

Adelaidean

NEWS FROM ADELAIDE UNIVERSITY

JULY 17, 2000

Unearthing secrets of human skeletal remains

AN ADELAIDE University researcher is well on the way to finding the best method for detecting human skeletal remains in Australia.

PhD student Ms Kathy Powell's work has enormous implications for police in their efforts to locate missing people who they believe have met with foul play—in particular many murder cases which remain "open" due to a lack of a body.

Although only at a preliminary stage, Ms Powell's research in the field known as forensic anthropology is believed to be among the first of its type in Australia, and is significant because it focuses purely on locating bodies in the unique Australian environment.

Early findings from a mock gravesite maintained by Ms Powell at the University's Roseworthy Campus have been encouraging.

"We have buried three kangaroos to use as a test site for various forms of technology to be trialled as detection agents, and analysing the changes in environment for reliable visual surface indicators for gravesites," she said. "I am also burying three cadavers soon as another part of my research."

A critical component of this research on both the kangaroos and cadavers is time—time for the bodies to decay—as Ms Powell is detecting skeletal remains and not decomposing bodies.

"Preliminary findings certainly reveal that, unlike overseas police case studies, there is very little compaction of the soil, which in turn leaves no telltale depressions in the soil.

"In winter, revegetation regrowth makes it extremely difficult to detect any potential skeletal remains, so seasonal factors are important.

"There is some small indication of different vegetation for the three kangaroo gravesites, but it varies between the three, as I chose three typical case scenarios: one close to a tree, one near a log and one in the open scrub."

As well as researching the physical surroundings of gravesites, Ms Powell is trialling the latest geophysical technologies from around the world and applying them to this problem in a bid to find the most suitable for Australian conditions.

"Ground penetrating radar has become very popular recently but it has many confounding factors, such as tree roots being virtually undistinguishable," she said. "At the moment, I am examining the usefulness of 3D laser imaging for this purpose.

"Many of the geophysical instruments that have potential are used primarily for mineral exploration and are not constructed for shallow burials, so adaptation needs to be looked at further.



Ms Kathy Powell (above) at a mock gravesite at the University's Roseworthy Campus.

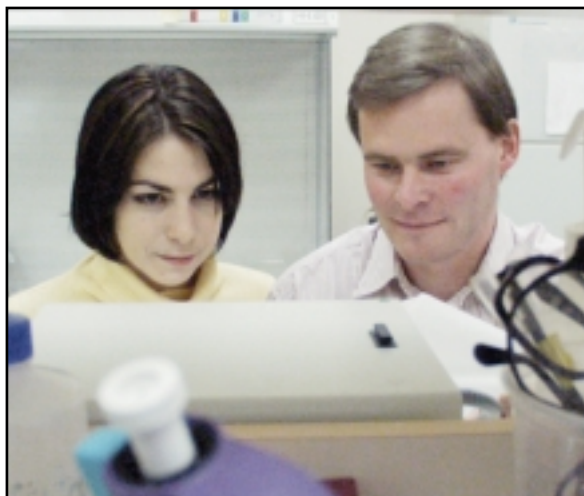
"Also at the moment, I am discussing the applicability of a new scanning instrument from the UK, and plan to test it over my research site."

More definitive findings will become available as the bodies decay further, with Ms Powell hoping to complete her PhD, which she is doing part-time, by 2002.

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Super-department for molecular biosciences



Professor Peter Rathjen reviews data with honours student Catherine Long. Photo: Rob Morrison.

A NEW department has been formed at Adelaide University, with the combination of the departments of Biochemistry, Genetics and Microbiology & Immunology.

The newly formed Department of Molecular Biosciences is headed by Professor Peter Rathjen.

The *Adelaidean's* science and technology journalist, Dr Rob Morrison, spoke with Professor Rathjen about the move.

Turn to Page 6 for the interview.

Alumni member fees abolished

ADELAIDE University's Alumni Association has taken refreshing and decisive steps toward heightened community involvement.

At the Association's 16th Annual General Meeting, held this month in the Napier Lecture Theatre, members engaged in lively debate about proposed major changes to the existing Constitution and, in particular, the abolition of membership fees for the Association.

The decision to remove the existing membership fee structure, which has now been replaced with a simple registration process for alumni and friends, has been enthusiastically supported by current members of the Association.

The proposal gained so much support that members voted for the proposal to be effective immediately.

The Alumni & Community Relations office has a newly developed registration form for those wishing to begin their involvement with the Alumni Association [see page 7 of the *Adelaidean*] and is hoping to provide online access to registration in the near future.

"Abolishing fees offers a very real opportunity for the Alumni Association to embrace a much wider community of graduates, staff and friends who have, in many different ways, been associated with Adelaide University," said the Chair of the Alumni Association, the Hon Mr Greg Crafter.

He also expressed his delight with the outcome of the meeting and said that he was particularly impressed with the enthusiasm displayed by members in supporting the proposed changes.

On behalf of the Alumni Association, Mr Crafter acknowledged many members who have contributed to the development of the Adelaide University community and expressed his confidence in an exciting future ahead.

Ms Rachael Oliphant, the Director of Alumni & Community Relations, said: "The Alumni and Community Relations office has been focused in recent months on reaching out to all alumni and friends. This decision allows us to foster stronger relationships with the Adelaide University community, including international alumni."

The constitutional changes adopted at the meeting are also in line



Greg Crafter and Rachael Oliphant. Photo: Ben Osborne.

with the Alumni Association's movement towards a more streamlined organisational structure. Based on recommendations from the recent review of the Alumni Office, the newly titled Alumni & Community Relations office is now able to become more active in the University community.

"Streamlining the structure of the Association is necessary to enhance our ability to embrace the wider community," Ms Oliphant said.

"We are now able to respond to community needs and to provide benefits and services which have a greater relevance to our members."

As a result of the recent changes, the Alumni & Community Relations office will be developing a relevant and contemporary range of services for registered members.

The Vice-Chancellor, Professor Mary O'Kane, said: "The bond between alumni and the University community is a valuable, long-term investment for all involved. I am grateful to all who contributed to what was a most important Alumni AGM."

—Sharna Pearce
Alumni Association

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COMMENTARY

HOW CAN WE IMPROVE POST DOCS?

Dr Evan Evans
Post Doctoral Fellow
Department of Plant Science

I was interested to read recently in the *Adelaidean* that a post doctoral fellowship (ie, non-tenured research worker) was still considered an "education/training" position. A quick perusal of the selection criteria or duty statements for recent post doctoral positions would quickly dispel this belief. Conversely, any university academic (post doctoral or tenured faculty) who is not constantly training and developing is stagnating!

In today's university, post doctoral fellowships are quasi-professional positions.

There is at least a tenfold oversupply of qualified PhDs for the available tenured faculty positions in Australia. This oversupply of PhDs, along with postgraduate students, is utilised by the universities to drive the research wheel, from which a considerable amount of the universities' prestige and income is based.

The post doctoral career is generally short-term and is based, if you are good and lucky, on a series of short-term contracts. This "flexible employment" philosophy has much in common with that employed by the hamburger industry. The apparent lack of suitably qualified students to undertake postgraduate scholarships suggests that the prospective student marketplace is fully aware of the limited future of the "McPhD" and "McPostdoc" career path.

This situation has, of course, been highlighted and discussed on many occasions. However, being part of a university we are expected to be innovative thinkers, which suggests that there should be some solution to this problem. The most obvious is money, but adequate funding is

unlikely in the current political environment. Rather than complaining further, I would like to suggest the following pragmatic strategies to alleviate the worst aspect of a career in research.

In many of the successful departments in the university, there has been a gradual attrition of tenured faculty staff due to budgetary constraints. In practical terms, this means that many faculty staff have most of their time allocated to teaching, administration and research grant supervision; so much so that a number of the granting agencies are now questioning whether the grantees have sufficient time to devote to new projects. This restriction could be overcome with a more widespread mentoring program for post doctoral fellows, not only to win grants to secure their own funding, but to initiate new projects to employ further research staff.

This strategy would require a change in attitude toward post doctoral fellows by the upper echelons of the university and could be beneficial to all. At the very least, whenever a post doctoral fellow is the successful initiator and primary author of a grant application, they should be allowed to be the first author or supervisor for that grant. In addition, encouragement in terms of payment of a proportion of the infrastructure funds associated with each successful grant would assist with building the research program and facilities of the post doctoral fellow. In short, post doctoral fellows should be treated as fellow professionals.

Perhaps the number one problem for post doctoral fellows is security of tenure in the current contract system. This is also an obstacle for the initiation and supervision of grants. For most research staff at this university who submit continuing grant

applications there is generally a high probability of success. However, this probability does not equal 1.0 because of the fickle and competitive nature of granting organisations such as the Research and Development corporations and the Australian Research Council in particular. Even with an excellent grant application, a researcher may miss out on the grant and lose their job with little notice if the application makes it through to later evaluation rounds. This small probability of failure plays heavily on the minds of professional research workers, particularly if they have a mortgage and/or a dependent family.

The solution is what I call a "safety net" or "second chance" grant scheme. If a grant application is culled at the later stages of the grant review process, then it automatically becomes eligible for a competitive subsistence grant for one year. This would allow for new and improved grant application/s to be submitted the following year for funding. It would also allow the completion of publication of manuscripts from the previous project, and prevent the loss of talented staff from the university. If the outcome of this approach was successful, the university would stand to benefit significantly in terms of its research quantum. I do not suggest that every failed research proposal merits re-submission, so I would envisage that the university would evaluate the unsuccessful grant applications on a merit and competitive, peer reviewed basis—thus the term "second chance".

Where would the money come from to fund such a scheme? One suggestion would be to change the system so that we could write into grants a small sum (ie 1-5% of grant total) to be put aside to fund such a scheme. It would then become a bit like an insurance policy and be self-funding. Another option might exist in the



“There is at least a tenfold oversupply of qualified PhDs for the available tenured faculty positions in Australia”

current round of enterprise bargaining. Perhaps part of the wage rise for post doctoral fellows could be offset to pay for such a scheme? Perhaps a combination of options would be the most practical solution.

With a fresh and innovative approach combined with a shift in attitude, I believe the university could improve the career prospects and satisfaction of post doctoral fellow research workers. This could be achieved at relatively little expense to the university and would have substantial benefits for all. It truly is an initiative which is long overdue.

Major conferences cook up a storm

ADELAIDE University played host to two major conferences recently: the eighth annual Conference of the Australian Society for French Studies and the Australian Historical Association's Conference 2000.

The three-day French Studies conference had the theme "The Arts of the Table: The Place of the Culinary in French Life and Culture".

Public lectures by Angus Trumble, Curator of European Art at the Art Gallery of SA, and Gabrielle Cadier from the Sorbonne were two of the many highlights. Another highlight was the practical demonstration and talk by

highly regarded French food authority Frank Francois (pictured) from Sydney.

The AHA conference had the theme "Futures in the Past", referring to the importance of understanding the past in seeking to shape the future. About 200 papers on a vast array of historical topics were presented throughout the course of the five-day conference.

Acclaimed social historian and commentator Dr Janet McCalman gave a public lecture as part of the conference, dealing with the issue of people's "sense of history"—something she believes is currently lacking for many Australians.



Unearthing the secrets of human skeletal remains

From Page 1

Ms Powell's research could be a boon to police, who presently have no reliable detection schemes available to them.

"There may be cases where it is strongly indicated that a victim may be buried somewhere within a large area," she said. "But it is often very difficult to find the body in these situations, and searches can be both labour intensive and costly. Expertise is expensive, and current methods are less than reliable.

"There are no methodological studies of this kind here in Australia and no systematic and reliable detection schemes developed based on scientific research, and hopefully my research can go a fair way towards redressing this."

Coincidentally, Ms Powell's full-time job is with the South Australian Police, the very organisation which stands to benefit most from her research - although not it in its forensics branch. She is a senior project officer with its Strategic Development Branch.

She said her interest in detecting skeletal remains is far from macabre, and is more to do with analytical problem-solving.

"People often ask me why I am interested in this - believe me, I'm not really that keen on the dead bodies themselves. My stomach starts to turn even if I open up a tin of cat food, so I'm not really that fussed by it all," she said.

"I'm more interested in the intrigue of it, the problem-solving behind it. We've got a dead body, but we don't know how to find it, so what steps can we go through in order to try and find it - that sort of thing.

"It's also valuable because it gives a sense of closure to both the police investigating the case, and more importantly, the family and friends of the victim involved."

—Ben Osborne

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LETTERS

TO THE EDITOR

Negative press



I have read through the news on Bangladesh ["Putting a human face to tragic Bangladeshi health crisis", *Adelaidean*, 3

July 2000].

From my first hand experiences and statistics I found this news was exaggerated and based on misinformation. For example, average annual income is about US\$270 (China around US\$330) not US\$25. Life expectancy is 60 not 55 (for more information see web address below).

I found this news was one sided and motivated. I would like to mention here some real statistics from Bangladesh.

Bangladesh is a fertile alluvial plain on the

delta of three main rivers, the Ganges, the Brahmaputra and the Meghna. The area is ideal for the growing of rice, tea and jute. There are vast rainforests and swamps. Recently it has discovered [the] biggest natural gas reservoir. It has got test status in cricket this week.

Major food sources from rice (86%) and wheat (14%). It is nearly self sufficient in rice, but receives wheat as food aid. Production and commercial imports meet 60% of the country's requirement for wheat. Only 8.6% food requirement comes from foreign aid.

Please let the people know the total picture of a country.

<<http://www.ausaid.gov.au/country/southasia.cfm>>.

Mohammad Motiul Quader
PhD student

Torch relay comes to town

OLYMPIC fever has gripped South Australia, and Adelaide University is among it.

Three of the key players behind the development of the Olympic torch fuel and combustion system are running in the torch relay. They are: staff members Dr Gus Nathan and Dr Richard Kelso, from the Department of Mechanical Engineering, and industry partner Mr Steven Hill, from the company Fuel & Combustion Technology (based at the University's Thebarton Campus).

Another member of staff, Mr Chris Brooke, an executive officer with the Division of Finance & Infrastructure, was also chosen for the torch relay.

Dr Kelso and Mr Brooke were officially selected by Olympic organisers to run in the relay, while Dr Nathan and Mr Hill are running as escort runners following an invitation from the Premier of South Australia, the Hon Mr John Olsen.

At the time of writing, all of the runners were due to take part in the torch relay on Sunday 16 July.

Pictured left are the torch and community cauldron in Tonga, as the torch made its way to Australia.

More information about the University's involvement in the Olympic torch can be found at: <<http://www.tec.adelaide.edu.au/>>.



Greater choice and better quality

It's a great time to be a student. Or to be thinking of taking up study again. This might sound strange at a time when public funding of universities is decreasing in real terms. Certainly a possible response to the fall in public funding is to cut the range and quality of offerings in universities. But we're seeing another phenomenon as well: attempts by universities to explore how they can work together in mutually-beneficial ways to increase choice and quality for students.

The way universities are interacting with each other and with private sector partners is bringing a new emphasis on the variety, mode and quality of higher education courses available. In Australia, when we think of universities working together, I suspect we tend to think of Universitas 21, the consortium of 18 universities from various countries. It has three Australian participants, the Universities of Melbourne, Queensland and New South Wales.

But there are plenty of other consortia. One, operating predominantly in the United States, is UNext.com, an internet education company which has a range of high-profile investors and has among its education partners Carnegie Mellon, Chicago, Columbia and Stanford Universities and the London School of Economics and Political Science.

The President of UNext.com Learning Systems, Donald Norman, described recently how UNext.com emphasises pedagogy and content and the structure of courses to promote learning through a rigorous process of course development and testing. All their courses are problem-based with substantive content. In addressing whether UNext.com courses are better or worse than those offered by traditional universities, Donald Norman said: "Our courses are of the same quality as the best traditional ones, but they are also very different, for they are aimed at a different audience, with the material delivered over different media and with no in-person interaction."

We might ask how this differs from the various distance-learning offerings provided by Australian institutions such as Charles Sturt University and Deakin University. Probably the big differences are the big brand names associated with UNext.com and the significant private sector resources available to the course developers.

There are other sorts of consortia, too. For example our course leading to a Masters of Science and Technology Commercialisation is offered by a consortium of ourselves, the University of Texas at Austin, and the Mexico-based Instituto Tecnológico de Estudios Superiores de Monterrey. We are also developing Masters courses with consortium partners at the University of Canterbury in New Zealand, Waseda University in Japan and the Universiti Putra Malaysia.

All these Masters courses have, or plan to have, a considerable video-conferencing element, not only for the delivery of lectures but also for tutorial and project groups, enabling students based in different countries to interact to solve problems or to produce major project solutions. As well as getting quality course material and challenging problems to solve, students learn how to communicate and interact effectively across cultural and technological boundaries.

We are bound to see more offerings from new consortia and groupings, public and private. As I said, it is a great time to be shopping around for university courses. And it will be an exciting and very challenging time to be working in universities around the world.

MARY O'KANE

Scammell honoured with engineer medal



FORMER Adelaide University Chancellor Mr Bill Scammell CBE has been awarded the Institution of Engineers Medal.

The national medal recognises achievements outside the membership of the Institution of Engineers, Australia by individuals who make substantial contributions to the economy or social development in Australia.

The Institution Council was impressed by Mr Scammell's extensive record of service to the community, his directorships of some of the State's most important companies, and his long career with FH Faulding & Co Ltd.

As well as his active participation with companies such as *The Advertiser*, the SA

Gas Company, Santos and AMP Society, Mr Scammell was Chancellor of Adelaide University from 1990 to 1997. He was also the joint Chair of the Mawson Antarctic Collection Appeal.

On his retirement from the University, Mr Scammell was awarded the degree of Doctor of the University in recognition of his high level of service to the University community.

In its nomination, the SA Division of the Institution of Engineers wrote: "As a prominent member of Australia's business community Bill Scammell has contributed to a significant 'culture shift' which has seen old barriers between higher education and industry progressively lowered and the University more willing to engage with the wider community."

Newest math stars shine in Adelaide

TWO mathematicians from Adelaide University have been jointly awarded this year's medal of the Australian Mathematical Society.

Dr Christine O'Keefe and Dr Mathai Varghese are both research fellows from the Department of Pure Mathematics.

The medal is awarded annually for work in the mathematical sciences conducted in Australia by a member of the Society who is under 40 years of age.

The two Adelaide researchers join a distinguished list of mathematical stars. Previous winners include former Adelaide University Vice-Chancellor Professor Gavin Brown, now Vice-Chancellor at the

University of Sydney, and Oxford's Professor Richard Brent.

This year's winners both specialise in geometry, although in very different fields.

Dr O'Keefe, a Queen Elizabeth II Fellow working with Adelaide University and the CSIRO, is the first woman to join the list of medal winners.

Her work has potential application in information security, an area of vital importance in the development of e-commerce and the internet.

Dr Varghese is an Australian Research Fellow who works in the application of mathematics to physics, particularly in what physicists call "the theory of everything".

He has recently been awarded a prestigious Clay Fellowship which will enable him to continue his research at MIT in Boston.

The medal winners were announced at the Mathematical Society's annual meeting in Queensland by Society President Professor Ian Sloan.

"Australia should be proud of the achievements of its mathematical scientists who continue to make a major contribution to knowledge and the economic and cultural life of the nation," Professor Sloan said.

"The Society is proud to acknowledge these two stars in awarding them this year's medal. I hope they will also be nurtured and treasured by the broader community."

Attack triggers security alert

A VIOLENT attack on a student near the North Terrace campus has prompted Security Services to issue an alert to all students and staff.

The student was walking to her parked car shortly after 7pm on 5 July when she was attacked from behind at Plane Tree Drive (near the Zoo). Her attacker was a male jogger dressed in a dark-coloured tracksuit and baseball cap. The student fought him off but suffered facial injuries and required stitches.

Security Services has urged all students and staff to report any other incidents or suspicions to the Security office at Hughes Plaza or to the police.

It has also issued a reminder about the Escort Service which is provided to the university community 24 hours a day. This service is available to anyone who has to walk around the University—or to and from

the University from off campus—and does not feel safe doing so alone. A security officer can escort you on foot, or in a security vehicle. To ensure that someone is available when you need them, it is best to give the Security Office prior notice if you would like to use the service.

This is a free service to staff and students for occasional situations of safety. If you expect to be working late regularly you should try to make arrangements to walk with other members of staff.

Security Services offers the following additional advice for night time personal safety:

- be alert and aware of your surroundings
- avoid dark, vacant or deserted areas; use well-lit, well travelled routes
- dress in clothes and shoes which will not hamper movement.

If you sense you are in trouble, you should:

- move away from the potential threat if possible



- join any group of people nearby; cross the street and increase your pace
- if a threatening situation is imminent and people are close by, scream or make a commotion to get their attention
- go to an open shop or business
- call campus security from a safe location; use campus emergency phones where available.

Dairy industry to take cues from wine: report

AUSTRALIA'S deregulating dairy industry can learn important economic lessons from its booming wine counterpart and become another export-led success story for Australia, according to the latest research from Adelaide University.

A discussion paper written by the director of the University's Centre for International Economic Studies, Professor Kym Anderson, says the dairy industry is already poised to build on its own achievements of the past 10 or so years—but could expand even further if it heeds the example of wine.

"There is no more spectacular rural economic success story in Australia than the wine industry during the past decade," Professor Anderson said.

"Increased export demand explains much of the industry's growth over the 1990s, and has come about mainly through an increasing emphasis on quality, and a much bigger effort trying to boost Australia's image overseas as a producer of good value-for-money wines.

"The clearest implication for the dairy industry is that dramatic export-led expansion is possible, but not without substantial hard work and large investments of time, effort and money.

"This effort must be invested in all three stages of the production process: primary production, processing, and marketing and distribution."

Professor Anderson said the dairy industry was being forced to compete more at a global level: it became fully deregulated on 1 July 2000,

after decades of being supported by domestic consumers via artificially high prices.

"While this means increased competition for local producers at a national level, it means the industry will be regarded more favourably by other countries as it strives to increase its profile outside of Australia. In particular, it will make it easier to try and convince other countries to provide greater market access for Australian products when we have no protective regulations in our own country," he said.

Professor Anderson's paper, *Lessons for Other Industries from Australia's Booming Wine Industry*, identifies five key strategies which could be considered by the dairy industry in light of the wine industry's phenomenal growth in the past decade:

- Market opportunities—need to be identified and reinforced. For example, demand in both Australia and other countries for high quality specialty products (such as non-cheddar cheeses), and for reduced-fat products including liquid milk, is increasing quickly. Another area which should be expanded is both domestic and export sales of speciality cheese as sales of premium wines grow, given the strong relationship between wine and cheese consumption.

- Exploiting economies of scale—in marketing and distributing dairy products, especially overseas, which may not be fully exploited yet. To do that probably involves further mergers, acquisitions and contractual and alliance partnerships among dairy manufacturers,



perhaps even across national borders (most obviously with New Zealand).

- Reducing production costs—for dairy farmers. This has been made easier by the generous structural adjustment assistance funding which enables those remaining to expand and modernise.

- Investing in technological innovation—both for the farm and for processing. This is likely to have higher payoffs in a less-regulated environment, because incentives for change are now going to be less muted.

- Improved relationships—the relationship between dairy farmers and milk processors needs to be strengthened so as to better ensure market signals received from consumers by processors are more efficiently passed back to farmers.



Centre for International Economic Studies director, Professor Kym Anderson.

"In summary, the dairy industry is poised to build on its remarkable achievements of the past decade or so as the last stage of deregulation proceeds, and it has the potential to become another expert-led success story for Australia," Professor Anderson said.

"Australia could become a strong international competitor, particularly if it heeds the lesson from wine that efficient targeted marketing and distribution networks in export markets are essential."

—Ben Osborne

Oxford VC at Adelaide



THE Vice-Chancellor of Oxford University, Dr Colin Lucas, will visit Adelaide University in September.

Dr Lucas will be guest of honour at an Oxford University alumni

reception in the Mitchell Building on 13 September.

People with links to Oxford University (e.g. graduates, researchers, exchange students etc.) should contact the Vice-Chancellor's Office if they would like to receive an invitation to the reception. Phone or email Carol Greenwood with details, tel. 8303 5201, <carol.greenwood@adelaide.edu.au>.

English journal soars to new heights

A NEW electronic journal which aims to promote innovative postgraduate writing has been launched by two Adelaide University postgraduate students.

Altitude, founded and edited by Emily Potter and Robyn Tucker, was launched in March in conjunction with the Adelaide Festival's Writer's Week, with the support of Adelaide University's English Department, the Faculty of Humanities and Social Sciences, and the South Australian Writer's Centre.

The editors said *Altitude* is fully refereed and focuses on postgraduate writing in textual and cultural studies. Their aim is that it will create an accessible space for publication of new postgraduate writing—and hence foster confidence among postgraduates Australia-wide—as well as bringing a creative, innovative and productive

atmosphere to Adelaide University.

"Accordingly, the journal's first edition contains articles submitted by postgraduates from a variety of universities around Australia as well as Adelaide," they said.

"It deals with contemporary readings of subjectivity, including articles on the suburban gothic, politics of autobiography, issues of spatiality and the ideologies of popular self-help texts, as well as two creative pieces."

Altitude's second edition is due in October. Its theme is "dreamscapes": the possibilities of utopic or nightmare visions, 'outside' and 'Other' places/imaginings/spaces. Submissions are welcomed by 1 September.

Altitude can be visited at <<http://www.adelaide.edu.au/English/altitude.htm>>.

—Ben Osborne *Altitude* editors Robyn Tucker (left) and Emily Potter. Photo: Ben Osborne



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Festival of Ideas explores the strange secrets of the mind

ONE of the world's leading scientific writers and thinkers on the subject of the mind will hold a public lecture at Adelaide University.

"Secrets of the Mind" is the title of the lecture by Professor Graham Cairns-Smith, to be held on Monday 24 July at 7.30pm in Elder Hall.

Following on from the success of the inaugural Adelaide Festival of Ideas in 1999, "Secrets of the Mind" is the first in a series of conversations entitled "The Life of the Mind Continues", planned in the lead up to the 2001 Adelaide Festival of Ideas.

Professor Cairns-Smith is an Honorary Senior Research Fellow at Glasgow University who has published six books on the origins of life, consciousness and the nature of science. A highly original thinker whose work is well

regarded by the scientific world and general public alike, his most recent book, *Secrets of the Mind: A Tale of Discovery and Mistaken Identity*, will form the topic of the Adelaide lecture evening.

In a witty, provocative and highly accessible manner, he discusses fundamental questions about "mind and matter", the nature of consciousness itself, and the question of free will.

"Mind and matter are both strange, but they belong to the same world," he said.

Physicist, writer, broadcaster and lecturer Dr Paul Davies will host "Secrets of the Mind" and engage Professor Cairns-Smith in conversation about the issues of mind, science and consciousness.

Tickets for "Secrets of the Mind" are \$15.00 and \$10.00 concession from BASS: 131 246.

Tailoring new cotton genes for industry

IT was once the proud boast that Australia rode on the sheep's back. We were known worldwide for the quality of our wool, and export income showed it. Synthetic fibres changed that picture. Modern fabrics are often blends of natural and man-made fibres, and Australian wool exports have suffered accordingly.

The other major natural fibre is cotton. Traditionally grown offshore, it has recently been introduced as an Australian crop. Like wool, it is often blended with synthetic fibres, but Adelaide University scientists are working to improve the quality of natural cotton fibres themselves.

Cotton fibres are unique. Each is a single cell up to 2.5 cm long. Thousands of them together form a white, fluffy cotton boll that is harvested when mature, and all the fibres from a single boll are developmentally identical. Identifying and modifying the genes that control the development of these fibres promises many potential benefits in changing their properties and, therefore, the properties of threads and fabrics produced from them.

In Australia, Upland cotton is mainly grown in Northern New South Wales and Southern Queensland. In the 1998-1999 season, 553,000 hectares were planted to cotton, with 15% of the crop being genetically modified (transgenic).

Ingard, Australia's transgenic cotton, has a natural resistance to a major pest, the cotton bollworm. Growth of Ingard cotton has resulted in a drop of 40-50% in overall pesticide use as measured over three seasons from 96-99.

90% of Australian cotton is exported to buyers in Indonesia, Korea and Japan and its value is more than \$1 billion per year, recently overtaking export earnings from wool for the first time. Lake Tandou near Broken Hill grows Pima cotton; lower-yielding than

Upland cotton but finer, and exported mainly to Italy and Switzerland.

Dr Sharon Orford and her colleagues in Adelaide University's Genetics Department are interested in the regulatory aspects of fibre development. They have already characterised several genes that are expressed only in fibre cells. "We are trying to elucidate the answers to questions such as why only one in four epidermal cells elongates," said Dr Orford.

The project, which began in 1992, is funded by the Cotton Research and Development Corporation (CRDC), and aims to improve cotton fibre quality by genetic engineering. It is a challenge which means not only identifying but modifying genes that find their expression in fibre cells.

"We have isolated the controlling regions, or promoters, of these genes and they are being tested in transgenic plants," said Dr Orford. "If they are fibre-specific, they can be used to drive the expression of other genes, such as pigment genes," she said. "Manipulation of genes such as these could improve the fibre characteristics or increase the number of fibres, and therefore the yield, of each boll."

The most promising fibre-specific gene for such manipulation encodes a protein called "Expansin", pivotal in the control of plant cell growth. Expansin in cotton is encoded by a complex gene family. PhD student, Sarah Harmer, is being funded by an ARC-SPIRT grant to characterise the members of the family. The industrial partner in the research is Cotton Seed Distributors (CSD).

While the end result will be to improve cotton, the researchers use results from other plant systems which offer possible short-cuts to successful manipulation of cotton fibres. One such plant is *Arabidopsis thaliana*. Cotton has 52 chromosomes, an enormous genome, takes three months to flower and is difficult to transform. By contrast, *Arabidopsis* has a small, simple genome and a short generation time. It is readily grown in the lab and

easily transformed.

Arabidopsis has been used as an experimental system for many studies on plant development and cell-cell interactions, and a large number of mutants have been characterised at the molecular level. The genome of the species, being sequenced by an international consortium, is 90% complete and will be finished by the end of the year.

"*Arabidopsis* does not grow long fibres, but it does grow trichomes," said Dr Jeremy Timmis, who works with Dr Orford on the project. "These are leaf hairs that, in their early stages, closely resemble the early development of cotton fibres. By isolating and characterising cotton genes that correspond to the *Arabidopsis* genes, we hope we can find out how cotton fibres are initiated," he said.

The common practice of blending natural and synthetic fibres suggests that transgenic cotton could usefully be modified to provide fibres with different characteristics. In America, an experimental form of transgenic cotton has a gene for a polyester compound, and produces fibres with superior insulating qualities. More conventional parameters for measuring cotton fibres involve their length, strength and fineness; qualities that are primary targets in the Adelaide University research.

The CRDC- and CSD-funded research is complemented by results from an Honours student, Katherine Malone, who is investigating how particular genes form proteins that control aspects of fruit, ovule and seed development in plants. A chance discovery showed that at least one of these genes affects the growing cotton fibres, and Ms Malone's project involves finding out more about them.

Knowledge of the genes which are expressed in cotton fibres will contribute to our understanding of how these unique cells develop, and may ultimately provide a basis for genetic engineering of fibre properties in Australian cotton varieties.

—Rob Morrison *Mature cotton bolls.* Photo: Rob Morrison.



Dr Sharon Orford with young cotton plants. Photo: Rob Morrison.



—Rob Morrison *Mature cotton bolls.* Photo: Rob Morrison.

Quiet zones bring polite phones a step closer

THANKS to a shared zeal for courtesy, a global solution to the growing irritation of mobile phones ringing in public places will soon be available with the development of 'quiet zones' using a new technology called Q-Zone.

Adelaide University's Centre for Telecommunications Information Networking (CTIN) and BlueLinx Inc., of Charlotte, North Carolina, have formed a strategic partnership to develop Q-Zone, a politeness feature for mobile phones, and to collaborate on future wireless applications.

Q-Zone is an optional location-based courtesy feature that allows public venues to control audible interruptions from mobile phones and other wireless electronic devices.

The system creates "quiet zones" in areas such as restaurants, theatres, conference rooms and churches by automatically lowering alert tone volumes while users are inside the zone. When users leave the zone, alert systems return to normal settings.

"As mobile phones continue to provide more services, consumer demand for new features like Q-Zone will also increase," said Jeff Griffin, President and CEO of BlueLinx.

"By combining our efforts with CTIN we can provide consumers and the wireless industry



with timely solutions to their needs."

According to company officials, the cooperative effort will streamline research and development of additional products, allowing manufacturers to bring new applications to market faster.

"Q-Zone is our first joint project and represents an effort at bridging the gap between consumer demand and industry goals," said Professor Reg Coutts, Director of CTIN.

"Q-Zone is the perfect vehicle to address consumer concerns about courtesy assistance and the wireless industry's desire to respond to market demand."

—Collette Snowden

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INTERVIEW

MOLECULAR BIOSCIENCES TAKE CENTRE STAGE

ON 5 June, the departments of Biochemistry, Genetics and Microbiology & Immunology combined to form a new Department of Molecular Biosciences.

Professor Peter Rathjen was elected the Head of the new Department, with Associate Professor Graham Mayrhofer its Deputy Head.

Rob Morrison spoke to Professor Rathjen about the merger, the background to it and the advantages expected to flow from it.

Departmental mergers mean considerable upheaval. Why do it?

There are two reasons why it's an appropriate time to do this. The first is that in September we move into a new building which will house the three departments of Genetics, Immunology & Microbiology and Biochemistry.

By coming together as a super department, we can make some very sensible rationalisations; not in terms of job losses, but in effective support for academic staff. The new building is going up now, so it is sensible to be planning that building from the point of view of a single cohesive, academic unit.

The second is that we desperately need to put our footprint on national science. Fifteen years ago South Australia led molecular bioscience in the country. We've started to fall behind, and in one hit we will re-establish our national standing. I say that because scientists from interstate are already beginning to comment on the national profile of this building and merger.

These three disciplines are in the forefront of research now, but how long before this amalgamation needs to be reviewed?

The kind of research represented in the Department of Molecular Biosciences is going to dominate biology and biotechnology for at least the next 20 years. For example, we are just starting to see the development of fields like genomics, which will be represented in this department.

There must be a fair amount of cooperation between the existing departments already, so how will a merger help?

In fact there is much less collaboration across those departments than you might think, so what we expect to see is the emergence of new research and teaching collaborations. That's more exciting than it sounds.

I don't think I could sit here and tell you that it will be this, that or the other area that will

benefit specifically from this amalgamation; what will occur is that by putting together people with cognate but diverse skills and interests, we'll start to see more progress at the edges of the disciplines. That's where everyone accepts that the real breakthroughs get made.

The experience we've had in Biochemistry in the past three years is a microcosm of what we should see in this new department. We're getting into new areas, and as we start to see research success, we'll see academic commitment to those areas start to become more widespread, so that in the end it's not just one research group involved.

Other research groups tackle these sorts of questions in their own way. That should happen on a much larger scale in this new building. Someone will make a breakthrough somewhere, everyone will be aware of it, and suddenly you'll get people collaborating, getting joint grants and so on, to work in those areas from their own perspectives.

Thirty years ago, single discipline scientists had the edge and multi- and inter-disciplinary academics were less in favour. Many of the growing points in research now seem to be interdisciplinary.

This is a big question. To have interdisciplinary research, of course, you have to have disciplines in the first place. I worry about people becoming jacks of all trades and masters of none by trying to be interdisciplinary in themselves. The powerful places are those that take specialist discipline-related skills and somehow create an environment where these people with those diverse skills come together to solve important problems.

How will you do that in this new department?

In two ways. The key first point is that you need outstanding people who are motivated by solving research problems. And there we're incredibly lucky in this new department. The three departments that are coming together already provide a strong research base.

They're already tackling areas that are currently at the forefront of biological investigation and of critical importance, I think, is the fact that we have in the new department, outstanding young researchers, who can be expected to build strong and innovative research programs. In this we will benefit from co-location with the SRC for Molecular Genetics of Development, which is made up of members of the

“The sorts of research we're doing are starting completely to change the way we think about biology and life”

department.

My feeling is that people with the right sorts of motivation can't do anything other than get excited by what each other is

doing, and contribute across these discipline boundaries.

So the first lesson is that we've got to have the very best people, then putting them together will make sure these sorts of things happen.

The second point is simply to provide an environment where that is allowed to happen. That means managing to remove obstacles to collaboration, which is fairly trivial to begin with, I think, in the right environment, and secondly, giving people the quality time to enable them to sit down and really get to grips with what each other's doing.

You've got to remove the distractions and the administrative requirements that can divert them onto less profitable activities.

Is the merger dictated by the nature and content of the disciplines and their compatibility, or really because the state that the three are in at the moment makes them fortuitously ripe for combination?

I think it is something of both. The initial reasons for merging are probably already lost in the history of the last six months as we've been coming together.

What's been very refreshing to me has been that, as we've started to discuss how this merger's going to work and what it will mean, an initial caution over the merger has been replaced by enormous enthusiasm for the opportunities which ought to be there.

We don't pretend we know exactly where those opportunities are; nor should we because this is basic research that we're talking about, but I think we're all now very relaxed about the fact that we're going to find them.

The research areas that the new department will tackle have awakened a huge public interest in the ethics involved. Why do you think that is?

Clearly we are in an area which is at the ethical forefront. The sorts of research we're doing are starting completely to change the way we think about biology and life, so one would have to anticipate major ethical interest simply because our understanding of how it all works has turned out to be wrong, or at least modified, in the past two or three years.



Professor Rathjen.

Research performance

Separately and collectively, the three merging departments have established an impressive collaborative research record, including their involvement in:

- SRC for Gene Technology [1980s];
- CRC for Tissue Growth and Repair [1990s-2000s];
- SRC for Molecular Genetics of Development [2000s];
- CRC for CRC for Pest Animal Control [2000s];

As well as:

- ARC special investigators;
- establishment of various commercial enterprises, including Geneworks, BresaGen and GroPep;
- coordinating departments for first generation specialist science degrees BSC (Molecular Biology), BBiotech;
- several Fellows of learned academies;
- inaugural BHERT award for outstanding collaborative Research and Development;
- many national and international awards to individual researchers.

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Equipment upgrade to make little critters larger than life

THE STATE-of-the-art Olympus Imaging Unit in the Department of Environmental Biology has just received its first equipment upgrade.

Opened in March this year, the unit is principally being used for the "Ticks of the World" project run by Dr Ross Andrews and Dr Trevor Petney, who are leading a worldwide effort to record and describe every known tick.

Dr Andrews said the upgrade involved the installation of an Olympus DP11 digital camera onto the Olympus SZX12 stereo microscope.

"The DP11 permits image recording with a range of resolutions depending on requirements," he said. "For the most exacting work the highest resolution is now 2.5 million pixels per picture, whereas the previous camera had a maximum of 1.2 million pixels.

"This improvement will permit greater enlargements of images before picture quality is affected. The number of images which can be stored in the camera before down-loading to a computer has also been increased by the use of a 32 megabyte Smartcard in place of the earlier 8 megabyte card, or four times as many pictures".



Dr Andrews said although the Olympus Imaging Unit was designed primarily for the Ticks of the World project, other University staff or others were allowed access to the microscopes similar to CEMMSA. Preliminary enquires should be directed to Dr Andrews, with subsequent arrangements to be made through consultation with Olympus Imaging Unit microscopy manager Bruce Dixon.

Award goes to veteran Adelaide architect

AN ARCHITECT who started in the field by building his own house 50 years ago has been awarded the most prestigious architecture medal in South Australia.

Mr Robert Dickson, a Visiting Research Fellow with Adelaide University's School of Architecture, Landscape Architecture & Urban Design, was awarded the President's Medal of the SA Chapter of the Royal Australian Institute of Architects (RAIA).

Mr Dickson was presented with the medal on 7 July at the Adelaide Convention Centre.

The award, made possible by the generous support of the family of the late Sir James Irwin, is the highest accolade which an architect can receive from the Institute's SA Chapter. It is given in recognition of exemplary service to and the promotion of architecture in South Australia.

SA Chapter President Mr David Parken said Robert Dickson has achieved an enormous amount through architectural practice spanning five decades.

"From his earliest work in 1949, being his own house which he constructed himself, through to the award-winning extensions to the Art Gallery of South Australia completed in 1996 in association with Peddle Thorp in Sydney, Robert has maintained a consistently high standard of design," he said.

Mr Dickson became an architectural student in

1946 and commenced private practice in 1957. He was in partnership with Newell Platten from 1958-73 and then in sole practice to the present day.

His first effort in 1949, while still a student at School of Mines and Industry, was his own House at Morialta. At the same time he also designed and built a house for his mother in Torrens Park. His house gained considerable publicity and was the only South Australian house featured in the London Exhibition of Australian Architecture in 1956. Mr Dickson still lives there.

In 1957 he commenced practice in Adelaide where he began an intensive 10-year association with Hungarian entrepreneur Istavan Zsolt. The firm won major commissions from Adelaide University, including Kathleen Lumley Postgraduate Student College and the redevelopment of the University Union. The former won the Chapter Award of Merit in 1969 and the Union redevelopment won the Award of Merit in 1975, while the Union Bookshop won a Citation in 1972.

Mr Dickson is known for his many and varied works, including the Arkaba Corner project, which won the Award of Merit from RAIA SA Chapter in 1966 and was exhibited in Expos at Montreal and Osaka, the design of the Old Gum Tree Conservation Shelter, which gained the 1989 Civic Trust Award, and the award-winning Memorial Clock Tower at Salisbury. He was RAIA SA Chapter President from 1978-80.



Back in the days: Union House and the Cloisters as they appeared in the 1970s. The redevelopment of the University Union was one of the many projects taken on by Robert Dickson.

"Robert's career demonstrates a consistent commitment to quality design solutions incorporating materials presented mainly in their natural form together with a resolution of details that leave the builder in no doubt of his

intentions at every junction," Mr Parken said.

"I believe his achievements deserve recognition by me and my fellow architects, many of whom have in some way been encouraged and inspired by Robert's work."

Adelaide University Alumni Association Registration Form

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All information provided on this form will be added to the University's Alumni and Community Relations databases for University and University related purposes only and will not be passed on to any third party not affiliated with the University.

Queen's Birthday Honours

THE University of Adelaide Alumni Association would like to congratulate the following alumni whose contributions to their field and to their community were recently acknowledged in the Queen's Birthday Honours list:

Officer in the Order of Australia (General Division)

Ms Robyn Archer

Mr Brian Croser

The Hon John Sydney Dawkins

Professor Robert Matheson Douglas

Dr John Orde Poynton

Professor Milton Reginald Sims

Member in the Order of Australia (General Division)

Dr Thomas Anthony Hanson

Mr Guy Claude Maron

Dr David Murray Roder

Mr Philip George Scales

Dr John Winston Turnbull

Officer in the Order of Australia ((Military Division)

Group Captain Roger Alan Capps

Medal of the Order of Australia (General Division)

The Hon Brian William Chatterton

Mr Ronald Ley Hooper

Public Service Medal

Mr Thomas Frank Whitworth

Australia Fire Service Medal

Mr Michael Gerard Smith

Leading researcher brings good news about HIV/AIDS

ADELAIDE University alumnus Professor Peter McDonald was the guest speaker in the second of the 2000 series evening talks organised by the Science and Mathematical Sciences Chapter of the Alumni Association.

Professor McDonald was made a Member of the Order of Australia in 1994 for his dedication and service to medicine and is currently Head of the Department of Microbiology and Infectious Diseases at the Flinders Medical Centre. He has played a key role in the development of national strategies relating to treatment, prevention and research programs in the control of highly infectious diseases. More recently, he played a major role in health system reform and has been involved with the establishment of SA HealthPlus which is a new management support system being trialled in SA for people with ongoing, complex health conditions, such as HIV/AIDS.

Professor McDonald reported on the recent announcement by the Federal Minister for Health and the Aged, Dr Michael Wooldridge, and Federal Minister for Industry, Science and Resources, Senator Nick Minchin, of a US\$27 million grant as part of a contract signed between a consortium of Australian Universities and the US National Institute of Allergy and Infectious Diseases.

According to Professor McDonald, this grant was considered by Dr Wooldridge to be the largest scientific research grant ever recorded in Australia. Professor McDonald explained that the contract is one of four public/private partnerships formed to accelerate the development of promising HIV/AIDS vaccines for use

around the world. The new collaboration will provide strong incentive to move HIV/AIDS vaccine candidates out of the laboratory and into trials involving human testing. The US National Institute of Allergy and Infectious Diseases has committed to spend approximately US\$70 million over the next five years on the contracts.

Professor McDonald's presentation described HIV as an emergency of global proportions, praising over a decade of HIV research and public health action which has helped contain the spread of HIV in Australia. He drew comparisons with Africa where countries faced the prospect of a century of poverty and struggle through the loss of an entire generation to HIV/AIDS.

With the aid of some excellent illustrations, Professor McDonald explained the 'prime and boost' vaccine technique which, together with a patented technology, encourages cell immunity, i.e., white blood cells that fight HIV infection. Current treatments require two DNA vaccines and two fowlpox virus boosts. The plan is to improve the treatment with fewer vaccinations. New vaccines, to be manufactured in Australia, will be evaluated in two clinical trials; the first in Australia, the second in a developing country.

The next talk in this evening series is entitled, "The Detection and Identification of Illegal Pharmacologically Active Substances" and will be presented by Noel Sims on Wednesday, 30 August 2000 at 7.30pm in the Rennie Lecture Theatre. Keep reading the Alumni page for further details on this talk and other programs offered by the Alumni Association Chapters.

Feast of fine music in Elder Hall continues

THE LAST weekend in July features a feast of concerts in Elder Hall guaranteed to appeal to all musical tastes.

The Elder Conservatorium Lunch Hour Concert Series for Semester 2 commences on Friday 28 July at 1.10pm with a "farewell" concert by popular lecturer and jazz vocalist Connaitre Miller.

After six years at the Elder Conservatorium, Connaitre is returning to the United States to take up a new position at the Cypress Community College near Los Angeles.

Connaitre will sing a selection of her all-time favourite jazz standards, and will be joined by Mark Ferguson (piano), Shireen Khemlani (bass), John McDermott (drums) and Nick Mulder (trombone), along with a special appearance by the Adelaide Connection. Don't miss this last chance to hear Connaitre in concert!

The Bach Festival 2000 is off to a spring start with four Lunch Hour concerts from 5-8 September.

Semyon Kobets, Head of Strings at the Elder Conservatorium, has been appointed Honorary Coordinator, and guest artists include the Adelaide Philharmonia, conducted by newly appointed Music Director Timothy Sexton, and the Sinfonia South Australia Chamber Orchestra, under the leadership of Artistic Director Russell Larkin.

Guest violinists include the Adelaide Symphony Orchestra's Margaret Blades and international artist Natsuko Yoshimoto.

Lunch Hour concerts are still only \$3.00 (including GST). The 2000 Lunch Hour Concert Series is supported by the Doris West Bequest, ABC Classic FM, Beta Sigma Phi, 5UV-5MBS and Orlando Trilogy.

On Saturday 29 July at 8.00pm as part of the Evening Concert Series, the internationally acclaimed Australian String Quartet performs a powerful and passionate chamber concert.

The program includes Hugo Wolf's sunny "Italian Serenade" and the "hit" of the recent Adelaide Festival, Roger Smalley's "String



Connaitre Miller.

Quartet No. 2", commissioned by the Australian String Quartet.

Profound and lyrical, Schubert's mighty "Death and the Maiden" provides the power-packed centrepiece for this magnificent evening.

Three-concert Subscriptions for the Evening Series are still available through BASS, with savings of up to \$4.00 per ticket.



The Australian String Quartet.

Finally, on Sunday 30 July at 3.00pm, the Organ Music Society in association with the Elder Conservatorium will present an organ recital of works by leading Australian organist Christopher Wrench.

Lecturer in Keyboard Studies at the Queensland Conservatorium of Music, Christopher is an internationally renowned early music specialist. Throughout 2000 he will perform the complete organ works of JS Bach in this 250th anniversary year. As part of this monumental undertaking, join us for this very special Bach concert.

Admission is free, but donations are warmly welcomed.

—Diana Kidd
Elder Hall Concert Manager

The 2000 Elder Conservatorium Concert Series Subscription brochure and the full Lunch Hour Series program are available from the Elder Conservatorium office. For more information, call (08) 8303 5925 from Wednesday to Friday.

Adelaide percussionist takes music to world stage

AN ADELAIDE University music graduate and now world-class percussionist believes many more Adelaide students could follow in his footsteps and succeed on the world stage—they just have to be more confident about their abilities outside the local community.

Tim Jones graduated from Adelaide in 1995 and has spent the last three years obtaining his Masters in Percussion at the University of Las Vegas-Nevada.

He said after spending time in Australia and the United States, he has realised the supposed gulf in players' abilities from both countries is next to nothing.

"That was one of the first things that I noticed, that the musicians Australia produces more than compare with those in America," he said.

"It's a mindset that a lot of musicians over here develop, that they couldn't possibly compete with the musicians from the US—and from what I've seen, we compare more than favourably with what is coming out of the US.

"It's really a matter of the size of the population: because the US has more than 10 times our population, there's going to be that many more musicians being produced. But that doesn't necessarily mean they are better.

"We get CDs sent over here from the US which feature only the very best players who have attracted the attention of the record companies. But what about the countless others who aren't good enough to cut CDs? The musicians in Australia don't hear what these people are doing, and can only go by what the absolute cream is doing, which reinforces the stereotype that all musicians in the US are that good, and that's far from the truth."

Mr Jones attended Adelaide University from 1991-95, graduating with a Bachelor of Music and an Associate Diploma in Jazz. He moved to UNLV in 1997, where besides working towards his Masters, he also has played in many Broadway shows travelling through Las Vegas. He will return to UNLV soon in order to begin his PhD in percussion.

He said he chose to continue his career in the US because of limited career opportunities in Australia, and encourages any other musician—jazz or classical—to consider working overseas as a career option.

"There are plenty of things musicians can do for work in Adelaide or Australia, but for me personally, I wanted to see how far I could go.

"Eventually I just said to myself that I have to have a go of it, to go overseas and to see how I got on, and so far it's working out fantastically well.



Percussionist and former Adelaide University student Tim Jones. Photo: Ben Osborne.

"I would encourage any musician thinking about heading overseas to strongly consider it—it's one of those things where you don't know how it will turn out, but I think the quality of

musicians that we have here in Australia will mean most of them will be pleasantly surprised at how well they fare."

—Ben Osborne

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MYRTLE BANK: Large br with b-in robe & b-in desk, en suite, share kitchen & living rm, off street parking; mature person pref. \$130 pw + 4 week bond + general exp. Ph Sharon 0414 700 129.

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WANTED: House and car - US Prof wishes to buy used car/minivan and rent 3 br house close to public schools and transport. Arriving 15 Aug for 10 mths. Email: <rbmartin@ucdavis.edu>.

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AGAPANTHUS: Cobalt blue, 150 plants, \$70 the lot or will

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MAC PERFORMA: 580's. Email: <david.foley@adelaide.edu.au>.

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MISC: Victorian cedar oval table, 104cm x 80cm with tripod base, \$740. 2 Jacobean

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MISC

SA MENSA: (Social club for people with IQ in top 2%) has special discount testing session, \$20. Ph 8294 0725 or 8362 1227 to arrange home pre-test (\$35).

Project Endeavour: Easing into the new Student Administration System

Changes to the planned roll-out of functions involved in the Student Records and Student Financials modules of the new Student Administration System, recommended by the Executive Steering Committee of Project Endeavour, have been approved by the Vice Chancellor.

The revised schedule is designed to phase in aspects of the new system in line with major operational requirements over the period October 2000 to May 2001 instead of a complete cut-over from the old system to the new on 31 October.

The changes, detailed below, are in response to risks identified by the project staff and their client reference groups. These include

- concern amongst operational managers and super users about the extent of the process change required to implement the system successfully and the anticipated clash of the roll-

out with existing workload peaks,

- the pressure on staff resulting from the overlap between becoming familiar with the new system and undertaking degree checks and other tasks associated with preparations for the graduation ceremonies in December 2000,
- the difficulty in assembling the level of technical resources to undertake the data conversions and development of interfaces to other systems,
- the need to deliver a high volume of training modules timed to suit the end users in small administrative units in faculties, schools and departments,
- the need to smooth the demand on training resources associated with the parallel roll-outs of the Student System and the next stages of the Finance, Research and HR systems.

In the revised plan the SIS will be used to

complete the processing associated with the 2000 academic year with the new system being progressively used for 2001 and beyond.

The revised schedule is as follows:-

31/07/2000 The Admissions module will be implemented to support recruitment, application, evaluation and selection processes for the 2001 academic year.

31/10/2000 The Student Records and Student Financials modules will be implemented to support all enrolment and re-enrolment activities for the 2001 academic year, including associated fees and charges.

31/03/2001 Additional functionality of the Student Records module will be implemented to support the organisation of examinations and the preparation of the DETYA student submission.

31/05/2001 The remaining functionality of the Student Records module will be implemented to complete the phasing out of the SIS, including the processing of exam results, inclusion of Professional and Continuing Education students, recording of prizes and processing for the organisation of graduation ceremonies.

The implementation of the Financial Aid module, including processing associated with scholarships has been moved to stage 2.

The new schedule will help realise early benefits as staff will have the opportunity to become familiar with the new system in smaller pieces and the learning peaks will be smoothed out. There will be an extension of the timeframe for faculty and central staff to adjust to the new data stewardship responsibilities and to make provision for changes in local work loads.

Changes to Facilities Booking System

The Facilities Bookings System has been expanded to include all events taking place at the University's North Terrace Campus. The purpose of this initiative is to ensure that:

1. Appropriate approvals are obtained and the facility for the event is formally booked.
2. Other members of the University community that need to know, are informed of the event.
3. The facility is provided with the agreed needs eg. Power, Security, Car Parking, Cleaning etc.

To cater for this arrangement the Facilities Bookings Office now comprises of two positions:

- Room Bookings (John Keefe)
- Event Bookings (Megan Costello)

Typical events that have been held at North Terrace include Public Debates, Wedding Photography, Departmental barbeques, Banners on fences/buildings, Union Cloisters events, Credit Union Christmas Pageant, ie bookings outside the common academic room bookings.

We would therefore request that anybody proposing an event to contact Megan Costello on 8303 5151.

Travel and learn

Learn Italian in Italy

Departing 1 September, flying Singapore Airlines, returning Wednesday 4 October 2000 - Includes 4 weeks tuition at Perugia's University for Foreigners Language School, 4 weeks accommodation, country taxes, and travel insurance. Flexible return dates from most European cities \$3,840 - Be quick

Learn German in Berlin

Departing Friday 5 January 2001, returning Tuesday 6 February - Includes 4 weeks tuition at Prolog Language School in Berlin, 4 weeks accommodation, country taxes, and travel insurance. \$3980.00

Information evening - Wednesday 2 August 6.00pm. For more information call Susan Boehm at Professional & Continuing Education on 8303 5236 or email <susan.boehm@adelaide.edu.au>.

Summer Semester Forum

An Open Forum for all University staff will be held on Friday 21 July from 1.00-2.00pm in Napier 102.

The Forum, which has been convened by Professor Penny Boumelha, deputy Vice-Chancellor (Education), will provide information to the whole University community on aspects of the new Summer Semester.

Speakers will discuss their own experiences with summer courses and some of the possible impacts of this new academic year format. Come and hear what they are already doing or thinking of doing. All staff welcome.

On-line bulletin boards

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

COMING EVENTS

17th July — 28th July

MONDAY 17 JULY

1.00pm Microbiology & Immunology Seminar: Recent developments in hepatitis research by Prof Chris Burrell. Library, 5th Floor, Medical School South.

TUESDAY 18 JULY

12noon Child Health Research Institute Seminar: The Sheep as a Model for Discitis by Dr R Moore (IMVS). Seminar Rm, 7th Floor, Rieger Bldg, WCH.

WEDNESDAY 19 JULY

1.10pm Genetics Seminar: Title to be announced by Dr Blair Hopwood. Seminar Room, Ground Floor, Fisher.

THURSDAY 20 JULY

12noon HCCR Seminar: Myb target genes by Paul Bartley (Human Immunology, IMVS/HCCR). Robson Theatre.

1.00pm Environmental Biology Seminar: The Fisheries Biology of Spencer Gulf Snapper, *Pagrus auratus* by David McGlennon. Benham Lecture Theatre, Ground Floor, Benham Building.

FRIDAY 21 JULY

4.00pm Obstetrics & Gynaecology Seminar: Acupuncture for nausea and vomiting in pregnancy: did it work? by Caroline Smith. Seminar Room, 6th Floor, Medical School, North Wing.

MONDAY 24 JULY

1.00pm Clinical & Experimental Pharmacology Seminar: Mechanisms of nitrate tolerance by Prof I De La Lande (Cardiology, QEH). Seminar Room, Level 6, Medical School, North Wing.

1.10pm Law Seminar: Arbitration and adult learning by Vicki Wayne. Room 216, Ligertwood Building.

TUESDAY 25 JULY

3.15pm Anthropology Seminar: Teaching Difference: the Space Between by Chilla Bulbeck (Social Inquiry). Room 722, 7th Floor, Napier Building.

WEDNESDAY 26 JULY

10.10am Electrical & Electronic Engineering Seminar: Structural Characterisation of a Network via Mathematical Invariants by Prof L White. EM212, New Engineering & Maths Bldg.

12.30pm Clinical Nursing Seminar: To level the playing field in outcome measurement: a SA perspective by Rose Swart (Clinical Practice Unit, RAH). Room 36, Level 3, Eleanor Harrald Bldg, RAH.

1.10pm Genetics PhD Updates: By Deborah Coates and Natasha Boase. Seminar Room, Ground Floor, Fisher Building (southern entrance).

6.30pm AIIA Talk: Vietnam: Recent Developments by Josephine Lamshed (Australian Volunteer Abroad). Union Cinema, Level 5, Union House.

THURSDAY 27 JULY

12noon HCCR Seminar: Cell cycle control in breast cancer by Dr Liz Musgrove (Garvan Institute of Medical Research, Sydney). Robson Theatre, RAH.

1.00pm Environmental Biology Seminar: Biogeography and the rifting of Gondwana: Is *Nothofagus* the key genus? by Prof R Hill. Benham Lecture Theatre, Ground Floor, Benham Building.

FRIDAY 28 JULY

1.15pm Physics in the Spotlight Research Talks: Optics by Prof J Munch, Dr P Veitch and Dr M Hamilton. Kerr Grant Lecture Theatre, 1st Floor, Physics Building.

4.00pm Obstetrics & Gynaecology Seminar: Prolactin and development by Prof C McMillen (Physiology). Seminar Room, 6th Floor, Medical School North.

SITUATIONS VACANT

For further information about the following vacancies please refer to Human Resources' Web page at:

<<http://www.adelaide.edu.au/HR/advpos.htm>>

or the contact person named in the advertisement.

Please note that applications, in duplicate, addressing the selection criteria and quoting the relevant reference number should include names and full addresses of three referees. The address for applications is C/- the Department or Officer named in the advertisement. Selection criteria and applicable duty statements may be obtained from the contact officer named in the advertisement.

Applications for the following vacancy will be considered only from members of the staff of the University*

STUDENT SERVICE OFFICER (Ref: 4745) (Continuing)

Student Support Services

Full-time salary: HE04 \$31,252-\$34,376

This continuing position is available immediately on a 14.7 hours per week basis.

Further information may be obtained from Sally Hebenstreit, Student Support Services, tel 8303 5663 or email <sally.hebenstreit@adelaide.edu.au>.

Applications close 24 July 2000.

*includes only those persons who hold current written contracts of appointment with the University.

Applications for the following vacancies are not restricted to members of the University.

TENURABLE LECTURER / SENIOR LECTURER IN MARKETING (WINE) (Ref: 10461)

Horticulture, Viticulture and Oenology, Waite Campus

Salary: Lecturer Level B \$49,249-\$58,484/

Senior Lecturer Level C \$60,329-\$69,564

The position is tenurable and available from 1 January 2001.

Further information including selection criteria may be obtained from Professor Margaret Sedgley, Head, Department of Horticulture, Viticulture & Oenology, tel 8303 7248, fax 8303 7116 or email <hvo@waite.adelaide.edu.au>.

Applications close 18 August 2000.

TENURABLE LECTURER IN ENVIRONMENTAL MICROBIOLOGY/MOLECULAR MICROBIAL ECOLOGY (Ref: 10444)

Department of Soil and Water, Waite Campus

Salary: \$49,249 - \$58,484

This tenurable position is available from 1 January 2001. Further information including the selection criteria may be obtained from Associate Professor David Chittleborough, tel 8303 7210 or email <david.chittleborough@adelaide.edu.au>.

Applications close 8 September 2000.

RESEARCH SYSTEM ADMINISTRATOR (Ref: 10463) (Continuing)

Research Branch

Salary: HEO8 \$48,913 - \$55,028

This continuing position is available immediately. Further information including the duty statement and selection criteria may be obtained from Coleen Roddam, tel 8303 5137 or email <coleen.roddam@adelaide.edu.au>.

Applications close 31 July 2000.

ADMISSIONS OFFICER (Ref: 10458) (Continuing)

Administrative Services Branch

Salary: HEO7 \$43,478 - \$48,779

This continuing position is available immediately.

Further information including the duty statement and selection criteria may be obtained from Ms Pamela Cook, tel 8303 5882 or email <pamela.cook@adelaide.edu.au>.

Applications close 31 July 2000.

INFORMATION TECHNOLOGY OFFICER (Ref: 10451) (Continuing)

Department of Molecular Biosciences

Salary: HEO6 \$39,402 - \$42,664/ HEO7 \$43,478 - \$48,779

The position is available from 14 August 2000 on a continuing basis and is offered at the level of HEO6 or HEO7 depending on experience and qualifications. Further information including duty statement and selection criteria may be obtained from Dr Connor Thomas, Department of Molecular Biosciences on tel 8303 5396 or email <connor.thomas@adelaide.edu.au>.

Applications close 21 July 2000.

RESEARCH ASSOCIATE/ POSTDOCTORAL FELLOW (Ref: 7206) (Fixed-term)

Department of Plant Science, Waite Campus

Salary: \$38,414-\$46,786

This fixed-term position is available immediately with funding available until 30 June 2002.

Further information including the selection criteria may be obtained from Dr Jeff Paull, tel 8303 6564 or email <jpaull@waite.adelaide.edu.au>.

Applications close 31 July 2000.

RESEARCH OFFICER (Ref: 10462) (Fixed-term)

Department of Plant Science, Waite Campus

Salary: \$32,337 - \$42,664

This fixed-term position is available immediately until 30 June 2001, with the possibility of renewal.

Further information including duty statement and selection criteria may be obtained from David Harris, tel 8303 7455, fax 8303 7109 or email <david.harris@adelaide.edu.au>.

Applications close 21 July 2000.

ADMINISTRATIVE ASSISTANT (Ref: 10468) (Fixed-term)

WILTO YERLO

Full-time salary: HEO4 \$31,252 - \$34,376

Aboriginal and Torres Strait Islander people are particularly encouraged to apply.

This fixed-term position is available immediately until 31 December 2000 on a 18.38 hours per week basis.

Further information including the duty statement and selection criteria may be obtained from Kay Thompson, tel 8303 3183 or email <kay.thompson@adelaide.edu.au>.

Applications close 26 July 2000.

ADMINISTRATIVE ASSISTANT (Ref: 7687) (Continuing)

Department of Horticulture, Viticulture and Oenology

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

This continuing position is available from 28 August 2000.

Further information including the duty statement and selection criteria may be obtained from Valerie Morris, tel 8303 7248.

Applications close 4 August 2000.

HUMAN RESOURCES DEADLINES FOR ADELAIDEAN

For the *Adelaidean* of 31 July 2000, advertising paper work must be received in Human Resources by 14 July 2000.

For the *Adelaidean* of 14 August 2000 advertising paper work must be received in Human Resources by 28 July 2000.

GENERAL NOTICES

The Stephen Cole The Elder Prizes for Excellence in Teaching 2000

The Stephen Cole the Elder Prizes for Excellence in Teaching recognise and reward outstanding teaching. The prizes are awarded annually to academic staff whose teaching is regarded by students and academic colleagues as being of excellent quality.

Recipients of the 2000 Stephen Cole the Elder Prizes for Excellence in Teaching at the Adelaide University are:

- Dr Mark Buntine, Department of Chemistry
- Dr Nicky Hudson, Department of Physiology
- Dr Gerald Schneider, Department of Mechanical Engineering (awarded for excellence in teaching in the first five years of teaching)
- Associate Professor Robert Woodbury, Faculty of Architecture, Landscape Architecture and Urban Design

The Selection Committee, consisting of student and academic staff representatives, considered the applications to be of excellent quality. Each prize consists of a monetary award of \$5,000 and a certificate presented at the commemoration ceremonies. The prize money is to be used by the winners to help them with the further development of their teaching activities.

Further information can be obtained from Marie Reitano, Office of the Deputy Vice-Chancellor (Education), Room G04, Mitchell Building, tel 35511, fax: 34873, email: <marie.reitano@adelaide.edu.au> or downloaded from the Deputy Vice-Chancellor's web-site: <http://www.adelaide.edu.au/DVC/quality/stephen_cole_prize.html>.

Academic staff promotions

Following numerous requests from staff it is timely to provide a report on the current status of the 1999/2000 academic staff promotion round. The current situation is as follows:

Level B/C

Health Sciences: reports outstanding

Humanities & Social Sciences: reports outstanding

PALACE: reports outstanding

Science: almost complete

Agricultural & Natural Resource Sciences: almost complete

Engineering, Computer & Math. Sciences: reports outstanding

Level D

Reports outstanding for all Faculties.

Level E

Reports outstanding & assessors being identified for all Faculties.

The participation of heads of department, referees and assessors, and the two-stage nature for the consideration of applications by a discipline sub-panel and then by the University Promotions Committee, determines the timeframe of the process.

Human Resources has experienced some difficulty in gathering the reports necessary for the consideration of applications, particularly those referee and assessor reports from international sources.

For further information contact Jacqui Stockley on ext 35087.

STEVE DAYSH
General Manager, Human Resources

Senate postal address list

In line with the Standing Orders of the Senate of Adelaide University, the University is currently revising the Senate Postal Address List.

The Senate is comprised of:

- all Adelaide University graduates;
- all full-time University staff members who are graduates of this or equivalent Universities; and
- all postgraduate students.

All members of the Senate are entitled to attend meetings of the Senate, which are usually held once a year, and to vote in elections for three members of University Council and for officers of the Senate. Relevant material is sent automatically only to those members who have asked that their names be placed on the Postal Address List.

If you qualify as a member of the Senate and wish to be added to the Postal Address List, contact Zane Whitehorn, 8303 3408.

SUSAN GRAEBNER
Clerk of the Senate

Accommodation for new international students

The University has over 200 new international students seeking accommodation during July.

The International Student Centre offers accommodation assistance to all international students. We are seeking offers of rental (fully furnished preferred), shared and homestay accommodation.

Contact: Melanie Baird, International Student Accommodation Officer, tel: 8303 4953 or email: <melanie.baird@adelaide.edu.au>.

Preparing A Teaching Portfolio

A Workshop presented by the Advisory Centre for University Education

Teaching Portfolios are growing in use as a tool for gathering and presenting evidence of teaching in applications for promotion and for teaching awards (such as the Departmental Teaching Awards).

In this workshop, portfolios will be explained and strategies considered for their preparation and use. Staff considering making an application now, or in the future, for promotion, for an award, or who are interested in ways of documenting their achievements for other purposes, particularly the forthcoming Departmental Teaching Awards, will find this short activity helpful.

Tuesday 1 August 2000, 1.10 - 2.00pm in the ACUE, Level 2, Schulz Building. Workshop Leader, Associate Professor Bob Cannon.

To enrol telephone 8303 5771 or email <acue@adelaide.edu.au>.

University Teaching Development Grants 2000

The aim of the University Teaching Development Grant is to promote the enhancement of learning and teaching at the University of Adelaide.

Applications are invited for the 2000 round of the University of Adelaide Teaching Development Grants. The Grants are intended to promote good learning and teaching practices; to encourage and foster innovation in higher education teaching; and to provide staff development opportunities at the University of Adelaide.

A total of \$150,000 will generally be available and is to be used by the successful individual(s), team, department or centre to effect practical improvements in learning and teaching. Individual grants are likely to fall within the range of \$10,000 to \$50,000 according to the scale and nature of the projects funded.

Each grant recipient will be required to agree with the Deputy Vice-Chancellor (Education) an appropriate form of dissemination of their achievements in learning and teaching (which might include a seminar, an article for the *Adelaidean* and/or a web-page article for LEAP).

Eligibility for the University Teaching Development Grants:

- All full-time and part-time members of academic staff (including clinical, affiliate and adjunct titleholders) in a teaching position at the University of Adelaide are eligible. Members of academic staff on contract should have at least one year of service remaining of their contract period and demonstrate that the objectives of the proposal are deliverable within the time available.
- Teaching groups which include full-time and part-time members of the academic staff which may include members of the general staff are eligible.
- All teaching faculties, departments, centres and interdisciplinary groups in the University of Adelaide are eligible.

Applications will be considered by a selection committee convened by the Deputy Vice-Chancellor (Education) and consisting of student and staff representatives.

Applications are now sought for and application forms can be obtained from Marie Reitano, Office of the Deputy Vice-Chancellor (Education), Room G04, Mitchell Building, ext 35511, fax: 34873, email: <marie.reitano@adelaide.edu.au> or downloaded from the Deputy Vice-Chancellor's web-site: <http://www.adelaide.edu.au/DVC/quality/teaching_development_l&t_grants.html>. Nominations must reach the Office of the Deputy Vice-Chancellor (Education) by **Friday 4 August 2000**.

RHODES SCHOLARSHIP FOR 2001

The Rhodes Scholarship is open to both women and men and is tenable at the University of Oxford for two years in the first instance.

The scholarship provides for the payment of the scholar's College and University fees as well as a stipend of 720 pounds Sterling per month.

Candidates must be Australian citizens resident in Australia for at least five of the last ten years and have passed their eighteenth birthday but not reached their twenty fifth birthday by 1 October 2000.

Intending candidates should contact the Honorary Secretary for application forms and further information as soon as is possible. General information about the Rhodes Scholarships with particular reference to applicants from South Australia is available at: <www.adelaide.edu.au/Graduate_Studies/scholarships/rhodes>.

Applications, 2000 for 2001, close with the Honorary Secretary of the Selection Committee for South Australia at **5.00pm on Friday 1 September 2000**. The Honorary Secretary can be contacted at: c/- Education Adelaide, 2nd Floor, 157 Grenfell Street, Adelaide (PO Box 3064 Rundle Mall, Adelaide SA 5000), tel: (08) 8232 8722, fax: (08) 8232 8737, email: <geoffrey.sauer@adelaide.edu.au>.

GEOFFREY SAUER
Honorary Secretary

Women's Professional Development Network (WPDN)

The WPDN is a development initiative for all women general staff of Adelaide University. It focuses on issues affecting the professional and personal development needs of women general staff. The WPDN runs a variety of activities including breakfasts, lunchtime speakers and workshops.

For more information, visit our web site at: <<http://www.adelaide.edu.au/wpdn>>

or contact Sam Jacob <sam.jacob@adelaide.edu.au>, ext 34201, or Danielle Hopkins <danielle.hopkins@adelaide.edu.au>, ext 33937.

University mouse mats

The Media, Marketing & Publications Unit has commissioned some mouse mats bearing the Adelaide University logo. They are available for purchase at \$5 each. Departments interested in purchasing mouse mats for gifts or promotional purposes should contact Pue San Ng, 8303 7777 or email: <puesan.ng@adelaide.edu.au>.

National Symposium

The Department of Medicine at the Queen Elizabeth Hospital is currently organising a 2-day national symposium titled **New Directions in Asthma and Zinc Research to be held at the Queen Elizabeth Hospital on Friday 8 and Saturday 9 September 2000**. The program consists of two international plenary speakers and a number of well recognised Australian speakers.

Could all interested parties please register and if desired, submit an abstract for the poster sessions as soon as possible, as places are quickly filling. For details on abstract and poster specifications contact Ai Troung-Tran, tel: 8222 7347 or email: <ai.truong-tran@student.adelaide.edu.au>.

Symposium program and registration forms can be obtained from the QEHS 2000 Symposium web page at: <<http://www.nwahs.sa.gov.au/research/september%20conference.htm>>.

Research Branch: Special Notices

RESEARCH GRANTS AND THE GST

Information about the implications of the GST for research grants is now available in the form of a document Research Grants: GST implications for the University of Adelaide on the Finance Branch website at: <www.adelaide.edu.au/finance/manuals>

A separate entry about the implications of the GST for visiting overseas academics can be found at the same address.

ARC LARGE GRANTS: ASSESSORS' REPORTS

It is expected that the assessors' reports on ARC Large Grant applications will be received in the University in the week commencing 24 July with applicants' rejoinders due in Canberra by Friday 4 August. Rejoinders will need to reach the University's Research Branch by no later than Tuesday 1 August to meet this deadline. Departmental administrators are requested to forward on immediately assessors' reports received for staff who are absent from the University over this period.

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

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.

"What is Ethical Research" Workshop

Friday 11 August, 8.30am - 12.30pm, Main Lecture Theatre, Second Floor, What Building, Campus??

This 4-hour workshop will be run by Associate Professor Paul McNeill. He is an Associate Professor of Ethics and Health Law in the School of Community Medicine, University of NSW.

The workshop is part of the Surgical Research Society of Australasia - Start of the Millennium Annual Scientific Meeting.

There is no cost to attend the workshop. However, you do need to register by contacting Natalie Howard, 8222 7836 or email: <natalie.howard@nwahs.sa.gov.au> by Tuesday 1 August 2000.

Enquiries about the Annual Scientific Meeting can be directed to Siobhan Rowe, 8222 6756 or email: <siobhan.rowe@nwahs.sa.gov.au>.

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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

Dental School
Adelaide University



**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>.

RESEARCH GRANTS AND SCHOLARSHIPS

AND OTHER FUNDING SCHEMES

Research Grants & Fellowships

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

Gastroenterological Society of Australia Awards For 2000: Grants, Travel Awards and Postdoctoral Fellowship for 2000 and 2001: Internal closing dates: 20 July, 20 September, 29 September and 20 October. Web Site: <<http://www.gesa.org.au>>.

Australian Housing and Urban Research Institute: Indigenous Housing Research Project Funding: Internal closing date: 21 July 2000.

The Garnett Passe & Rodney Williams Memorial Foundation Awards for 2001 Post-Training Fellowships: Internal closing date: 21 July 2000.

Research Training Fellowships: Internal closing date: 18 August 2000.

Senior / Principal Research Fellowship, Project Grants, Sabbatical Fellowship, Overseas Research Fellowship: Internal closing date: 6 October 2000.

National Health and Medical Research Council Awards for 2000: NHMRC Travelling Award for Research Training

NHMRC Training Award Fellowships Internal closing date: 21 July 2000. Web site: <<http://www.nhmrc.health.gov.au>>.

Retina Australia - Research Grants: Internal closing date: 21 July 2000.

BHP - Community Trust and Community Support Programs: Internal closing dates: 22 July & 25 October 2000. Web site: <<http://www.bhp.com.au/community/trust.htm>>.

Australian Academy of the Social Sciences in Australia - Australia/China Exchange in the Social Sciences: Internal closing date: 23 July 2000.

Alzheimers Australia Research Foundation: 2000 Dementia Research Grants: Internal closing date: 24 July 2000.

APEX Foundation for Research into Intellectual Disability Limited - Research Grants: Internal closing date: 24 July 2000.

APEX Foundation Trust for Autism Grant: Internal closing date: 24 July 2000.

Australian Academy of the Humanities: Publication Subsidies: Internal closing date: 24 July 2000. Web site: <<http://www.asap.unimelb.edu.au/aah>>.

Australian Academy of the Humanities/Academy of Social Sciences in Australia/Vietnam National Centre for the Social Sciences and Humanities - Overseas Program - Vietnam: Internal closing date: 24 July 2000. Web site: <<http://www.asap.unimelb.edu.au/aah>>.

Australian Academy of Science - Frederick White Prize: Internal closing date: 24 July 2000.

Web site: <<http://www.science.org.au/awards/fwhite.htm>>.

Australian Antarctic Division - Antarctic Project & Grant Applications 2001-2002: Internal closing date: 24 July 2000. Web site: <<http://www.antdiv.gov.au>>.

Australian Federation of University Women - Old Freda Bage Fellowship: Internal closing date: 24 July 2000. Web site: <<http://www.academicdress.com.au/afuwffi/index>>.

Chief Executive Women Inc/United Airlines - Science and Technology Awards 2000: Internal closing date: 24 July 2000.

International English Language Testing System - IELTS Research Program: Internal closing date: 24 July 2000. Web site: <<http://www.ielts.org/cfdocs/newsflash.cfm>>.

JH & JD Gunn Medical Research Foundation - Research Grants: Internal closing date: 24 July 2000.

Horticultural Research and Development Corporation - Research & Development Funding: Internal closing date: 24 July 2000. Web site: <<http://www.horticulture.com.au>>.

James Cook University - Postdoctoral Research Fellowship 2001: Internal closing date: 24 July 2000. Web site: <http://www.jcu.edu.au/office/research_office/funding/internal/postdocs.html>.

Karitane Research Grants: Internal closing date: 24 July 2000.

Reg Waite Award for Young Australian Achievers: Internal closing date: 24 July 2000

Royal Society of London / The Australian National University / The National Health and Medical Research Council - Howard Florey Fellowships in Biomedical Sciences: Internal closing date: 24 July 2000.

Australian Academy of Science - Postdoctoral & Short-term Fellowships to Japan 2001-2002: Internal closing date: 25 July 2000. Web site: <<http://www.science.org.au/internat/exchange/contscix.htm>>.

Australian Partnership for Advanced Computing - Merit Allocation Scheme/ Grants: Internal closing date: 25 July 2000. Web site: <<http://www.apac.edu.au>>.

Dairy Research and Development Corporation - Research and Development Funding: Internal closing date: 1 August 2000. Web site: <<http://www.drdc.com.au>>.

National Research Council (USA) - Resident Research Associateships for the NASA Ames Research Center: Internal closing dates: 2 August and 15 September 2000. Web site: <<http://www4.nas.edu/osep/rap.nsf>>.

Australian Academy of Science - Boden Research Conferences: Internal closing date: 4 August 2000.

National Facility Steering Committee Oceanic Research Vessel Franklin - Call for applications for use of Franklin in 2002 and expressions of interest for 2003 and beyond: Internal closing date: 4 August 2000 and 24 March 2001. Web site: <<http://www.marine.csiro.au/franklin/>>.

Sudden Infant Death Research Foundation Inc (SA) - Research Grant: Internal closing date: 4 August 2000.

Asthma NSW Research Grants 2001: Internal closing date: 8 August 2000.

Australian Academy of the Humanities/Royal Netherlands Academy of Arts and Sciences/Academy of the Social Sciences in Australia - Overseas Program - The Netherlands: Internal closing Date: 8 August 2000. Web site: <<http://www.asap.unimelb.edu.au/aah>>.

Australian Rotary Health Research Fund - Mental Illness Research Grants & First Aid, Pre-Hospital Treatment and Emergency Care Research & Ian Scott Fellowship: Internal closing date: 8 August 2000. Web site: <<http://www.rotarnet.com.au/arhrf>>.

French Embassy - French Government Scientific Fellowships 2001: Internal closing date: 8 August 2000. Web site: <http://www.france.net.au/site/science_culture/scient/bourse.bourl188.htm>.

Horticulture Research & Development Corp - Graham Gregory Awards: Internal closing date: 11 August 2000.

Garnett Passe & Rodney Williams Memorial Foundation - Grants-In-Aid - 2001: Internal closing date: 18 August 2000.

Motor Neurone Disease Research Institute of Australia Incorporated - Grant-in-Aid for Research: Internal closing date: 18 August 2000.

National Cancer Institute, USA - Molecular Epidemiology of HIV-Associated Cancers - Grants: Internal closing dates: 18 August and 18 October 2000. Web site: <<http://grants.nih.gov/grants/guide>>.

Australian Academy of Science - Selby Fellowship: Internal closing date: 21 August 2000. Web site: <<http://www.science.org.au/awards/selby.htm>>.

The Asia Link Centre - The Sir Edward Weary Dunlop Asia Fellowships: Internal closing date: 24 August 2000. Web site: <<http://www.asialink.unimelb.edu.au/public/dunlopfellow.html>>.

Australian American Educational Foundation - Fulbright 2001 Awards: Internal closing date: 24 August 2000. Web site: <<http://sunsite.anu.edu.au/education/fulbright>>.

Australian Academy of Science International Programs: Scientific Visits to Japan, China, Korea and Taiwan FY 2001-2002: Internal closing date: 25 August 2000. Web site: <<http://www.science.org.au/internat/exchange/>>.

University of Cambridge in association with Wolfson College at Cambridge University - Smuts Visiting Fellowship in Commonwealth Studies 2001-2002: Internal closing date: 1 September 2000. Web site: <<http://www.cam.ac.uk>>.

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.

Canadian Studies Awards: ACSANZ Postgraduate Awards: Up to \$A2,800 for Masters or Doctoral candidates engaged in research into Canadian studies to undertake research trips to Canada for up to six months. Closing: 30 September. ICCS Graduate Student Thesis/Dissertation Scholarship: \$CAN3,500 for Masters or Doctoral candidates to undertake thesis-related research at a Canadian university for 4-6 weeks. Closing: 15 November. Details Canadian High Commission, Academic & Public Affairs Section, Commonwealth Avenue, Canberra ACT 2600, tel: (02) 6270 4000, fax: (02) 6270 4083, email: eva.zarka@dfait-maeci.gc.ca or visit the ACSANZ Web Site: <<http://www.powerup.com.au/~acsanz>>.

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 South Australia. Value: up to \$5000.

Closing: 23 October (Student Centre).

French Government Scientific Fellowships 2001: Tenable for 3-6 months, Mar 2001 - Dec 2001. The purpose of the fellowships is to enable Australian scientists (Australian citizens), involved in French-Australian scientific research projects, to visit a French host laboratory or institution in order to pursue their current collaborative research, to complete their training or to implement a well-defined project that can be beneficial to France and Australia. Applications from <http://www.france.net.au/frames_eng.html>. Closing: 15 August.

Fulbright Awards 2001 to study in the USA: Postgraduate Awards: To undertake an American higher degree or engage in research towards an Australian higher degree in any field of study. Postdoctoral Awards: for study/research for 3-12 months. Senior Scholars Awards: for senior scholars and professionals of academically based professions to visit the USA for 3-6 months. Professional Awards: for practitioners in any field who have a record of achievement and are posed for advancement to a senior management or policy role wishing to undertake a professional development program in the USA for 3-4 months. Details & applications from: <<http://sunsite.anu.edu.au/education/fulbright>>. Closing: 31 August (Student Centre).

Garnett Passe & Rodney Williams Memorial Foundation - Research Scholarships 2001: For students who are, or will be, enrolled for a higher degree, in the area of Otorhinolaryngology or related fields of biomedical science. Tenable at any Australian institution. Value: equivalent to NHMRC Medical/Dental Scholarship for medical graduates, or Dora Lush Scholarship rate for science graduates. Closing: 18 August (Student Centre).

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).

John Crampton Travelling Scholarship: Open to students of Architecture, Engineering, Fine Arts and/or Classical Antiquity to undertake study in Italy, Spain, Germany or Greece or any other country considered appropriate by the Scholarship trustee. Tenable for up to two years for a Masters degree and three years for a doctorate. Value: payment of compulsory university fees, an annual living allowance, annual travel allowance. Closing: 31 July (Student Centre).

Lionel Murphy Postgraduate Scholarships: Open to Australian citizens who have completed, or are about to complete an undergraduate degree in science, law or legal studies, or other appropriate disciplines, and who intend to pursue a postgraduate degree in these fields. Value: \$15,000pa. Overseas scholarships are also available. Value: \$30,000pa. Closing: 25 August (Student Centre).

National Health & Medical Research Scholarships: Applications are invited for Medical/Dental Postgraduate Scholarships, Dora Lush (Biomedical) Postgraduate Research Scholarships, Public Health Postgraduate Research Scholarships, Training Scholarships for Aboriginal Health. Closing: 4 August (Student Centre).

Sir Robert Menzies Scholarship in Law: Open to Australian citizens and tenable in the UK for two years commencing October 2001. Value: return airfare (including spouse and/or dependants), university fees, living allowance, travel costs within UK. Academic excellence is of primary importance. Closing: 25 August (Student Centre).