmonary Hypertension: Internal closing dates: 18 May & 15 September 2000. Web site: <http://www.grants.nih.gov/grants/guide/pa-files/PA-00-043.html>.

Scholarships

Unless otherwise indicated, further information and application forms are available from the Student Centre, Level 4, Wills Building. Please lodge all applications with the Student Centre unless otherwise stated.

Apex Foundation for Research into Intellectual Disabilities Ltd Undergraduate Studentships: Open to undergraduates preparing a thesis as part of their studies. The thesis must be related to intellectual disability. Value: \$1000. Details available on request. Closing: 31 May 2000 (Vic).

Australian Housing Institute Research Bursary: Value: \$3000. Open to individuals pursuing private study into the housing industry. Only private research projects voluntarily pursued as part of a formal course of study leading to a formal award are eligible. Enquiries may be made to The Executive Officer, email: aushouse@tpgi.com.au, ph: (07) 3256 0202, fax: (07) 3256 0338. Closing: 5 May (Qld).

British Federation of University Women: A booklet providing details of awards provided by the Federation is available on request to the Student Centre.

Dairy Research and Development Corporation General Training & Development: Available for study tours, and attendance at conferences, seminars, workshops and short courses. Overseas travel applications should be built into specific DRDC-funded projects within the Farm and Manufacturing Portfolios. Closing: 31 March 2000 (Melbourne).

Italian Government Scholarship 2000/2001: Available to Australian citizens under 38 years of age, for single subject courses, postgraduate advanced studies, research, or courses or Italian language and culture. Value: 1,500,000 Italian lira per month. Award does NOT include airfares. Closing: 20 March (Italian Consulate).

Konig Bequest Awards for Aboriginal Postgraduate Students: Open to Aboriginal and Torres Strait Islanders undertaking Masters or PhD (by full-time research or coursework). Value: up to \$5,000. Closing: 31 March 2000 (Student Centre).

SARDI Women's Science Bursary 2000: Open to a woman graduate wishing to undertake postgraduate studies in science, who are honours graduates currently undertaking or wishing to undertake postgraduate studies in agriculture, fisheries or forestry science. Value: \$1000. Candidates must be Australian citizens or permanent residents, and not be in receipt of other bursaries. Details available from Oksana Dniprowyi, SARDI, 8303 9433 or email: dniprowyi.oksana@saugov.sa.gov.au Closing: 24 March (SARDI).

Mutual Community Postgraduate Travel Grants: Available to assist doctoral candidates (a) to travel to a conference at which the student will present his/her work, or (b) to travel to another institution to learn a particular method essential to his/her own work (which cannot be learned at Adelaide). Such travel may be undertaken within the state, Australia or overseas. Grants will not normally support an applicant in his/her first year of enrolment. Forms available from the Alumni Office (ext 33196) or downloaded from the University's email bulletin board, Scholarship website and Alumni website. Further details available from Kathy Butler