

New study unlocks health secrets of a country town

A MAJOR new survey has found that the much publicised, but little researched, differences in health between metropolitan and regional people in South Australia do exist.

The survey, commissioned by the South Australian Centre for Rural and Remote Health (SACRRH) and conducted by the Department of Human Services, is believed to be the first of its type conducted in regional South Australia.

It focused on the Upper Spencer Gulf city of Whyalla, which is the largest city in the State outside of the metropolitan area, with a population of almost 24,000.

Some 1000 Whyalla residents were surveyed by phone, with the key findings including:

- A very high rate of hearing loss, with 17% of respondents reporting a medical diagnosis of hearing loss. The figure was far worse for men, with a staggering 26% of men having hearing loss, while only 8% of women had hearing loss;
- Higher-than-State average rates of obesity, asthma and diabetes;
- A lower rate of arthritis compared to the rest of SA;
- no difference in the rate of osteoporosis.

Respondents were asked about various health issues affecting them, including physical and mental health,

major illnesses, injuries, the use of medication, and health risk factors like weight, smoking, drinking, and illicit drug use.

While some of the survey results cast Whyalla in a less-than-positive light compared to the rest of the State, others were surprisingly good, according to SACRRH's Director of Public Health, Mr Jeff Fuller.

"A major reason for focusing this survey on Whyalla was the declining population and threatened economic base of the city," he said.

"It might be expected in such a city that mental and emotional health would be reduced compared with the rest of the State. Contrary to these expectations, there were no differences in levels of severe depression, social dysfunction, anxiety and insomnia, or overall prevalence of mental health conditions in Whyalla compared with the rest of the State.

"Such health information from an important regional city is of great national interest, and represents a significant achievement in the quest for increased equality in health status between metropolitan and regional areas."

The SACRRH is a partnership between Adelaide University, University of South Australia, and the Commonwealth Government.

—Ben Osborne

Olympic flame fever



FLAMES big and small were the flavour of the month in September—and rightly so.

The main stadium cauldron (pictured above) at the Sydney 2000 Olympic Games was one of the event's most highly photographed icons, ever popular with games-goers who posed "holding" the cauldron as if it were an Olympic torch.

The torch also got a look-in with this little fellow (pictured right), an entry in this year's Floriade gnome-painting competition in Canberra. What an impact those Adelaide University researchers have made!



Molecular biosciences finds a new home, new focus

THE NEW Molecular Life Sciences Building, which will be officially opened on 12 October by Sir Gustav Nossal, is already in use. Or at least, partly so.

A procession of removalist trucks, trolleys and loaders has been converging on the six-storey building, bringing equipment and resources from various locations around the University.

The building will be the home of the equally new Department of Molecular Biosciences, which amalgamated the former departments of Biochemistry, Genetics and Microbiology & Immunology. Staff, students and resources are on the move from their former homes to the state-of-the-art building. For some, it is a move that is long overdue.

"The places where they were doing their science were becoming very overcrowded, and very outmoded," said Mr Doug Pottrell, the Senior Administrator of the new department.

"The Fisher building, for example, has had asbestos problems, and these have all been driving forces for a new building for the future," he said.

"The merger is a very obvious one. We're looking for a lot of synergy from that merger, and with new facilities in a new building we expect some very exciting science."

The building will also house the Special Research Centre for the Molecular Genetics of Development. Research in this area is very fast moving, so how does one design a building that will accommodate future research needs that



Jessica Roediger, an Honours student in Biochemistry, unpacks apparatus for purifying protein in the new laboratories.

may differ from those of today?

"We tried to design a building that would last a good 50 years," said Mr Pottrell.

"The three main concepts that we put into the building were flexibility, flexibility and flexibility. We can remove walls, split or merge rooms, turn labs to serve different functions and so on. There is a central zone throughout the building that houses all the shared equipment, increasing laboratory efficiency quite a bit."



The entrance to the new Molecular Life Sciences Building. Photo courtesy of Doug Pottrell.

In fact, efficiency of occupancy and use is more than 70% in the new building—a considerable improvement on the 60% that is more common in traditional laboratories of this type.

Much of the new equipment comes by way of special grants, but the new building has impressive built-in resources, too, including

computer-programmed plant growth cabinets and animal rooms, and a number of specialist laboratories.

Around 500 people from all around Australia, including leading scientists, science writers and dignitaries, have been invited to the formal opening of the building.

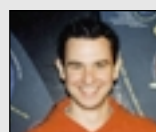
—Rob Morrison

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Bat caves and burrows

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Orchestral forces combine

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FROM THE PAST

PROFESSOR ROBERTSON'S LETTER

Earlier this year the new Department of Molecular Biosciences was formed, absorbing three University departments, including Biochemistry. This month will also see the opening of the new Molecular Life Sciences Building at Adelaide University, heralding a new era for research and education in this field.

An excellent opportunity, then, to take a look back into Adelaide University's past.

In 1919, Thorburn Brailsford Robertson became the first Professor of Biochemistry and Physiology. He was a pioneer in the development of insulin, devising a way of producing it more cheaply, quickly and in greater volume than anywhere else in the world.

Robertson had studied at Adelaide University under Professors Bragg and Stirling, and was later to marry Professor E C Stirling's daughter, Jane. Professor Stirling had recently played the major role in establishing the university's Medical School, and was responsible for the appointment of Professor Archibald Watson, an enigmatic and eccentric figure in the history of the University.

The following is an extract from a highly entertaining letter from Robertson to Jane Stirling written in about 1907, three years before their marriage. This letter is reproduced by kind permission of his surviving daughter, Ms Judith Woollard.

I do wish you could have been present in an "invisible cloak" or something. There was a big pathological surgeon over here from Chicago—Dr Senn—and as soon as I heard of it, it struck me as a good idea to get an introduction to him to find out what possibility there was of getting employment under Loeb; besides which, if I went over there on the strength of my recommendation from here, it would be as well if a travelling American scientist had heard of me while passing through.

I mentioned this to Dr Stirling—as it turned out, the very morning Dr Senn was going away by the mail-boat.

Now it happened that Dr Watson was going to see him off, and Dr Watson was in the office at the time. Dr Stirling took the matter energetically in hand, and told me to go to Dr Watson and say he'd sent me to ask him to introduce me. I went and found Dr Watson reading the paper in the office—the interview was somewhat as follows.

Mr R: Dr Stirling sent me to you, sir, to ask you to introduce me to Dr Senn.

Dr W: To Dr Senn?

Mr R: Yes—Dr Stirling thinks I should be introduced to him. You see, it is possible I may be going over to Chicago presently ...

Dr W: Yes—but whom have I the honour of

addressing, that is the point?

Mr R: My name is Robertson, sir.

Dr W: Oh!—And who may Mr Robertson be?

Mr R: I am one of Dr Stirling's students, sir, and he wants...

Dr W: Yes, yes, but what is Mr Robertson doing, and why does he want to be introduced to Dr Senn?

Mr R: I am an Honours physiology student, Sir.

Dr W: And why should Mr Robertson be introduced to Dr Senn?

(I am about to reply, when Dr Stirling's head is seen passing the window).

Dr W: Ah—here is Dr Stirling—now we'll find out what this is all about.

(Enter Dr Stirling, who endeavours to rapidly explain to Dr Watson what he wants).

Dr W: But have you thought what a nuisance it is to these fellows when they come to a place like this—being chased by fellows with bottles of oil and infallible cures and dried specimens and things?

Dr S: Yes, yes, but they've got to sift the wheat from the chaff.

Dr W: Well, if you've sifted out this man...

Dr S: I've sifted this man, and I've told you I want you to introduce him to Dr Senn.

Dr W: But what's the good of introducing him to Senn when he's just leaving, and looking after his things and seeing a dozen fellows at once—much better if you give this fellow four and sixpence to take him on board and then he can have a good innings.

Dr S: Well, take him on board, then.

Dr W: And what am I to say to Senn?

(Dr Stirling, fuming, explains over again that I am a mathematico-physico-chemical physiologist—and that I've done original work which he expects to see published, and that as the combination of mathematics and physiology is unusual, and the work I have been doing is on Loeb's own line, he wants to know whether I have any chance of getting a position under Loeb).

Dr W: I'll have to write all that down—you see, I've got such a poor memory...

Dr S: (Getting excited) Oh, be damned!—You can remember lots of stuff.

Dr W: (Interrupting) I can remember a lot of stuff in my own line, but you see, this is something quite different. (Writes, and then reads what he has written).

Dr S: (Out of all patience, roars) Now you know what I want you to do—well then, DO IT!

Dr W: Then you'd better come with me, Mr Robertson (Walks out).

Dr S: (Sotto voce to me, as I am following) Don't let Dr Watson get out of your sight—you stick to him and then he'll introduce you.

(I follow Dr Watson out, and he grasps his bicycle).

Dr W: Have you got a card?

Mr R: No Sir, I wasn't exactly prepared...

Dr W: Then you'd better go into the office and get one of their cards, and get Mr Eardley to write your name on it—very nicely, while I take my bicycle to the shed.

(I go into the office—somewhat doubtful of the wisdom of leaving Dr Watson a moment—at the door I meet Dr Stirling).

Dr S: What is it?

Mr R: Dr Watson thinks I should have a card, and I haven't one with me.

Dr S: (To Eardley, who hands me a card) Dear me, Dr Watson is getting very particular all of a sudden.

Mr Eardley: Yes, isn't he; a new development for him!

(I again make my exit, and at the door, to Dr Stirling): I think this promises to be a somewhat trying interview, sir.

Dr S: Well, it will be under the aegis of my colleague—but you know what Dr Watson is—he'll introduce you, and you'll have to do the rest.

(I presently meet Dr Watson coming up from the shed).

Dr W: Have you got the card?

Mr R: Yes, sir.

Dr W: That's all right.

(Dr Watson remains silent till half-way to the Gresham, but he is cogitating over the coming interview, as his next words show).

Dr W: I tell you what, I think I'd better gammon sick, and let you take his carpet-bag and things on board—that would give you a good innings.

(Mr Robertson knows this is just the sort of thing Dr Watson would do and, terrified at the prospect opening out before him, wonders how he can put Dr Watson off).

Mr R: Yes, it would give me a good innings, but I don't think it's exactly necessary.

Dr W: What isn't necessary?

Mr R: Well-er-for you to gammon sick, sir.

Dr W: But don't you see it's a damned nuisance to have to go on board this steamer and waste the whole morning—I'm not sure that it isn't necessary.

(Robertson thinks he'd better say no more presently. They pass the statue of Burns).

Dr W: That statue always makes me feel ill.



A caricature of Robertson, part of the Chinner collection.

Mr R: Oh! Why is that?

Dr W: It's his bones.

(Robertson, wondering greatly what's the matter with Burns' bones, thinks he'd better say nothing. They arrive at the Gresham. Dr Watson enquires where Dr Senn is, and is told he is upstairs. They go up one flight of stairs, and Dr Watson turns down a dark and narrow passage).

Dr W: Can you see in the dark, Mr Robertson?

Mr R: I'm afraid not, sir.

(Dr Watson tries a door; voice from the end of passage: "Those are the Ladies' rooms, sir").

Dr W: (Relinquishing his hold on the handle, and confronting the maid) Oh!—Then where is Dr Senn?

Maid: He's upstairs, sir.

Dr W: (Taken aback) But aren't we upstairs?

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Web of Science for Adelaide University

THE BARR Smith Library is very pleased to announce the availability of the Web of Science database for the University community.

Incorporating some of the most important journal indexing tools available—Science Citation Index, Social Sciences Citation Index and Arts + Humanities Citation Index—Web of Science has been a long time coming to the Web at Adelaide.

Web of Science is available to the University at this time due to the availability of special pricing through the CAUL consortium. However, the Library would still have been unable to provide access were it not for the cooperation and generous financial participation of the Deputy Vice-Chancellor (Research) and the Deans of Science, PALACE, Engineering, and Agricultural and Natural Resource Sciences.

One of the Deans has described this as "a most important initiative for our research effort, and one which the University cannot

afford to avoid". Indeed, availability of the Web of Science is being used by some of our competitors as one means of attracting research students and staff.

Web of Science indexes over 8000 of the world's most important journals in all areas of science, social sciences and the humanities.

It can be searched in the same way as other journal index databases – by author, keyword, journal title, or the author's institutional affiliation. What makes Web of Science unique is the availability of searching based on citation indexing.

Citation indexing exploits the formal and necessary linkages between papers established by the authors themselves, when they cite the work on which their own research is based. In other words, where the details of an existing article are known, then the development of the ideas or concepts in that paper can be tracked forward and backwards in time by seeing who has subsequently referred to it, as well as seeing

which papers it cited. Academics can discover who is citing their own research, and the impact their research is having within their discipline. Likewise the impact of papers from workers at other institutions, laboratories or departments can be similarly monitored, as can the work they are citing.

Web of Science is also unusual in being multi-disciplinary, so that patterns of citation can be followed across the traditional disciplinary divisions.

Web of Science can provide links out to other databases—such as GenBank—and to the articles within more than one thousand Library-subscribed electronic journals at the Web sites of publishers such as Elsevier, HighWire, Springer, Wiley, and Blackwell Science.

Web of Science is available now via the Web at <<http://wos.isiglobalnet2.com/>> for current University staff and students.

—Steve Cramond

Children's environmental crusade begins right here on campus

HUNDREDS of children from Australia and overseas have gathered at Adelaide University for the International Kids Congress 2000, the children's conference focusing on environmental issues.

The event, held in Bonython Hall from 3-6 October, was titled "Making a Difference", reflecting the idea that children can make a difference to the environment today, as well as holding the key to its future.

Adelaide University's Vice-Chancellor, Professor Mary O'Kane, welcomed delegates to the congress, describing it as an important event.

"Hundreds of children are demonstrating their concern by gathering to discuss some of the most serious environmental issues facing the planet.

"This commitment gives real hope for the future. They and their supporters in schools around the country are setting an example not just to their local communities but to the rest of the world. They really are making a difference."

Environmental research has always had a high priority at Adelaide University, Professor O'Kane said.

"We are engaged in a wide variety of environmental-related research in the areas of sustainable agriculture, environmental law, politics, engineering and science.

"Research in these areas is helping to achieve practical solutions to environmental problems both at a local and global level. We have won many awards for our environmental research and are proud of our achievements.

"I hope that many of the children attending the conference go on to study at university and continue to make a contribution to environmental protection."

—John Drislane



Among the many kids attending the congress were (from left), 11-year-old Nick Burrows of Hamilton, New Zealand, 12-year-old Ntsika Dimbaza of Port Elizabeth, South Africa, 11-year-old James Chaffey of Tamworth, Qld, and 12-year-old Josianne Tambe of Vanuatu. Photo: Brenton Edwards, courtesy of The Advertiser.



Higher education: the corporate view

The global president and chief executive of Hewlett-Packard, Carly Fiorina, is among the world's most respected business leaders. This year, she topped *Fortune* magazine's list of the most powerful women in American business for the second successive time.

Not surprisingly, Fiorina attracted media interest when she visited Australia last month. (One of her engagements was a meeting with the University's Executive Director of Student and Staff Services, Ian Creagh, in Melbourne. The two signed a Memorandum of Understanding appointing Hewlett-Packard as the University's partner for desktop computer procurement for the next three years. See last issue of the *Adelaidean*.)

In interviews with *The Australian's* Robert Gottlieb, Fiorina and two other visiting corporate leaders—Microsoft's Bill Gates and Jack Welch of General Electric—gave their views on what Australia needed to do to ensure long-term prosperity. A common theme, emphasising that Australia could really push its role in the knowledge economy, ran through their responses.

Welch identified "brain power" as the most important requirement. "Australia has natural resources and brains," he said. "So Australia is a place where intellectual capital is critical."

Gates emphasised the need for skills education. He also suggested that Australia should establish a university of excellence and technology to attract top people from around the world.

Fiorina said there was no quick way to develop a smart, high-tech economy. "Becoming a centre of technology requires a systemic, long-term commitment and approach," she said. "It is about having a connected program addressing questions such as taxation, public policy and education. It requires a fairly close corroboration between industry and government to make the right choices across those issues. And there is no quick fix."

These three corporate chiefs are not the only leaders who have been promoting the value of education in recent weeks. On my brief visit to the World Economic Forum in Melbourne last month I heard speaker after speaker underline the central role of higher education as a driver of economic growth.

Clearly there's a recognition at the highest levels of business of the essential importance of universities as powerhouses of the knowledge economy. But what of governments? There's a lot of rhetoric at both Commonwealth and State level that governments value the economic and social benefits generated by universities. The funding support they provide, however, sends a different type of message.

Universities like our own are thinking long and hard about our future: our goals, our vision and how we are going to achieve them. We're also being creative in seeking out new sources of funding. But we need—and deserve—adequate levels of public funding. To return to the point made by Oxford University Vice-Chancellor Dr Colin Lucas in his public lecture in Adelaide last month: if governments want universities to be the nation's economic powerhouses, they must invest in them. In short, if they want the benefits, they must be willing to pay for them.

MARY O'KANE

Losing weight for a worthy cause



From left: Liz Geddes, Liz Wade, Sam Jacobs and Mary Ann Bin Sallik.

NO-ONE usually brings scales to an afternoon tea so they can see how much they weigh, but this wasn't your usual afternoon tea.

Three staff members from the Student Interests Office used a recent afternoon tea in the newly-opened "café" in the Mitchell Building basement to celebrate their unusual fundraising achievement: losing weight.

The trio shed a combined total of 46 kilograms over 15 weeks to raise more than \$1100 for the Black Women's Action through Education Foundation (BWAEF). The afternoon tea was used as a final weigh-in, as well as a chance to splurge on foodstuffs declared off-limits for the duration of the sponsored diet.

BWAEF SA Executive member Professor Mary Ann Bin Sallik (pictured right) was also at the afternoon tea to receive the money raised, and to bestow BWAEF life membership to the Division of Student and Staff Services.

—Ben Osborne

Uni efforts praised

ADELAIDE University is among five universities to receive extra funding for staff salaries under the Federal Government's Higher Education Workplace Reform Program.

The Program, which started in January, will provide up to \$259 million over three years to universities which demonstrate a commitment to improving workplace relations and management practices.

The latest funding awards have gone to Adelaide University, La Trobe University, the University of Sydney, Batchelor Institute of Indigenous Tertiary Education, and the University of New South Wales.

Earlier this year funding was approved for the University of Melbourne, Monash University and the University of Queensland.

The Minister for Education, Training and Youth Affairs, Dr David Kemp, praised the universities for their initiative and commitment to workplace reform.

"Adelaide University has introduced significant measures in relation to flexible working conditions and has demonstrated major improvements in cost savings and productivity gains," he said.

"The University has also made improvements to its redundancy processes."

The five successful institutions in the latest funding round will receive nearly \$13 million between them. The money will fund an approximate 2% salary increase for the universities' staff.

Gillies welcomes new arts council alliance

A NEW alliance between the Australian Research Council (ARC) and the Australia Council for the Arts has been supported by one of Australia's leading arts figures.

Professor Malcolm Gillies, Executive Dean of the Faculty of Humanities & Social Sciences and the Faculty of PALACE at Adelaide University, and President of the Australian Academy of Humanities, says the move is a necessary step to improve funding for arts research.

Late last month, the ARC and the Australia Council announced that they would join forces to advance research and professional practice in the arts.

The alliance was formed at a Forum on Research and Professional Practice in the Creative Arts hosted by the two councils in Canberra, and supported by the national Academy.

"The ARC and the Australia Council both provide complementary funding for the arts. Through enhanced coordination, we wish to ensure that funding is seamless and responsive to the needs of researchers and practitioners. Ultimately this will lead to more effective support for the arts," said the Chair of the ARC, Professor Vicki Sara.

Continued Page 5

Environmental conference covers diverse topics

THE SECOND conference for postgraduate students across different departments and schools at Adelaide University attracted higher levels of interest this year.

When organising the first conference for postgraduate students of the environment last year, Dr David Walker of Civil & Environmental Engineering was surprised to find some 30 different departments had students researching an area related to the environment.

Last month's gathering continued the pattern of varied and tremendously interesting presentations, with a selection of eight students from departments as diverse as English, Environmental Biology and Law.

Associate Professor Rob Fowler (Law) introduced the conference with a plea for more interdisciplinary exchanges, arguing how appropriate the interdisciplinary approach often is for environmental topics.

Two papers discussed watercourses, with Mark Siebentritt (Environmental Biology) stressing the importance of variable flows to rehabilitation of wetland vegetation along the River Murray, and Thi Thu Houng Hoang (Soil & Water) arguing that artificial modelling of certain types of streams can be used to successfully predict their condition.

On a completely different tack, Lesley Williams (English) discussed how literature and story telling embracing the environment can be a

potent aspect of how we change our relationship to the land.

Shane Sody (Law) heightened the slow reaction of the legal system to ensuring that Blue-fin tuna farming is ecologically sustainable, although it has skyrocketed to 92% of the value of all SA aquaculture in the past decade.

Irene Neri-Arboleda (Applied & Molecular Ecology) caused delight with her illustration and discussion of mapping the movements of the exquisite Philippine Tarsier by Geographic Information Systems. This baby-sized primate with eyes like moons, bat-like ears, long thin arms and legs with round pads on the ends of the fingers and toes, survives in small patches of mid-succession forests, but is vulnerable to clearing activities. It covers over a kilometre in its nocturnal ramblings, and seems to prefer the more complex environments.

From the discussion of domestic water use in Australia by Bernie Foley (Civil & Environmental Engineering), it appears we consume over five times the basic water requirement set by the UN, and could easily cut it to more sustainable levels by installing water conservation measures. Consumption does not relate to cost (although the NT does have the highest consumption and the cheapest water), and planning of water provision often ignores conservation measures in favour of more expensive recycling or other approaches. Interestingly, domestic consumption accounts for less than 10% of Australian water use.



Jenny Indarjani (Environmental Biology) closed with a fascinating account of how little research has been done into the biota (other than plants) of mangroves in South Australia, although they are economically important in terms of their fish nurseries, and such intriguingly diverse biological environments (with both terrestrial and marine habitats) that they ought to be up there with rainforests! Her research is focusing on mud-dwelling creatures in different locations

in St Vincent's Gulf.

Held in the Bentham Lecture Theatre, audience numbers were nearly double last year and there were animated questions and debate with almost all speakers. The conference seems confirmed as an annual event which will help underline Adelaide University as a wide-ranging leader in postgraduate environmental research and study.

—Marcus Beresford

Bat caves and burrows are hives of co-existence

INSECTS may be the smallest members of the animal kingdom but they have an enormous and unique role to play in our environment.

It's a role being investigated by honours students Judy Bellati and Tim McCullough, who are delving into the importance of invertebrates in fragile environments and their co-existence with other creatures.

Mr McCullough, a Bachelor of Environmental Science student, is focusing on a unique relationship between species of spider and a lizard which was once thought to be extinct.

The rare Adelaide pygmy blue tongue lizard was rediscovered near Burra in 1992. The lizard actually lives underground, in burrows constructed by spiders. Mr McCullough's research will involve monitoring 400 spider burrows to study their ecology, population and dynamics.

The South Australian Museum, which started a recovery program for the lizards with the Adelaide Zoo, provided additional funding for Mr McCullough's research. He said the funding had been invaluable:

"I've been able to use terrific equipment and facilities at Burra to study the spiders, including

an optic fibrescope which has made monitoring the burrows much easier and less invasive," Mr McCullough said.

Ms Bellati, an Agricultural Science student, has chosen to study the ecology of bat caves in the world heritage-listed Naracoorte Caves. Her research focuses on guanophilic invertebrates—insects which feed on a fungus which grows on bat guano (faeces).

The large bent wing bat has recently been identified as a new species, and Ms Bellati's research into the ecosystem of the caves is laying the foundations for knowledge of how the bats and insects co-exist in this environment.

She said her aim was to discover what species of invertebrates live in the cave and to monitor any changes over a 12-month period. Her data will assist park rangers in developing a system of monitoring the caves' inhabitants. Ms Bellati's project has also received additional funding, from the Department for Environment and Heritage. She has also benefited from the use of five remote video cameras within the caves.

"There are 400,000 bats within the cave and I have to be very wary of not disturbing them when I collect insect samples each month," Ms Bellati said.



Guanophilic invertebrates.

"The video cameras have allowed me to monitor the bat environment without impacting on the species."

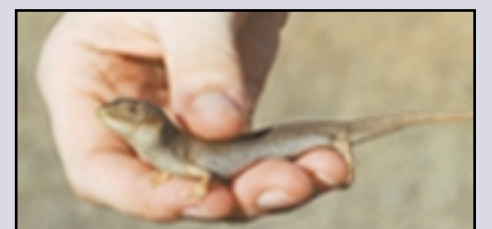
Both students are supervised by Dr Andrew Austin from the Department of Applied & Molecular Ecology.

The students said studying invertebrates was increasingly important for understanding complex and fragile ecosystems. They both agreed that the best aspect of their work was that it would contribute to future conservation efforts.

—Sally Raphael



A burrow-digging spider.



The rare Adelaide pygmy blue tongue lizard.

Adelaide graduates given a taste of UK's water industry

THREE Engineering graduates from Adelaide University have been given an opportunity to work for 12 months with Thames Water, England's largest water company.

Thames Water is a parent company of United Water, who is responsible for the management, maintenance and operation of Adelaide's water and wastewater treatment plants and underground pipe network.

Mr Matthew Rees, Ms Liz Roder and Ms Skye Widdows work for United Water and gained the opportunity through United Water's graduate development program. Ms Roder and Ms Widdows completed degrees in Civil & Environmental Engineering at Adelaide in 1997, while Mr Rees graduated from Chemical Engineering in 1998.

He departed Australia late last month to commence work with Thames Water's Research and Technology division at Reading, approximately 45 minutes from London. Mr Rees will initially be working in the wastewater field, looking at sludge treatment and disposal. Previously at United Water, he was involved with research and development of membrane pilot plant trials and undertaking project management and contract administration. Mr Rees hasn't been overseas before and said he was looking forward to the many challenges that lie ahead.

Skye Widdows returned to United Water in August after 12 months in the UK where she was also based in Reading. She was part of a project group working on detection, control and reduction of water leakage from Thames Water's 30,000km of water pipes.

"Working overseas was a tremendous opportunity for me and gave me experience and understanding of new methods and techniques which could be applied to our operations here in Adelaide," she said.

Following in their footsteps, Liz Roder will be leaving Australia in January to also work in Reading for 12 months. She will be continuing on the work performed in leakage management as well as being involved with water filtration research.

United Water said it placed a high importance on providing its graduate engineers with a well-rounded knowledge of the many aspects of the water industry. International learning opportunities such as these were very important in creating technology transfer and bringing new skills and technologies back to South Australia, it said.



Engineers with future, present and past opportunities (from left) Liz Roder, Matthew Rees and Skye Widdows.

CAREER PATHS

THE NEW FACE OF TELEVISION SCIENCE

FOR SCIENCE Communicators, an appropriate medium is important. Radio is great if you have ideas to discuss but not much to show. Print is the only medium that readers take at their own pace, so graphs and diagrams sit well there. For many, television is the most seductive.

Television is demanding. It must have strong visual material to work. It needs good presenters who can work to several cameras at once. But it also offers much in the right hands and, at its best, can be commanding and memorable. For children, it can be formative.

Adelaide University graduate David Lampard is about to become one of the new faces on Australian television. He will be a presenter on 'Y?', an engaging and entertaining science program made especially for children.

The show has a cast of five: a host, three reporters, and a science presenter. As the last of these, David presents around three segments per show—a series of experiments which explore all sorts of fascinating scientific concepts, from the psychology of memory, to the biology of touch and the chemistry of a permanent crease.

David completed a Bachelor of Science degree at Adelaide University in 1994, with majors in physiology and psychology, but he almost never started it.

"For many years, I simply had it in my head that I was going to just sing for the rest of my life, that I was going to be a performer," David said. "But I decided to get a science degree first, and see where music could lead me later. I'd always been



David Lampard, new presenter on science program Y?

fascinated by biology and the human body, so a science degree was an easy second choice."

He did, however, manage to convince the Science Faculty to allow him to study a voice subject with Performing Arts towards the first year of his science degree. The next year he won a scholarship to study single studies voice at the Elder Conservatorium, while completing his degree.

After that, David found himself at a dead end. "I loved science, but really couldn't really see myself working in a lab for the rest of my life",

so he spent the next two years working in John Martin's, before desperately approaching one of the Adelaide University careers counsellors.

The counsellor pointed him in the direction of a scholarship course in Canberra—a Graduate Diploma in Scientific Communication, run jointly by the Australian National University and Questacon, the National Science and Technology Centre.

"I managed to get into the course, and have been having a ball ever since! I've now been to and delivered science-based presentations and programs in every Australian State and territory

except Tasmania—which is, of course, next on my list," he says.

Working as a science communicator, David has written and performed a broad range of science shows for an incredibly diverse range of audiences, including kindergarten, primary and high school students, Aboriginal community members, non-English speaking groups, disabled and deaf students, detention centre inmates and the general public. He is also an active volunteer at the Investigator Science Centre.

"Basically, I had the television job before I knew it," says David. "About 10 of my friends e-mailed the job information to me, and four days later I was meeting with one of the executive producers of Southern Star Entertainment. Not long after that, and I was invited to join the cast of 'Y?'."

The show attempts to expose children to science in their everyday (and not so everyday) lives. It exposes science as a fun, dynamic and incredibly diverse field of inquiry, and students will be encouraged to write in with their own questions for the Y? team to answer.

Not so dissimilar from another science TV show which graced the air for many years.

"I grew up watching Deane Hutton and Rob Morrison on the Curiosity Show—I loved that show," says David, "and now I've basically got their job, and can't quite believe how lucky I am!"

Y? will air on Channel 9 during 2001, with February being mentioned for its debut. Sixty-five episodes have been filmed, and they will go to air from Monday to Friday in the late afternoon.

Applied maths a medal winner

ADELAIDE'S Associate Professor Jagannath Mazumdar has received a national award for outstanding services and research in the field of Engineering Mathematics.

The prestigious IEAust Engineering Mathematics Award, in the form of a medal and a certificate, was presented to Dr Mazumdar at the recent biennial Engineering Mathematics and Applications Conference at RMIT, Melbourne.

Dr Mazumdar is an Associate Professor with Adelaide University's Department of Applied Mathematics. He is the author of two books published by Cambridge University Press and World Scientific, and has published more than 150 research papers in the field of Biomedical Engineering, Solid Mechanics and Biofluid Mechanics.

His research involves mathematical modelling of a wide range of biological and physiological phenomena, including population dynamics, the cardiovascular system, epidemics, stages and treatment of HIV infection, and modelling of the AIDS virus.

In his citation, the President of Institution of Engineers, Australia, Mr Martin Cole, said Dr Mazumdar had been chosen for the award "for his valuable contributions to the fostering and promoting of Engineering Mathematics in Australia".

"I believe the Engineering Mathematics community in



IEAust President Mr Martin Cole congratulates Assoc. Prof. Jagannath Mazumdar. Photo: Nick Besley.

Australia owes heavily to Jagannath Mazumdar for outstanding services and research in Engineering Mathematics," he said.

Dr Mazumdar was also the recipient of the Institution's other prestigious award in this field, the EMG Award, at the last national conference held in Adelaide in 1998.

Gillies welcomes new arts alliance

From Page 3

Professor Malcolm Gillies said the new alliance would help remove one of the major problems faced by the arts.

"Since the visual and performing arts became more firmly embedded within the university system they have had to justify their professional productivity increasingly by using the units of currency of that system (teaching and research)," Professor Gillies said.

"This exercise with the ARC and the Australia Council was largely one of negotiating the 'conversion rates' of different currencies: creative-art works and research.

"This discussion becomes particularly necessary as the restructured ARC has as one of its six committees,

Humanities and Creative Arts. Previously the Creative Arts was just a very minor corner of the Humanities and Social Sciences panel. The Creative Arts, with 4% of the nation's tertiary academics, has traditionally received less than 1% of the Large ARC grants, for instance.

"Now, the ARC has recognised the more central role of creative-arts research, but needs to make sure that its funding schemes are congruent with those of that other federal funding body for the Creative Arts, the Australia Council.

"Both Councils desire a seamless system whereby quality creative work is funded by one or other, or in some cases, both Councils. The meeting in Canberra on 26 September established a good basis for such a seamless system," he said.

—David Ellis



Barr Smith Library extended hours

The Barr Smith Library will be open longer for four weekends at the end of Semester 2, from Saturday 21 October to Sunday 12 November (inclusive).

During that time, the library will be open on the Saturdays and Sundays from 9.00am-5.00pm.

Omission

In the last issue of the *Adelaidean*, the name of Dr Robert Reid (Plant Science) was omitted inadvertently from the list of IREX grant recipients.

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Troubled waters ahead for Investigator Centre

THE INVESTIGATOR Science & Technology Centre is this month celebrating another birthday.

Since its establishment in 1990 it has hosted many exhibitions and given thousands of South Australians a chance to experience hands-on science and technology. While the Centre's aim is to demonstrate the roles that science and technology will play in the future, its own future is far from certain as it enters its 10th year.

Most States now have their own Science and Technology Centres, but the Investigator is the smallest and the least funded of them all. The Investigator depends largely on self-funding, with money coming from entrance fees and sponsorship. To get more of both means mounting bigger and better exhibitions, but the Centre is so small that many touring exhibitions are too large for the gallery, and pass Adelaide by.

Even moderately sized exhibitions require so much space that regular exhibits have to be removed and, with only one gallery, the Centre must close down to change its exhibitions over, thus losing valuable customers for weeks at a time. Other exhibitions are chosen and selected on the basis of budget constraints; a restriction which can influence the quality of the exhibitions.

Home-grown exhibitions must also be restricted; a problem for those at the Centre who are working to prepare a major display for the bicentenary of the meeting of Matthew Flinders and Nicolas Baudin, the subject of state-wide celebrations planned for 2002.

The past few years have seen more financial support coming from the state government. This year the Investigator has prepared a feasibility study which proposes a move to one of two

alternative sites, both larger than the current one at Wayville. The government has since proposed a third site. Funding for the move remains uncertain, however.

"In this new site, the Investigator would like to have more exhibition galleries and some specific classroom areas to run workshops," said Belinda Baker, the Investigator's Programs Manager. "This would allow more exhibitions to be in the centre at the same time, and draw more visitors through the door," she said.

As well as its exhibitions, the Investigator runs educational programs in Science and Technology. The Adelaide University Discovery Lab is currently home to a multimedia suite. "This has been in existence at the Centre for a couple of years now, and has contributed greatly to the programs that we can offer," said

Ms Baker. "It helped us keep in touch with technology teachers and with cutting-edge technology," she said.

Outreach programs play an important part in the Investigator's efforts to take science and technology to rural South Australians. The indigenous program has also been a great addition, "Government funding has made it possible to play a major role in taking science and technology to Aboriginal communities and schools," said Ms Baker.

As part of this program, the Investigator will this month visit Alice Springs to take part in a science and technology youth event, and visit three schools in the Pitjantjatjara lands. This is a collaborative work, with scholars from the Shell Questacon Science Circus also taking part in these visits.

—Marijke de Weerd

Farewell to a valued member of the philosophy family

ANGIOLA Bartesaghi was a member of the University community, our friend and secretary for more than 20 years. She joined the Department of Philosophy around 1960, and her services were shared for a year or two with the Department of French. She retired in 1981 and died this year on 22 August, aged 85.

I came to know Angie only in 1974, when I took up the Hughes Chair. Angie predated me in the Department by many years. The Head of Department, when she joined it, was Professor J.J.C. Smart, later to be awarded an AC for his contribution to our subject. But she knew him, and so do we, just as Jack Smart.

I don't know of any other friendship quite like the one Jack and Angie had. Jack is somewhat absent minded, impractical, and even a little eccentric, as professors generally (and philosophical ones in particular) are all supposed to be. He is also the friendliest and most unpretentious person I know. It simply never occurs to him to stand on his dignity. Despite being a world figure in his subject, he has an endearing naivety about him that makes him, as I've said, an eccentric. In short, while he is an eminent person, he plainly needs someone to look after him. Angie saw all this at once, took it on, and revelled in it. Like most of his friends, she managed to combine a deep respect for Jack with a sense of him as someone you could sometimes laugh at as well as laugh with.

She told me with great delight, about her job interview with Jack. Despite her being a secretary who spoke four languages fluently—that is just as much a rarity in universities as it is in most places—he asked her only one question. Can you make a decent cup of tea? As it turned out, she was good at rather a lot more than that. She told me another story with another side,

which shows how close they were. It seems that one afternoon, Jack got cross about something and snapped a little at Angie. That evening, he walked from his home in Kensington Gardens to North Adelaide to apologise. She was very impressed and grateful for that kind of consideration. He has remained a loyal friend since he left here. For many years he visited Adelaide annually and these visits always included a lunch at Waterfall Gully with a group in which Angie was one.

Jack's phrase for Angie is "a mother to the department". She was, more literally, its carer and social secretary. She cared about us all as people and understood not only that she could provide what any secretary's duties include, but that she could also be concerned about what made us happy, irritated, sad or bored. She knew our wives and children and worried about whatever troubled them. She was pleased by their successes just as she shared with us the stories, and sometimes the company, of her daughters and granddaughters. She loved to laugh with us about all manner of things. I think that is what I recall most strongly. She turned an academic department into something like a family.

As I've said, Jack is a very distinguished person and many of his (and some of my) very distinguished friends have visited Adelaide, sometimes for weeks at a time. Jack might not have distinguished himself in taking care of them. So it fell to Angie to meet these people at the airport and arrange their accommodation, take them to it, settle them down and generally mother them, too. She had no difficulty making friends with the most eminent of professors - Gilbert Ryle of Oxford, Van Quine of Harvard, Herbert Feigl and Peter Hempel of Princeton, Bas van Fraassen of UCLA and Dan Dennett of Tufts. Her warmth and care, her style and poise, a kind of certainty about the fine balance in being respectful towards eminent people without being overawed by them - all this was

admirable. She carried with her something of Europe's polish and grace. She was a charmer, as people say, but very much in her own dignified but gentle way.

One reason why I valued her so much was that she was very good with our students. She was quite strict yet very friendly towards them. She knew their place and their duties. But, above all, she knew they had a place. Although she had to keep them to their deadlines and due-dates that never made her think that they were unimportant.

I recall one day in particular. I think I must have been standing in the corridor just outside the Department's office. She was telling a student that he could not have something or other that he wanted. He said "Oh, well. I suppose I'm only a student." Angie rounded on him. "No!" she said. "You are not only a student. No one in this Department is only a student. There are teachers and there are students. You are a student." I think that was a perfect reply, firm but respectful. She was always helpful and friendly towards students. I described her way of doing things to her successors, thinking that the most important thing a secretary does is to be helpful and friendly to students.

She had many friends within the University, outside the department. She was a very musical person and played the piano delightfully. For instance, her close friend Jimmy Whitehead, who taught cello at the Elder Conservatorium and performed wonderfully on it, used to play duets with her. He would talk to us when he came to talk to her. It was an admirable friendship which meant a great deal to them both and which we enjoyed being a small part of.

In the last times I saw her at Murray Mudge or Christies Beach, she was not very clear about who I was and a bit puzzled by my visit. But whenever the topic of the philosophy



Angie Bartesaghi.

department came up she smiled and grew animated and was filled with pride and affection. Rightly proud, because she was the pivot round which the friendliness of the most friendly place I ever worked in, turned. We were lucky to have her and she set the standard for later secretaries. I hope we deserved her. We will long remember her patience, energy and efficiency. But that was not what made the wheels go round, really. It was because she saw us as her children. Children whom she admired and honoured probably rather more than we really deserved. It was an affection that I hope - and think - we returned properly.

On behalf of all those people I have talked about, and on your behalf too, I salute Angie. She was an extraordinary and lovable person.

—Emeritus Professor Graham Nerlich
Department of Philosophy

FROM THE PAST PROFESSOR ROBERTSON'S LETTER

From Page 2

Maid: Yes, sir, but he's more upstairs, sir.

Dr W: Oh, I see.

(They proceed up another flight of stairs, Dr Watson murmuring "Wouldn't that girl have got a shock if I had walked into her room." A bell has warned the maid upstairs of our advent, and Dr Watson, who evidently knows these young ladies very well, catching her eye shouts—"Don't look at me!" The maid smiles).

Dr W: Where is Dr Senn?

(A bell rings and the maid rushes off).

Dr W: Don't go away!

Maid: (Turning round) I'll be back in a minute.

Dr W: That's all right—only don't leave me!

(Dr Watson turns down a passage and walks

into a room—evidently Dr Senn's this time, but vacant. They are just going downstairs to find him, when Dr Senn, coming up three stairs at a time, collides with Dr Watson. Warm salutations pass, and we walk upstairs. Dr Senn looks like a circus proprietor and talks like an American Norwegian, which I think he is. Arrived at the top of the stairs:-)

Dr W: Before we waste any more time, I want to introduce you to Mr Robertson, who is.....

(To my astonishment, he describes me as one of his students. He elevates me to the skies—gives the impression that a greater genius never existed, and compares me with Pasteur. Finally he represents Dr Stirling and himself as consumed with anxiety until I am under Dr Loeb's admiring eye.

Dr Senn, who looks sceptical, as he well might, then assures me that Dr Loeb would be very

glad to have me—informs us that Loeb has recently moved to San Francisco, where he has a magnificent laboratory on the seashore—and in answer to a few questions from me, gives me some other information I desired. Finally he writes me a card of introduction to Dr Loeb).

Dr W: Then Mr Robertson can start for San Francisco at once.

(Dr Senn reiterates his assurance that Dr Loeb will be glad to see me—that employment will be easy to obtain—says Dr Loeb is a great friend of his and I shall find him very kind).

Dr W: (To me) Then you can tell Dr Stirling that that's all right.

(Shakes hands. I make my bow to Dr Senn and we shake hands).

Dr W: (To Dr Senn) Do you want anybody to help you with your things? Because here's a

strong man (feels my biceps).

Dr Senn: No thank you vurry much, I haf only this bag to carry.

Dr W: Then you can tell Dr Stirling that that's all right.

(Shakes again. I exit).

Dr W: (Shouting along the passage) That's all right Mr Robertson.....

If you entertain a clear recollection of Dr Watson, you will find the above amusing... only for heaven's sake, don't let anybody else see it, and burn this letter.

Professor Thorburn Brailsford Robertson died prematurely in 1930 at the age of 45, leaving his wife, Jane, and three children. A memorial to him, in the form of a stained glass window, was erected in the Mitchell Building.

World expert on tooth decay returns

ONE of the world's leading experts on managing tooth decay returned to his home town of Adelaide this month.

Professor Rory Hume, Executive Vice Chancellor at the University of California, Los Angeles (UCLA), was in Adelaide to attend a dentistry seminar at the Hilton Hotel.

Professor Hume qualified in dentistry and dental science at Adelaide University in 1968, and completed his PhD in oral biology and pharmacology at Adelaide in 1972.

He became a postdoctoral research fellow in the Department of Pharmacology at UCLA's School of Medicine and only one year later was appointed Assistant Professor at the UCLA School of Dentistry. He then rose to the position of Associate Professor before returning to Adelaide University in 1983 to teach dentistry.

In 1987 Professor Hume was appointed Professor of Restorative Dentistry at the University of Sydney. In the '90s he moved back to the US, becoming Professor of Restorative Dentistry at the University of California, San Francisco. In 1996 he was appointed Dean of the Faculty of Dentistry at UCLA, and in 1997 became Executive Vice Chancellor.

Professor Hume's position at UCLA is rare for an Australian, especially for one whose primary academic field is dentistry.



Professor Rory Hume. Photo courtesy of UCLA.

During the seminar in Adelaide, Professor Hume discussed the advances made by the dental profession throughout the last century in managing tooth decay, as well as present research, best practices when diagnosing, prevention and treatment of decay.

"In 1900 dentists mostly extracted teeth to treat tooth decay," Professor Hume said.

"By the middle of the century we generally used fillings instead of extractions, and now we can prevent and cure the disease, often without the

need for fillings. When we do have to use fillings, they are very different from those we used even 10 years ago."

Professor Hume also discussed public concerns about adverse effects from filling materials. His most recent research has focused on which chemicals are released from plastic filling materials, how much is released and for how long, what they do in the body and how the body eliminates them.

The President of the Australian Dental Association SA Branch, Dr Arnis Lidums, says Professor Hume's visit was significant not only for the dental profession but for the general community as well.

"Every single person is affected either directly or indirectly by Professor Hume's work," Dr Lidums said.

"Minimal intervention dentistry is better for the patient and very much the way of the future. It's less invasive so that means less trauma, less time spent in the dental chair and, consequently, cheaper treatment.

"It is a privilege to have Professor Hume visit Adelaide."

Professor Hume has written more than 90 research publications and textbook chapters, mainly on the diagnosis and treatment of dental decay and the pharmacology and toxicology of filling materials.

The John Bray Oration 2000

THE John Bray Law Chapter of the University of Adelaide Alumni Association is pleased to announce the John Bray Oration 2000 to be held on Friday, 20 October 2000 at 6.00pm at Urrbrae House, Waite Campus.

The John Bray Oration 2000 entitled 'Legal and Other Literature' will be delivered by The Honourable Justice Callinan, Justice of the High Court of Australia. Justice Ian Callinan was appointed to the High Court in February 1998. He is also a playwright and author, a former Chairman of the Trustees of the Queensland Art Gallery, a former Honorary Chairman of the Brisbane Community Arts Centre and was formerly a Director of a number of public companies as well as the Australian Broadcasting Commission.

At the conclusion of the Oration drinks and light refreshments will be served. Admission is free (a donation to cover costs would be gratefully received). Free parking is also available. For further details contact Kim McBride, Coordinator of Alumni & Community Relations (Aust) at 8303 3196.

Evolution lecture to be given by John Maynard Smith

WORLD-FAMOUS biologist John Maynard Smith will give a public lecture at Adelaide, hosted by the departments of Philosophy and Environmental Biology, and opened by the Vice-Chancellor.

His topic will be The Major Transformations in Evolution.

On his topic, he says: "Most people can accept the idea that the detailed adaptations of animals and plants to their ways of life evolved by the natural selection of random genetic mutations, but find it harder to explain the sheer complexity of structures such as the eye or the brain in

similar terms.

"The growth of complexity has depended on a small number of dramatic changes in the way in which genetic information is stored and transmitted between generations. Examples are the origin of the genetic code, of sexual reproduction, and the multicellular organisms.

"The last major transition that required genetic evolution was the origin of human language. We are today living through a non-genetic transition, in which information is transmitted electronically."

7.30pm, Tuesday 17 October, Napier Lecture Theatre 102.

Jaw joint public lecture

THE USE of virtual technology to help treat the painful condition of clicking jaw joints is the subject of a free public lecture to be given on Monday 16 October.

Adelaide University graduate Professor Alan Hannam, who is now based at the University of British Columbia in Canada, will give the lecture, entitled *The Masticatory System and the Virtual Environment*.

The lecture is part of a series of specialist activities being conducted throughout the month of October by the Australia Jaw Joint Project, which is based at Adelaide University.

Florey Lecture Theatre on Monday 16 October at 6.30pm. All are welcome.

Volunteers for Golden Jubilee

The Alumni and Community Relations office is looking for volunteers to assist with the preparation of the 1950 Golden Jubilee celebrations on 20 October 2000. The Golden Jubilee is a wonderful day of reunion and celebration for alumni who graduated from Adelaide University in 1950. Volunteers are required on October 20th from 9.00am to noon, or part thereof, to decorate the venues, provide directions to guests, and to assist with the distribution of gowns and robes for the Commemoration Ceremony (no heavy lifting is involved). If you are interested in helping us out please contact Kim McBride, Coordinator of Alumni and Community Relations (Australia) at 8303 3196. Any assistance would be gratefully received.

Cornell Chapter Annual Dinner

THE Cornell Chapter's Annual General Meeting will be held on 9 November 2000 at St Mark's College from 6.30pm - 7.00pm. All members are encouraged to attend.

The Chapter's Annual Dinner will be held directly after the Annual General Meeting commencing at 7.00pm. The guest speaker at the Dinner will be Mr Greg Mackie, Councillor, City of Adelaide, Founding Chairman of the Adelaide Festival of Ideas, and Co-Proprietor of Imprints Bookshop. The subject of his address will be 'Building a Public Intellectual Culture in Adelaide'. Live music will also be provided between courses. Further details and bookings for the Dinner (\$50 per head, BYO) are available through the Alumni and Community Relations office, Alumni House, 44 Kintore Avenue, tel: (08) 8303 5800.

Free guided tours of North Terrace Campus

Regular tours are offered each Tuesday morning at 10.30am and are free of charge. Groups may make arrangements for tours at other times by calling the Alumni and Community Relations office on (08) 8303 3196.

Please meet at University Gate 20 next to the Art Gallery of South Australia on North Terrace.

Adelaide University Alumni Association

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I would be interested in receiving information and details about events from the following Chapters:

- Agricultural and Natural Resource Sciences Chapter
- Chapman Association (Engineering)

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- Cornell Chapter (Arts/Performing Arts)
- Florey Medical Chapter
- Science and Mathematical Sciences Chapter
- MBA Alumni Association
- Roseworthy Old Collegians Association (ROCA)
- Economics/ Commerce Chapter
- Leonardo da Vinci Chapter (Italian-Australian alumni)
- John Bray Law Chapter
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Bach recital at Elder Hall

IT'S NOT every day you can hear Bach performed from memory by one of Australia's finest young organists.

But that's exactly what you'll hear at a free JS Bach recital at Elder Hall to conclude the Organ Music Society of Adelaide's series of recitals celebrating the 250th anniversary of Bach's death.

Calvin Bowman will perform a wide range of Bach pieces from memory, including the Prelude and Fugue in A minor (BWV 453), Trio Sonata No. 1 in Eb flat major (BWV 525), Prelude and Fugue in C major (BWV 547), Fantasia super Jesu meine Freude (BWV 713), Fantasia super Christ lag in Todesbanden (BWV 695) and the Prelude and Fugue in B minor (BWV 544).

The Elder Hall performance, on the Hall's imposing *Casavant-Frères* pipe organ, is part of Mr Bowman's plan to perform the complete organ works of JS Bach in a number of recitals from memory, also in a celebration of the 250th anniversary year of Bach's death.

Mr Bowman, a Yale University graduate now based in Melbourne, has a long association with Bach's music: in 1995 he made the first Australian commercial recording of Bach's Little Organ Book on the Ahrend organ at the Robert Blackwood Hall, Monash University.

His performance at Elder Hall is presented by the Organ Music Society of Adelaide, in conjunction with Adelaide University's Elder Conservatorium-School of Performing Arts.

Where: Elder Hall, Adelaide University

When: 3.00pm, Sunday 22 October

Admission: Free

Orchestral forces combine for final concert in Elder Con series

IN advance of the proposed amalgamation of Adelaide's tertiary music institutions in 2001, the symphony orchestras of the Elder Conservatorium and the Flinders Street School of Music will unite under the baton of world-renowned conductor Nicholas Braithwaite for the final concert of the 2000 Elder Conservatorium Concert Series.

This joint initiative has been brought about by the Coordinators of Large Ensembles from each institution—the Elder Conservatorium's Mr Bob Hower and Mr Carl Crossin from Flinders Street. It is a collaboration designed to give students the best ensemble experience in preparation for their professional careers.

In the lead up to the concert, students have been required to undergo "blind" auditions for the principal roles, a process which ensures they are selected on merit.

"Because of the audition process, everyone in the orchestra is sitting in a chair that they've won. They then have the opportunity to work with professional conductors such as Nicholas Braithwaite, and to play challenging repertoire required of them in a professional orchestra," Mr Hower.

For Concert 5 on Friday 27 October at Elder Hall, the massed orchestra will play some of the most passionate and colourful works in the Western canon of orchestral music. The program begins with Richard Strauss' symphonic poem *Till Eulenspiegel*, in which the adventures of Till, a peasant clown, are ingeniously retold in a series of musical episodes.

Peter Sculthorpe's *Kakadu* evokes the



Elder Conservatorium Symphony Orchestra. Photo courtesy of Di Kidd.

splendour of Australia's famous outback. *Kakadu* is at once melancholy and desolate, but wonderfully coloured and rhythmically vital.

The concert concludes with Tchaikovsky's passionate Fourth Symphony, a work which experiments with a more improvisatory style, and paves the way for the great programmatic works of the Romantic era.

Friday 27 October, 8.00pm, at Elder Hall. Tickets are \$24 adult, \$16 concession and \$12 students, with bookings at BASS 131 246 or at the door.

—Di Kidd
Concert Manager



Nicholas Braithwaite. Photo courtesy of Di Kidd.

Production puts actor's life in the spotlight

THE LIFE of an actor comes under the microscope of the Adelaide University Theatre Guild's latest production *You Are Here*.

The latest instalment of the Theatre Guild's new work/emerging artist initiative *First Time Out, You Are Here* features three works brought together by ex-Adelaide University student and now actor/writer/director Andy Packer.

Andy said the three pieces are all short—*You Are Here* has a total length of some 90 minutes, including two intervals—but each piece illustrates a different aspect of life as an artist without taking itself too seriously.

The first component involves Andy directing a play, *The Sandbox* by

American Absurdist playwright Edward Albee.

In this piece a woman takes her mother down to the beach to wait for her to die. It comments on the need for rituals in our lives and the difficulty we have feeling true emotions firsthand in this multimedia, cinema rich era.

The second component is the screening of a short film conceived and directed by Andy, entitled *Theatre is Dead*.

Originally filmed in 1996, the "mockumentary" was recently re-shot in one day on the grounds of Adelaide University to update it for its screening as part of *You Are Here*.

"It's the story of a group of disenchanted theatre practitioners who are sick of creating theatre that

nobody comes to see, so they decide to make a movie instead," Andy said.

"This second version is a re-enactment of the first film. When we shot the original version we improvised the entire thing which kept the dialogue alive and very real. This time we have scripted sections from the original improvisations and will have other newly improvised sections as well.

"And it's also an interesting exercise for the audience, to be sitting in a theatre, watching a film about theatre practitioners trying to make a film."

The third component of *You Are Here* is a monologue written and performed by Andy entitled Submission.

"Submission is basically a voyeuristic look at my experiences of the audition process, and how sometimes

ambition gets in the way of us achieving our ambitions," he said.

"This is an experience that everyone can relate to because after all, an audition is just another form of job interview. We have all at some point really wanted something, and yet ruined our opportunity of attaining it because of our over-eagerness.

"I guess the major theme running through the three pieces is the transition between anticipation and disappointment, a transition we can all identify with. This is at times very moving and often hilarious."

You Are Here begins on Saturday 21 October and is performed daily at the Bakehouse Theatre between 25 October and 28 October, and 1 November and 4 November.



Andy Packer

Tickets are \$15 adult/\$10 concession, and are available from BASS on 131 246 or the Theatre Guild on 8303 5999.

—Ben Osborne

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BEACHFRONT: Fully furnished and fully self contained double storey apartment with sea views. Comprising 2 br, study, 1 1/2 bathrooms and many extras. Avail now. Ph 8400 8120 or 0419 380503.

GLEN OSMOND: 3 br unfurnished house (some built ins). Close to transport and good schools. Walking distance to Waite. No pets, lawns mown, avail now. \$220 pw + bond. Ph 8379 4869.

SECOND VALLEY:

Holiday house avail for rent over school holiday period. Short walk to beach, 3br. Ph Dianne 8379 6510.

HYDE PARK: 3-4 br furnished home. r/c aircon, security, and courtyard garden. Convenient location and close to city. Avail from Dec 2000 to July 2001. Approx \$400 pw. Ph Melanie Harris (08) 8271 2099 or email <harrm@cttg.sa.gov.au>.

WANTED: Academic family seeks 3-4 br furnished and equipped home for 1 year from Jan 2001. Prefer near Waite Campus. Email <ullman@udel.edu>.

Adelaidean CLASSIFIEDS

FOR SALE

AQUARIUM: 3' with stained pine stand & hood. Inc light, heater, filter, rocks, gravel & fish. Superb set up \$380. Ph 8332 5982, or email <dacooper@merlin.net.au>

BICYCLES: 2 Road racers; Pursuit 14 speed & Ricardo Elite 12 speed, in good cond \$90 ea. Ph 8376 7327 (ah).

COMMODORE: 1995 series 11 exec wagon. P/S, air bag,

central locking, alloy mags & immobiliser. \$12,000. VVE 942. Ph 8390 3367.

DATA PROJECTOR: Liesegang Ezshow 500. Connections for IBM & MAC, \$550. Ph Mary 8222 5443 or Henk 8431 5202.

FISHING DINGHY: Kingfisher 12', fibre glass, exc cond, new oars, crab nets, 6 hp Johnson outboard motor, on strong trailer. Will separate if nec. \$1550 ono. Ph Helene 8357 4798.

MAZDA 323: 1981, hatch, 5 speed, rad/cass, new tyres, immaculate outside and inside. VNO 181. \$890 neg. Ph 8338 4152.

MISC: Bernina 730 sewing machine, exc cond, & Sharp Carousel 750 w. 27 l microwave, white - offers. Saxophone Alto, new, in case, \$500 ono. Ph Pascale 8303 4767 or email <pascale.quester@adelaide.edu.au>

MOUNTAIN BIKE: Boys Repco 20", new cond, Shimano equipped, 10 gears, inc pump & water bottle holder. Ph 8332 5982 or email <dacooper@

merlin.net.au>

TRAILER/SAILER: Austral 20" cruiser/racer. Exc cond. Moored at N/Haven. Trailer avail. Many extras, inc 6hp Johnson o/board motor, recently ant-fooled, \$11,500. Ph Helene 8357 4798.

WANTED

LAPTOPS: 2 x running Windows 95 or 98. For donation to Indian orphanage and leper colony. Will pay up to \$400. Ph Nick 8303 4165 or email <nicholas.buchdahl@adelaide.edu.au>.

Bulletin Board

OCTOBER 9, 2000

ADELAIDE UNIVERSITY

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MONDAY 9 OCTOBER

12noon Plant Science Seminar: Three-Dimensional Structures of Barley- Glucan Exohydrolase Lingand Complexes: What do we learn about substrate binding and mechanism of action? By Dr Maria Hrmova. Charles Hawker Conference, Waite Campus.

1.00pm Clinical & Experimental Pharmacology Seminar: Acyl glucuronides: the dark side of the force? by Dr Betty Sallustio (Clinical Pharmacology, TQEH), Medical School, North Wing.

1.10pm Geographical & Environmental Studies Seminar: The geographical significance of population density by Mr Peter Smailes (Geographical & Environmental Studies). Room 104, Environmental Studies Building.

1.10pm Law Seminar: The Law of Work: Fundamental concepts by Rosemary Owens & Therese MacDermott. Room 216 Ligertwood Building. Sandwiches provided.

1.10pm Student Workshop: Learn Deep Relaxation by May O'Donoghue. Counselling Centre, ground floor, Horace Lamb Building.

3.30pm ACUE Seminar: When professionals collide by Mr Tim Rogers (Project Officer, ACUE). Seminar Room 2, Level 2, Schulz Building.

TUESDAY 10 OCTOBER

12noon CHRI Seminar: Novel Therapies for Helicobacter Pylori by Dr Richard Couper (Paediatrics). Seminar Room, 7th Floor, Rieger Building, WCH.

12.10pm Student Workshop: Effortless Exams by Sue Barnard. Counselling Centre, Ground Floor, Horace Lamb Bldg.

5.30pm Talking to the Press Workshop: Presenter: Dr Sue Stocklmayer. Change of venue to Florey Lecture Theatre, 1st Floor, Med School. Enquiries Wendy Ingman 8303 3932 or <wendy.ingman@adelaide.edu.au>.

WEDNESDAY 11 OCTOBER

1.10pm Geology & Geophysics Seminar: Soil processes and water quality by Dr David Chittleborough. Mawson Lecture Theatre, Mawson Laboratories.

1.10pm Horticulture, Viticulture & Oenology Seminar: PRD: How do roots communicate with shoots? by Mr Manfred Stoll. (Plant Research Centre). Auditorium, Waite Campus.

1.10pm Genetics Seminar: Title to be announced by Dr Svanhild Nornes. Genetics Seminar Room, Ground Floor, (southern entrance), Fisher Building.

1.10pm Student Workshop: Effortless Exams by Sue Barnard. Counselling Centre, ground floor, Horace Lamb Bldg.

6.00pm The Don Dunstan Foundation and the Centre for

COMING EVENTS

9th October — 20th October

Labour Research present: Changing Track: A new political and economic direction for Australia by Frank Stilwell (School of Economics & Political Science University of Sydney). All welcome. Tickets \$10 / \$5 conc, through Don Dunstan Foundation office, ph Alison 8303 3364. Scott Theatre.

THURSDAY 12 OCTOBER

12noon Hanson Centre for Cancer Research Seminar: Control of cell proliferation during early mammalian development by Dr Steve Dalton (Molecular Biosciences). Robson Theatre, RAH.

12.05pm Psychology Seminar: Keeping up with treatment: how do adults with Cystic Fibrosis do it? by Lisa Kettler (Post-graduate structured program). Room 527, Hughes Building.

12.45pm UANTaR in association with Don Dunstan Foundation supported by Wilto Yerlo Seminar: Mandatory Sentencing by Justice Elliot Johnston (was a commissioner on the Royal Commission into Aboriginal Deaths in Custody), Dr Judith Gardam (School of Law), and Chris Charles (Senior Solicitor, Aboriginal Legal Rights Movement). Union Cinema, Level 5, Union Building.

1.00pm Environmental Biology Seminar: On convective flow and plant performance by Dr Sean White (Environmental Biology). Benham Lecture Theatre, Ground Floor, Benham Building.

7.45pm Field Geology Club Lecture: Biodiversity of the South-east by Dr Tim Croft. Mawson Lecture Theatre, Mawson Laboratories.

FRIDAY 13 OCTOBER

10.00am Animal Science Seminar: Breath analysis: a novel way of assessing intestinal function by Dr David Tivey. Video Conference Room, E35, Roseworthy.

10.00am Social Inquiry - Labour Studies Seminar: Just in Time or a Time to be Just?: Researching the connection between organisational values and time management practices by Lisa Connolly. Seminar Room, 3rd Floor, 10 Pulteney Street.

11.30am Social Inquiry - Gender Studies Seminar: Household Debt and Inequality: A Broader View of Sexually Transmitted Debt by Ainsley Harper. Seminar Room, 3rd Floor, 10 Pulteney Street.

1.10pm Elder Conservatorium Lunch Hour Concert: Elder Conservatorium Wind Ensemble; Robert Hower - conductor. Admission \$3 at the door, (inc GST). Elder Hall.

1.10pm Centre for Asian Studies

Seminar: Women, Literacy and Liberation in Rural China by Ms Elizabeth Billard. Level 5, Ligertwood Building, Room 518.

4.00pm Obstetrics & Gynaecology Seminar: Stress, small babies & cardiovascular disease in adult life by Dr David Phillips (MRC Environmental Epidemiology Unit, University of Southampton). Seminar Room, 6th Floor, Medical School, North Wing.

MONDAY 16 OCTOBER

11.00am Politics Post Graduate and Staff Seminar: A Europe of Regimes?: Collective action in the Global Era - or - Citizenship Education and Social Capital by Peter John (Visiting Scholar, University of London). Room 420 Napier Building.

12noon Plant Science Seminar: The effect of WN5 expression on mitosis and somatic recombination in Triticum aestivum by Ms Alison Miller. Identification of the major anti-oxidant enzyme genes involved in chilling tolerance for rice seedlings by Mr John Tummel (Honour students). Charles Hawker Conference Room, Waite Campus.

1.00pm Clinical & Experimental Pharmacology Seminar: Pharmacology of naltrexone by Ms Sue Porter (Clinical & Experimental Pharmacology). Seminar Room, Level 6, Medical School, North Wing.

1.10pm Geographical & Environmental Studies Seminar: Movements against mining in the Pacific: Western Mining Corporation in Australia and the Philippines by Dr Timothy Doyle (Geographical & Environmental Studies). Room 104, Environmental Studies Building.

1.10pm Student Workshop: Learn Deep Relaxation by May O'Donoghue. Counselling Centre, ground floor, Horace Lamb Building.

1.10pm Law Seminar: The relationship between policy/principle and precedent by Horst Luecke. Room 216 Ligertwood Building.

2.00pm English Seminar: Sympathetic Topographies: the imagination in Australian cross-cultural research by Heather Kerr; The body of the imperial mother: exercise, women and the British Empire 1870-1914 by Mandy Treagus (English). Room 618, Napier Building.

TUESDAY 17 OCTOBER

3.15pm Anthropology Seminar: Culture Jamming - Tactics of Resistance from within a Landscape of Consumption by Catherine Palmer (Anthropology). Napier Building, 7th Floor, Room 722.

5.00pm Neuroscience Seminar:

The blood-brain barrier investigated NOT by genetic or molecular biology methods by Dr Mounir Ghabriel (Anatomical Sciences). Seminar Room, 6th Floor, Medical School, North Wing.

WEDNESDAY 18 OCTOBER

12.30pm Clinical Nursing Seminar: Level One Nurses' Responses to the Introduction of Management Imposed Quality Improvement Processes by Mr Stephen Simon (Project Nurse, Internal Medicine Service, RAH). Room 36, Level 3, Eleanor Harrald Building, Royal Adelaide Hospital.

1.10pm Geology & Geophysics Seminar: Lungs and the fossil record. Determining the evolution of aerial respiration by Dr Chris Daniels (Environmental Biology). All welcome, Mawson Lecture Theatre, Mawson Laboratories.

1.10pm Genetics PhD Update: Sarah Harmer (third year). Seminar Room, Ground Floor, Fisher Building (southern entrance).

THURSDAY 19 OCTOBER

12noon Hanson Centre for Cancer Research Seminar: Breast cancer genes: high-risk, low-risk and modifying by Dr Georgia Chenevix-Trench (Queensland Institute of Medical Research). Robson Theatre, RAH.

12.05pm Psychology Seminar: Power/Knowledge in Discourses Surrounding Breast Cancer by Shona Crabb (Post-graduate structured program). Room 527, Hughes Building.

1.00pm Environmental Biology Seminar: The developmental control of pulmonary surfactant in egg-laying vertebrates by Lucy Sullivan (Environmental Biology). Benham Lecture Theatre, Ground Floor, Benham Building.

FRIDAY 20 OCTOBER

10.00am Social Inquiry - Labour Studies Seminar: Doing Gendered Organisational Research Skills Workshops by Professor Joan Acker (University of Oregon). Seminar Room, 3rd Floor, 10 Pulteney Street.

11.30am Social Inquiry - Gender Studies Seminar: Working outside the Red Door - Writing for the Academy in the Year 2000 by Ros Prosser. Seminar Room, 3rd Floor, 10 Pulteney Street.

1.10pm Elder Conservatorium Lunch Hour Concert: Florian Ammer - Violin and Stefan Ammer - Piano. Admission \$3 including GST at the door. Elder Hall.

4.00pm Obstetrics & Gynaecology Seminar: Neuroendocrine and cardiovascular responses to fetal nutrient restriction by Ms Lisa Edwards (Physiology). Seminar Room, 6th Floor, Medical School North.

SITUATIONS VACANT

For information about the following vacancies 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.

LECTURER LEVEL B

(Ref: 10598) (Tenurable)

School of Economics
Salary: \$49,249-\$58,484

The School is seeking an outstanding candidate with strong commitment to teaching and research. The appointee will be required to teach core subjects at the undergraduate, honours and possibly, postgraduate levels.

This tenurable position is available from 1 February 2001. Further information from Rick Lam, Executive Officer, School of Economics, tel 8303 6405, fax 8223 1460 or email <rick.lam@adelaide.edu.au>. Applications close 17 November 2000.

LECTURER LEVEL A OR LEVEL B IN JAZZ

(Ref: 6765/8151) (Tenurable)

Elder Conservatorium

Salary: Level A \$34,475-\$46,786 / Level B \$49,249-\$58,484

The Elder Conservatorium is seeking to appoint to its highly regarded Jazz program, one or two lecturers at Lecturer Level A or B in (a) Jazz Voice and/or (b) Jazz Bass or Jazz Guitar.

These tenurable positions are available from 5 February 2001. Further information from the School Office, tel 8303 3681 or email <peter.burdon@adelaide.edu.au>. Inquiries to the Dean (Dr Anita Donaldson) on the above number or email <anita.donaldson@adelaide.edu.au>, or the Coordinator of Jazz (Bruce Hancock) tel 8303 3828 or email <bruce.hancock@adelaide.edu.au>. Applications close 27 October 2000.

LECTURER LEVEL A IN PHILOSOPHY

(Ref: 10608) (Tenurable)

Department of Philosophy
Salary: \$34,475-\$46,786

The Department of Philosophy is seeking to appoint a Lecturer Level A.

This tenurable position is available from 2 July 2001.

Information from Professor CE Mortensen, Philosophy, tel 8303 3814 or 8303 5247, fax 8303 3396 or email <chris.mortensen@adelaide.edu.au>. Applications close by 26 November 2000.

FACILITY MANAGER

(Ref: 2428) (Continuing)

Laboratory Animal Services
Salary: HEO5 \$35,191-\$39,268

Laboratory Animal Services supports Adelaide University's biomedical research community through the delivery of best practice animal husbandry and the provision of world standard laboratory animal products and services.

This continuing position is available immediately. Information from Andrew Bartlett, Manager, tel 8303 4665. The duty statement and selection criteria from Faye Gardner, tel 8303 5340 or email <faye.gardner@adelaide.edu.au>. Applications close 20 October 2000.

ENTOMOLOGICAL TECHNICIAN

(Ref: 10602) (Fixed-Term)

Department of Applied & Molecular Ecology, Waite Campus

Salary: HEO4 \$31,252 - \$34,376

The Department is seeking a suitably experienced person to provide technical assistance in a research and extension program on the ecology and management of diamondback moth.

This fixed-term position is available immediately until 30 June 2003. Further information from Dr Mike Keller, tel 8303 7263 or email <mike.keller@adelaide.edu.au>. Applications close 16 October 2000.

ADMINISTRATIVE ASSISTANT

(Ref: 4621) (Fixed-Term)

Department of General Practice
Full-time salary: HEO3 \$27,174 - \$30,979

The Department of General Practice is located at the Royal Adelaide Hospital. The appointee will undertake word processing, maintenance of filing systems, attend to enquiries and liaise with internal and external bodies.

This fixed-term position is available immediately for 12 months at up to 30 hours per week. Information from Gerri Hupfeld, tel 8303 3456. Applications close 16 October 2000.

HUMAN RESOURCES DEADLINES FOR ADELAIDEAN

For the *Adelaidean* of 23 October, advertising paper work must be received in Human Resources by 6 October.

For the *Adelaidean* of 6 November, advertising paper work must be received in Human Resources by 20 October.

GENERAL NOTICES

Academic Promotions Update

The processing and ranking of applications for each of the levels has progressed to the following stages:

APPLICATIONS FOR PROMOTION TO LECTURER (LEVEL B) AND SENIOR LECTURER (LEVEL C)

Faculty of Agricultural and Natural Resource Sciences - applicants have been advised.

Faculty of Science - applicants have been advised.

Faculty of Humanities and Social Sciences - recommendations approved and applicants are currently being advised.

Faculty of Performing Arts, Law, Architecture, Economics and Commerce - recommendations approved and applicants are currently being advised.

Faculty of Health Sciences - recommendations approved and applicants are currently being advised.

Faculty of Engineering, Computer and Mathematical Sciences - Due to the unavailability of a number of committee members the meeting scheduled for late September has been postponed until early October.

APPLICATIONS FOR PROMOTION TO ASSOCIATE PROFESSOR (LEVEL D)

Applicants are reminded that these applications will be ranked by the Discipline Sub-Panel and the University Promotions Committee. Recommendations will be approved by the Vice-Chancellor.

Physical Science Discipline Sub-Panel: Ranking has been completed.

Biological & Health Sciences Discipline Sub-Panel: Ranking began in September and will continue through to late October.

Humanities and Social Sciences Discipline Sub-Panel: Ranking has been completed.

The University Promotions Committee will continue to meet regularly until all Level D applications have been considered.

APPLICATIONS FOR PROMOTION TO PROFESSOR (LEVEL E)

A small number of reports remain outstanding for these applications which Human Resources are pursuing.

Physical Sciences Discipline Sub-Panel: Meetings will be conducted in late October.

Biological & Health Sciences Discipline Sub-Panel: Meetings will be conducted in late October.

Humanities and Social Sciences Discipline Sub-Panel: Meetings will be conducted in mid October.

We thank members of the Faculty Committees and Discipline Sub-Panels for making themselves available for the meetings arranged.

STEVE DAYSH
General Manager, Human Resources

Staff car services

Adelaide University staff who travel as part of their work can avail themselves of new transport services following agreements between the University and two private companies, AVIS Rental Cars and Hughes Cars.

Cars may be hired at preferential rates from AVIS by phone (136 333) or via the Internet, quoting the AVIS Worldwide Electronic Billing (WEB) number and the Wizard number appropriate for your department. These numbers are available from departmental offices, faculty finance managers or Judy Telfer at the Waite Campus (ext 37345). Staff who make frequent bookings can be enrolled as AVIS Preferred Customers. Account manager for the University is Helen Thompson, tel 8221 5525 or email <helen.thompson@avis.com.au>. Staff can also avail of the same preferential rates when they hire an AVIS car for private use.

Hughes Cars has been contracted to provide a car and driver hire service as an alternative to taxis. (The company provides the same service to UniSA and Flinders staff). Bookings must be made at least 20 mins in advance by phone 8234 0835 or fax 8234 1068. The University account number and departmental cost centre numbers, available from the department office, will be required. Staff wanting to hire a vehicle for private use can do so by calling CITICAR, a subsidiary of Hughes Cars, tel 8443 3033.

Details of the new travel arrangements for staff can be obtained from the department offices or from Judy Telfer ext 37345. General enquiries about either of the services can be referred to Bill Aukett ext 34466, email: <aukett@adelaide.edu.au>.

Overseas visitors health cover

Staff coming from overseas on temporary resident visas or business visas are required to pay the Medicare Levy through the PAYG tax system, but are not entitled to Medicare benefits. However, you may be eligible to claim back your Medicare Levy Surcharge that is deducted from your payroll tax. For more information contact: 1300 300 271 or Levy exemption Circular Unit, Health Insurance Commission, GPO Box 98222, Hobart TAS 7001.

Mutual Community are offering Adelaide University a special cover for temporary residents in Australia, who are not eligible for benefits from Medicare. Without Medicare cover visitors or temporary residents could be forced to pay thousands of dollars to cover unforeseen medical costs.

For an information kit tel Gail ext 35790 or Michelle ext 35255.

STEVE DAYSH
General Manager
Human Resources

Sexual Harassment Contact Officer Training Course

A 12 hour training course is offered to staff and students who are interested in becoming a Sexual Harassment Contact Officer for the University. The role of the contact officer is to be a first point of contact and to provide support and information to staff and students who have experienced sexual harassment. The contact officer may assist in clarifying the nature of the concern and give information on options for resolution. Contact officers do not become involved in directly resolving or investigating cases of sexual harassment or liaising with the person against whom a complaint is made. More information about the role of the contact officer can be found in the University Sexual Harassment Policy: <www.adelaide.edu.au/EO/shpolicy.htm>

If after completing the training, staff and students wish to become contact officers, their name will be listed on the University website.

Course details (participants need to attend each session):

- Thursday 12 October 9.00am-1.00pm (Canon Poole Room, Level 5, Union Building)
- Thursday 19 October 9.00am-1.00pm (WP Rogers Room, Level 5, Union Building)
- Thursday 26 October 9.00am-1.00pm (WP Rogers Room, Level 5, Union Building)

If you wish to enrol or would like more information, please contact Jane Copeland tel 8303 4456, <jane.copeland@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 students, staff or alumni unfamiliar with the layout, collections, resources and services of the Barr Smith Library.

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

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.

Women's Professional Development Network (WPDN)

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

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

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

or contact Danielle Hopkins (danielle.hopkins@adelaide.edu.au, 33937) or Catherine Edis (catherine.edis@adelaide.edu.au, 36151).

Coming Events

Social Breakfast: 8.00am Monday 16 October, Union Gallery, L6 Union Building, North Terrace Campus.

Student Evaluation of Teaching

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

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

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

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

CALLING ALL WOMEN

Would you like to know more about your menstrual cycle and how it might effect your ability to exercise?

We need women who:

- Are aged between 18-30 years
- Have regular menstrual cycles
- Are not using oral contraceptives
- Are non-smokers
- Are non-exercisers

The Exercise Physiology Research Unit is undertaking a series of experiments designed to examine the effects of the menstrual cycle on exercise. The project will involve:

1. Measuring your fitness on an exercise bike
2. Monitoring your menstrual cycle
3. Seeing how the menstrual cycle effects your exercise performance

\$100 HONORARIUM WILL BE PAID ON COMPLETION

If you are interested please contact the Exercise Physiology Research Unit: Leanne Roberts, Medical School South, tel 8303 4569.

Careers Service manager appointed

The newly-appointed Manager of Adelaide University's Careers Service is looking forward to meeting the many challenges of his job.

Mr Brenton Schulze recently started in the position after coming from a background in careers counselling and recruitment in the public, private and community sectors.

He sees the Careers Service offering a value-added service to students at a time when graduates are entering a globalised labour market with its own set of challenges. In the e-world professionals and workers are now more mobile, have the ability to work from home and are able to apply for a job any where in the world. At the same time organisations are increasingly hiring a greater proportion of contract or contingent labour to complement the permanent workforce.

"Students using the resources of the Careers Service are seeking advice and information about career decisions and options, labour market trends, job search strategies, writing resumes and preparing for job interviews," he said.

Mr Schulze is keen to optimise the University website as a portal for graduate job seekers. "The web site must be dynamic, relevant and easy for students to use," he said.

Mr Schulze said he was also looking to establish



strong links with other departments within the University, while planning is now under way for the Careers Fair 2001 and the Careers 2001 Handbook.

"I'm really looking forward to working with all the internal stakeholders associated with the University, such as the various faculties and departments, and Alumni," he said.

Public Health - 2001

STUDIES IN PUBLIC HEALTH

The Department of Public Health at Adelaide University offers a multi-disciplinary postgraduate program in Public Health to prepare graduates for careers in public health or to broaden the public health orientation of those with established careers.

The teaching aims to stimulate students to think creatively about the distribution and causes of health and illness in populations, and about policies and practices which support and improve the health of the public.

- The **Graduate Certificate in Public Health** consists of course work and can be completed in one semester of full-time or two semesters of part-time study.
- The **Graduate Diploma in Public Health** consists of course work and can be completed in two semesters of full-time or four semesters of part-time study.
- The **Master of Public Health** consists of course work and a dissertation and can be completed in three semesters of full-time or six semesters of part-time study.

Applicants to these awards may have a degree in any discipline relevant to public health. In exceptional circumstances, persons without degrees but with significant appropriate experience may be considered.

- The **Master of Medical Science** is a two year research degree. Entry to the degree is usually based on possession of a medical degree or an

honours degree, but may also be granted on the basis of appropriate experience and/or evidence of a graduate's ability to undertake research.

- The **Doctor of Philosophy** is available to students who have qualified, at a high level, for an honours degree or equivalent at an Australian University, and who satisfy the department's expectations. Exemptions to the usual academic requirements may sometimes be made on the basis of appropriate experience and/or evidence of a graduate's ability to undertake research.

The Department has a strong research record and can supervise students whose research interests lie in the fields of nutrition, health policy, resource allocation, reproductive health, public health history, cancer prevention and early detection, ethics, and occupational and environmental health.

NB: An Information evening about these programs will be held Friday October 20 2000 from 5:30 pm to 7:00 pm in the Seminar Room, Level 6, Bice Building, Royal Adelaide Hospital. Intending applicants are strongly encouraged to attend.

For further details and application forms, please contact Ms Linda Code, Department of Public Health, Adelaide University, Australia 5005, telephone (08) 8303 3572, or facsimile (08) 8223 4075 or e-mail <linda.code@adelaide.edu.au>. Applications for the 2001 courses close on **Friday 10 November 2000**. World Wide Web URL: <<http://www.health.adelaide.edu.au/PublicHealth/>>.

Occupational Health & Safety - 2001

Studies in Occupational Health & Safety

The Department of Public Health of Adelaide University jointly offers postgraduate courses in occupational health and safety with the University of South Australia.

- The **Graduate Certificate in Occupational Health and Safety Management** covers the essentials of OHS law and management practice, occupational health, hygiene, ergonomics, safety issues and data analysis.
- The **Graduate Diploma in Occupational Health & Safety Management** provides in depth understanding of OHS management systems, interpretation and application of OHS law, occupational health and hygiene practice and safety technology.

- The **Master of Occupational Health and Safety** offers advanced level studies in specialised areas of occupational health and safety, together with an opportunity to undertake research.

Applications are encouraged from people who have an existing graduate certificate or graduate diploma in the occupational health and safety field (appropriate status can be granted towards the masters degree).

For further information and application forms contact: Linda Code on 08 8303 3572; email - <linda.code@adelaide.edu.au> Liz Bluff on 08 0302 0351; email - <Liz.Bluff@unisa.edu.au>.

Closing date for applications: Friday 24 November 2000. World Wide Web URL: <<http://www.health.adelaide.edu.au/PublicHealth/>>.

C D R C Dental treatment for University staff and students

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

Emergency dental treatment and routine dental care is available at the CDRC. 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 or to make an appointment for treatment, please contact Freya on 8303 3437.

Competitive Rates...Convenient Access

Research Branch: Special notices

AUSTRALIAN HOUSING AND URBAN RESEARCH INSTITUTE (AHURI) - APPLICATIONS FOR 2001 FUNDING

AHURI aims to link quality research and the development of ideas with policy development, programme evaluation and project development in the public and private sectors. Its research programme consists of practical, applied policy relevant research within programme themes that have been established through consultation with key stakeholders. The current programme themes are:

- Housing Assistance Programmes
- Programme Integration and Housing Assistance
- Urban Management & Infrastructure
- Indigenous Housing
- Housing Futures
- Innovation in the Provision of Housing
- Homelessness and Marginal Housing

Applications for support (ranging from up to \$25,000 to up to \$250,000) for projects to be conducted in 2001 are now invited. Draft proposals were to be submitted to Dr

Andrew Beer, Director, AHURI SA, NT and Tasmania at the School of Geography, Population and Environmental Management, Flinders University by 6 October. Copies of the Application pro forma, Guidelines, Research Agenda for 2001 and related documents are available through the Research Branch website at: <<http://www.adelaide.edu.au/RB/new.html>>. Enquiries can be directed to Sondra Gould in the Research Branch, Professor Graeme Hugo at GISCA or Dr Beer at Flinders. The date for final proposals to be submitted to Dr Beer is 20 October 2000

AUSTRALIAN-GERMAN JOINT RESEARCH CO-OPERATION SCHEME Calling for Applications

We are pleased to announce details of a two year pilot scheme which is jointly funded and managed by Adelaide University, Australian National University, the Commonwealth Government Department of Industry, Science and Resources, and the German Academic Exchange Service

(DAAD). The scheme aims to foster international scholarly and scientific cooperation through funding of researchers who participate in co-operative research projects between Adelaide University, the Australian National University and the Federal Republic of Germany. We envisage that up to 100 staff exchanges will be funded during the course of the pilot scheme.

The scheme will enable Australian researchers from the two Australian universities to:

- pursue international networking;
- undertake research and development projects funded by other sources;
- gain access to leading edge technologies;
- promote innovation;
- establish links through exploratory visits; and
- work closely with Australian industry on new applications and processes.

Applications will be called for twice a year, with the first call commencing 1 October 2000. Application and Guidelines are available from the Research Branch web site

at: <<http://www.adelaide.edu.au/RB/electronic.html>>.

Should you require any further information or require assistance with identifying institution or industry partners, contact Lynette Kelly, Research Branch, ext 35175. Internal closing date: 31 October 2000

ARC CLOSING DATES, 2001

Contrary to earlier indications, recent advice from the ARC is that there will be two separate closing dates in 2001, one for the Discovery Program (Large Grants and Fellowships) and the other for the Linkage Program (SPIRT and RIEF). Precise dates have not yet been determined but it now seems likely that the closing date for Large Grants and Fellowships will be similar to that in 2000. If so, the internal closing date will be approximately Thursday 22 February 2001. Further details will be provided as soon as they are available.

www.adelaide.edu.au/RB/

RESEARCH GRANTS AND SCHOLARSHIPS AND OTHER FUNDING SCHEMES

Research Grants & Fellowships

The following is a sample of grant, fellowship and other research funding schemes currently available for application. The complete listing, 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, contact the Research Branch, ext 35137; or email <kelly.parish@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.

Rockefella Foundation - Global Inclusion Program: Internal closing date: applications submitted any time. Web site: <<http://www.rockfound.org>>.

Land and Water Resources Research & Development Corporation - General call for Research Projects and Travel Fellowships and the Social and Institutional Research Program (SIRP): Internal closing date: 13 October 2000. Web site: <<http://www.lwrrdc.gov.au>>.

Sir Edward Dunlop Medical Research Foundation - Research support for 2001: Internal closing date: 13 October 2000.

AMRAD Corporation - 2001 Postdoctoral Awards (biomedical): Internal closing date: 13 October 2000. Web site: <<http://www.amrad.com.au>>.

Research Institute of Innovative Technology for the Earth (RITE) - Research Proposals: Internal closing date: 17 October 2000. Web site: <<http://www.rite.or.jp>>.

International Society of Arboriculture Research Trust - John Z. Duling Grant Program: Internal closing date: 18 October 2000. Web site: <<http://www.isa-arbor.com/ISAResearchTrust/duling.html>>.

Grains Research and Development Corporation - Training Awards (Postdoctoral Fellowships, Senior Fellowships, In-Service Training, Industry Development Awards, Visiting Fellowships): Internal closing date: 20 October 2000. Web site: <<http://www.grdc.com.au>>.

Gastroenterological Society of Australia Awards For 2000: Grants, Travel Awards and Postdoctoral Fellowship for 2000 and 2001: Internal closing

dates: 20 October 2000. Web Site: <<http://www.gesa.org.au>>.

Australian Housing and Urban Research Institute (AHURI) - Project Funding: Final Proposals due 20 October 2000: Proposals to be sent directly to Andrew Beer at Flinders University.

Brain Foundation - Parkinson's Research Grant 2001 & Migraine Research Grant 2001: Internal closing date: 23 October 2000.

University of Calgary, The Calgary Institute for the Humanities - Postdoctoral Fellowships 2001-2002: Internal closing date: 23 October 2000. Web site: <<http://www.ucalgary.ca/UofC/Others/CIH/CIHApplication.html>>.

Sir Mark Mitchell Foundation - Research Funding 2001: Internal closing date: 24 October 2000.

Australia - Israel Scientific Exchange Foundation (AISEF) - Postgraduate Research Fellowship: Internal closing date: 24 October 2000.

Australian Greenhouse Office - Funds for Renewable Energy Projects: Internal closing date: 24 October 2000. Web site: <<http://www.greenhouse.gov.au>>.

The Ditchley Foundation - conferences: Internal closing date: 24 October 2000. Web site: <<http://www.anu.edu.au/cabs/general/ditchley.html>>.

Australian Academy of Science - Scientific visits to the USA, Canada & Mexico: Internal closing date: 25 October 2000. Web site: <<http://www.science.org.au/internat/exchange/usavis.htm>>.

National Heart, Lung, & Blood Institute, USA - Supplements for Embryonic Cryopreservation of Rats in Hypertension Research: Internal closing date: 26 October 2000. Web site: <<http://www.nih.gov/grants/guide/pa-files/PA98-98-009.html>>.

Australian Academy of Science - Award for Research on the Conservation of Endangered Native Animals: Internal closing date: 30 October 2000. Web site: <<http://www.science.org.au/awards/conservation.htm>>.

University of Jerusalem - Golda Meir Fellowships: Internal closing date: 30 October 2000.

Ramsay Memorial Fellowships Trust - 2001-2003 Fellowships: Internal closing date: 1 November 2000.

Rockefeller University - Rockefeller Archive Centre Residencies and Grants-in-Aid: Internal closing date: 17 November 2000. Web site: <<http://www.rockefeller.edu/archive.ctr/ac.giap.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.

Adelaide Postgraduate Coursework Scholarships: Available to students intending to enrol in a Masters by coursework at Adelaide University in 2001. Applicants must be Australian citizens or Permanent Residents; have completed four years of tertiary study and have been awarded a First Class Honours or equivalent. Awards are not available to those who will be receiving in 2001 another equivalent scholarship/award to undertake the proposed program. Closing: 31 October (Student Centre)

American Association of University Women - International Fellowships 2001-2002: Open to women to study at the graduate or postgraduate level in the USA. Value: \$16,860. Applicants are judged on academic excellence, professional potential, and on the importance of their studies to their home countries. Applications can be downloaded from the AAUW web site at www.aauw.org Closing: 15 December (USA)

Australia-Israel Scientific Exchange Foundation - Postgraduate Fellowship: Open to students enrolled in a postgraduate degree at an Australian university to spend up to six months working in a research laboratory in Israel. Value: up to \$5000. Further information and applications available from <<http://www.swin.edu.au/research/>>. Closing: 30 October (Vic)

Australian Postgraduate Awards/ Adelaide University Scholarships 2001: Available to students intending to enrol in a PhD or Masters by research at Adelaide University in 2001. Applicants must be Australian citizens or Permanent Residents, have completed four years of tertiary study and have been awarded a First Class Honours or equivalent. Awards are not available to those who will be receiving in 2001 another equivalent scholarship/award to undertake the proposed program. Closing: 31 October (Student Centre)

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

Cambridge Australia Trust Scholarships 2001 (including Packer and Poynton Scholarships): The Trust in collaboration with the Cambridge Commonwealth Trust in the UK are offering

12 scholarships annually for PhD, and others for one-year professional masters students. Total value of PhD scholarships is more than \$140,000. Enquiries to: the Honorary Secretary, Cambridge Australia Trust, GPO Box 93, Canberra ACT 2601, tel: (02) 6248 7744, fax: (02) 6248 6287. Full details available from <<http://www.anu.edu.au/cabs/scholarships>>.

Dairy Research & Development Corporation Postgraduate Study Awards 2001: Open to Australian citizens or Permanent Residents commencing in 2001 for research degrees to PhD level, training in extension and related disciplines. Available areas include manufacturing, farm research, industry analysis, agricultural extension. Closing: 23 October (Student Centre)

DR Stranks Travelling Fellowship: Open to Adelaide University postgraduate scholars to provide assistance for travel and other unavoidable research costs in relation with their research and investigations outside SA. Value: up to \$5000. Closing: 23 October (Student Centre)

Fujitsu Asia Pacific Scholarship Program: Applications are invited for the Japan-focussed Executive MBA (JEMBA) and the China-focussed Executive MBA (CHEMBA) programs offered by the University of Hawaii in conjunction with the Japan-America Institute of Management, Hawaii. Applications: Lynette Taylor (02) 9776 4790 or Petra Gillan (02) 9776 4533 or web: <<http://www.fapsp.com/apprequest.html>>. Closing: 20 October (NSW)

George Murray Scholarship: Open to Adelaide University graduates who wish to undertake postgraduate study or postdoctoral research in approved universities or other institutions outside of Australia. Postgraduate study tenable for up to three years, postdoctoral research tenable for one year. Closing: 31 October (Student Centre)

Gowrie Research Scholarships: When awarding the scholarships, consideration will be made to the character and other activities of the candidates, and special attention shown to lineal descendants of a member of the Forces who was killed on active service or who died as a result of any occurrence which happened during period of enlistment. Value: \$4000 pa. Closing: 31 October (Student Centre)

Health Research Scholarships: Offered by the Department of Health & Aged Care for research into the Quality Use of Medicines in Australia. Application kits can be downloaded from <www.qum.health.gov.au> or requested via email to <QUMEP@health.gov.au>, ph: (02) 6289 7706, fax: (02) 6289 8641. Closing: 25 October (ACT).