

Adelaidean

Volume 10 Number 5

News from Adelaide University

June 2001

I N S I D E



Your new home for the Fringe

page 3



Cult and culture of anorexia

page 5



Siberian river adventure

page 9



New plan of attack to force greenhouse gases underground

A MAJOR proportion of greenhouse gases may be pumped underground if a new national research program involving Adelaide University is successful.

Carbon dioxide (CO₂) emissions are not only caused by fuel consumption, they are also a byproduct of petroleum production at oil and gas fields, adding to the global greenhouse problem.

Now a \$1 million study at Adelaide's National Centre For Petroleum Geology & Geophysics (NCPGG) is investigating ways of removing those emissions by injecting the CO₂ back into the ground where it came from.

The work puts the centre, based at the University's Thebarton Campus, at the international forefront of greenhouse research. It is hailed as one of the most practical, environmentally sustainable and economically feasible solutions to the world wide greenhouse gas problem.

"This technology has the potential to make a substantial difference to global greenhouse emissions," said the coordinator of the project in Adelaide, Associate Professor Simon Lang.

Greenhouse gas emissions are expected to lead to global warming of between 2-4 degrees Celsius on average over the next century.

"Even if we make major reductions to emissions, global warming will still occur but at a lesser rate. Finding solutions to reduce the emissions is vital if we are to avoid potentially destructive climate change," Dr Lang said.

Technology for removing huge quantities of emissions in "CO₂ sinks", as they're called, is currently being developed and trialled in Norway. However, Dr Lang said Australia was leading the way in this research.

"We're investigating the means by which this can be done safely and in sufficient quantities to dwarf other available methods. This may prove to be one of the only ways of reducing emissions at a great enough rate," he said.

The outcomes, if successful, would complement other methods of greenhouse gas reduction, such as tree planting, improved energy efficiencies, reduction in the use of coal as an energy source, and shifting to new gas and fuel cell technologies.

The national project is called GEODISC (Geological Disposal of Carbon Dioxide), also known as "Geological CO₂ Sequestration".

"The idea is to find places where we could store hundreds of millions of tonnes of CO₂ injected at high rates for many years, and it appears that Australia has several sites where this may be feasible both technically and economically," Dr Lang said.

"Sequestration is intended to be permanent, and the economics would be dependent on the economics of carbon-credit trading offsetting the relatively large costs. At this stage the project concerns itself solely with CO₂ sources from emissions from existing or future oil or gas fields, where CO₂ is a natural product and would normally be vented directly to the atmosphere."

Continued Page 4



Professor James Paton examines a cell culture in the Department of Molecular Biosciences. Photo: Rob Morrison.

Professor sounds warning on infectious diseases

"ON ONLY two occasions in the history of human life on this planet has the human population actually decreased," says Professor James Paton of the Department of Molecular Biosciences.

"On both occasions it was an infectious disease that did it—the Black Death in the 14th Century, and influenza just after the First World War."

Influenza is caused by a virus; the Black Death was a bacterial infection. Infectious diseases caused by bacteria, viruses and

parasites continue to kill more people than any other disease group, according to Professor Paton, and globally account for 30% of all deaths.

Professor Paton will address this topic in his free public lecture at Adelaide University on Friday, 22 June: *Treatment and prevention of infectious diseases: challenges for the 21st century.*

"One shouldn't ignore what is seen as unfashionable areas of research," said Professor Paton.

Continued Page 5

\$35m project welcomes Adelaide to the wireless age

NORTH Terrace in the city of Adelaide will become a \$35 million wireless precinct for new technology developers.

The advanced communications precinct, to be known as mNet, will be the first of its type in Australia and one of only a few in the world.

Telstra is a founding partner of the project, which will enable other high-profile IT companies such as Cisco and Motorola to work with smaller startup content developers to research and test the latest wireless internet applications along North Terrace.

Wireless internet applications are mainly aimed at smaller devices such as mobile phones and personal organisers, although they can be applied to laptop computers. At their most basic level they include the facilities to surf the internet and check email, but at a more advanced level include applications such as voice communications, location-based services, navigation, and financial services.

Adelaide University—primarily through its

Centre for Telecommunications Information Networking (CTIN)—is one of the founding partners of the mNet project, along with the University of South Australia, Agile Pty Ltd, DSpace Pty Ltd, Playford Centre, Telstra, and the City of Adelaide.

The University is also a key participant in mNet Corporation, the consortium which will implement mNet along North Terrace. mNet also complements Adelaide University's participation in the newly established Cooperative Research Centre for Smart Internet Technology.

CTIN Director Professor Reg Coutts said North Terrace was an ideal location for the project, as it is one of the few precincts in the world with so many major institutions in close proximity to one another.

He said the project would also boost the State's IT reputation, and provide more opportunities for local startup companies to incubate and grow in the competitive IT field.

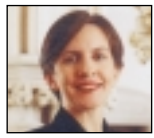
Continued Page 4



Professor Reg Coutts, Director of CTIN. Photo courtesy of CTIN.



The road ahead



The challenges facing South Australia's three universities have been brought into focus by two important reports published recently. One is the Strategic Review of the South Australian Higher Education Sector, undertaken on behalf of the business group, South Australian Business Vision 2010; the other is the mid-term review of Education Adelaide, conducted by John Dawkins.

Two of the key messages to emerge from these reports are (1) that each of the South Australian universities is performing "above its weight" in research terms (when compared with other universities in its category—Go8 members in the case of Adelaide, for example); and (2) that by about 2006 changing demographics will start to present a serious threat to local enrolments at the three universities.

Independent acknowledgement of our research performance is important. It underscores the economic contribution which the three universities make to South Australia and demonstrates why we are worth investing in. We need this investment—especially from government—if South Australia is to retain its knowledge edge.

The State Government's recent announcement of \$12.5 million funding for commercialisation (and other support) of biosciences over the next four years is a step in the right direction and is certainly welcome. But we need to keep it in perspective. When it comes to investing in universities, the South Australian government still falls well short of its counterparts in other States, most notably Queensland, Victoria and Western Australia. Let's hope that the biosciences funding is a sign of better things to come.

In his review of Education Adelaide, John Dawkins spells out clearly how South Australia's changing demographics represent "an emerging crisis" for educational institutions here.

He warns: "Without a deliberate and concerted strategy to deal with the inescapable effects of our aging population, many educational institutions in SA will face a crisis of declining or stagnating enrolments which threaten their continuing viability."

This impending decline in local students means that the South Australian universities will need to focus increasingly on the market outside Adelaide. As we have said in our Operational Plan and elsewhere, we need to generate significantly increased revenue from fee-paying students and from research from out of Adelaide and out of Australia.

If we want to maintain Adelaide University in its present size, in terms of staff and student numbers, we must face up to the enrolment challenge and re-conceptualise the way we operate. Should some areas of the University concentrate solely on research, for example? If so, which ones? Which areas can make best use of new technologies for teaching across international boundaries? And so on. Developing strategies to address demographic change is among the most important challenges facing the education sector in South Australia over the next decade.

MARY O'KANE

\$50,000 in prizes – are you up to the challenge?

PEOPLE with smart ideas for new business ventures are being sought for a new competition launched by Hewlett-Packard Australia and Adelaide University.

The \$50,000 Entrepreneurs' Challenge aims to stimulate business enterprise in South Australia by encouraging participating teams to explore bright business ideas with industry mentors, management consultants, academics and other key supporters.

Over a six-month period, teams will be required to conduct market research, carry out feasibility studies and draw up business plans for their concepts (each team must also include at least one Adelaide University student).

The winning team will be awarded prizes to the value of \$30,000, with prizes valued at \$15,000 and \$5000 for second and third placed teams.

Managing Director of Hewlett-Packard Australasia Mr Norman McCann said the Challenge was an ideal platform for Adelaide's brightest students to share their

visionary ideas with some of the country's best business minds.

"The Challenge is for those students who embody the spirit of inventiveness, innovation and enterprise. Most importantly, the pre-requisite for entrants in the Entrepreneurs' Challenge is a vision for the future," Mr McCann said.

"The Entrepreneurs' Challenge is supported through our worldwide e-scholarship program which sponsors key business plan competitions linked to universities around the world."

Adelaide University Vice-Chancellor Professor Mary O'Kane said the Entrepreneurs' Challenge was an exciting opportunity for South Australian students to enhance their entrepreneurial skills.

"Working with mentors from industry will give teams a real insight into what it takes to succeed in the commercial world," she said.

"Learning these skills is increasingly important for university students. Adelaide University is already leading the way with education programs, which

encourage students to turn bright ideas into business ventures.

"Adelaide is the only Australian university that offers a Masters in Science & Technology Commercialisation degree course, a program run in conjunction with the University of Texas in Austin. Our Commerce and Research Precinct at Thebarton also provides a range of programs aimed at helping students convert ideas into business enterprises. These include our Graduate Entrepreneurial Initiative Scheme and Graduate Industry Linked Entrepreneurial Scheme.

"The Entrepreneurs' Challenge will further promote the spirit of enterprise at the University and in South Australia generally, and I encourage all students interested in pursuing a business idea to form teams and enter the competition."

Further information on the Entrepreneurs' Challenge is available from: <www.adelaide.edu.au/echallenge> or email: <echallenge@adelaide.edu.au>.

—Ben Osborne

Students engineer their own businesses

FIRST-YEAR engineering students at Adelaide University have launched their own companies as part of an innovative new course called Engineering Communication.

More than 100 students from Mechanical and Mechatronic engineering were formed into eight teams, with each team setting up their own company, marketing and selling their own goods or services.

The aim of the course is to give students the opportunity to develop effective communication and teamwork skills by experiencing first hand the highs and lows of establishing a new business enterprise.

The program was developed by Ms Joanne Pimlott, lecturer and Director of the Enterprise Education Group (EEG) at Thebarton Campus, in close collaboration with the Advisory Centre for University Education and Young Achievement Australia's business skills program. Numerous local companies have also supported the initiative.

During the 12-week program, students have experienced all stages of the business cycle, from developing an idea and electing a management team, raising share capital, through to liquidation and dispersion of a dividend to company shareholders.

The students officially launched their companies and products last month, with some surprising results.

Products and services ranged from designer clocks made out of corrugated iron, CDs and vinyl records, to a new type of first aid kit, industrial rubber mats, lip gloss, hand-painted shot glasses, a high-school tutoring service, picture frames that you stick to your fridge, and fire brick makers.

"The highly experiential nature of the course has not only achieved the aim of developing communication and teamwork skills, it has also increased students' exposure to entrepreneurial and innovative skills and behaviours," said Ms Pimlott.

"What the students take with them from this experience is not only an understanding of business processes but also an appreciation of the important role that strong interpersonal skills play in the business environment. These are valuable



First-year engineering students and members of the company Slaya show their wares: designer timepieces made from familiar materials. Photo: David Ellis.

Enterprise Education Group events

The Enterprise Education Group (EEG) continues to support the range of graduate scholarships available through the Graduate Entrepreneurial Program, managed by the Thebarton Campus' Office of Industry Liaison. Applications from graduates with a business idea are now being accepted for the next round of scholarships. The closing date for applications is Thursday 14 June.

A two-day workshop is to be held on 17-18 July, titled "Turning your business idea into reality—getting the basics right". The workshop is aimed at anyone (student or otherwise) who is considering starting their own business, including a consultancy-based service. Adelaide Bank has sponsored a limited number of places for students.

Second semester courses taught within the Graduate Diploma Business Enterprise (SME) at Thebarton Campus

are also available to anyone on a negotiated non-award fee basis. The courses are: Managing Human Resources, Small Business Finance, and Entrepreneurship and Innovation. They can also be studied on an award or non-award basis via distance education.

A number of free lunchtime seminars titled "Entrepreneurs and Innovators" will be held on North Terrace Campus in the second semester. You can hear firsthand from entrepreneurs and innovators about their experiences and lessons learned.

The EEG will also be playing a role in the Hewlett Packard E-Challenge business planning competition being run at Adelaide University.

For more information about any of the initiatives delivered by EEG, contact Joanne Pimlott on 8303 5442 or visit the website: <www.eeg.adelaide.edu.au>.

Adelaidean



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Deadline for next issue
21 June

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Your new home for the Fringe

THE BIGGEST independent arts festival in Australia and the second biggest in the world, the Adelaide Fringe, has chosen Adelaide University as its home for 2002.

The Hub of the Fringe will be at the University's Union Building precinct, overlooking the River Torrens. Inspired by the Lion Arts Centre courtyard, which up until 1996 housed the Fringe, "The Hub will provide a unique range of performance, exhibition and socialising spaces, creating an exciting atmosphere of interaction, possibility, spontaneity and Fringe energy," according to the Fringe's publicity.

"The Hub will focus the anarchic energy of Adelaide Fringe, providing a substantial base from which all Fringe activities can spring. This highly focused area will become the centre for Fringe activity for audiences and artists alike."

Kicking off in February next year, the Hub will feature 23 days of non-stop performance, music, dance, film, ideas, conversation and partying.

The Fringe Courtyard will be housed in the University's Cloisters (pictured), and will feature bars, food, a FringeTix box office, spontaneous live entertainment and a film program. Patrons will be able to hang out in the Fringe Courtyard to network, socialise, discuss and argue about shows they have seen and decide what to see that night.

In and around the Union Building are a number of venues ideal for the Fringe, including Union Hall, the Little Theatre, the Union Cinema, Gallery and Games Room. Each of these spaces will be utilised by artists and performers during the course of the Fringe Festival.

The Uni Bar will open nightly as the Fringe Club, featuring promotional guest



appearances from Fringe artists, bands and DJs.

In addition to ongoing Fringe activities, special events will be staged in and around the Hub—including the culmination of the enormously popular Opening Parade, which in the past has attracted crowds of up to 80,000, followed by the Opening Night Party.

"The Hub will provide a heart to Adelaide Fringe 2002 by creating a central meeting place, ensuring a vibrant atmosphere which will engage, challenge and stimulate Fringe artists and audiences alike," the publicity says.

The theme of the Fringe for 2002 is

"Necessity is the Mother of Invention"—a theme which reflects the ingenuity of independent artists and companies, individuals and organisations.

On a global scale, the Adelaide Fringe is second only to the Edinburgh Fringe in Scotland. In 2000, the Adelaide event attracted more than 530 companies and 5000 artists from across the country and around the globe. Audience attendances to Fringe events in 1998 and 2000 exceeded 850,000.

For more information about the Fringe, visit: www.adelaidefringe.com.au or phone (08) 8100 2000.

Festival of Ideas

THE second biennial Adelaide Festival of Ideas will take place from 12-15 July, with Adelaide University hosting most of the packed program of events.

This year's themes are water, population, reconciliation, addiction/intoxication, and cosmology.

A total of 25 Australian and overseas speakers will participate, and most events will be free.

Speakers include Indian environmentalist Vandana Shiva, Australian philosopher and writer Raimond Gaita, Director of the South Australian Museum Professor Tim Flannery, physicist Paul Davies, US authority on artificial intelligence and robotics Rodney Brooks, former High Court Judge and President of the Human Rights and Equal Opportunity Commission Sir Ronald Wilson, award-winning and best-selling journalist Naomi Klein, Australian writer David Marr, former Prime Minister of Australia Malcolm Fraser, and the Director of Public Prosecutions in New South Wales, Nicholas Codery.

The venues for the sessions will be Elder Hall, Bonython Hall, Brookman Hall, the Art Gallery Auditorium, and Adelaide Town Hall.

Festival founder and chair Greg Mackie said:

"The first Festival of Ideas, held in 1999, recorded capacity attendances of more than 20,000 over three days, establishing itself as a major event in its own right and as the cornerstone of our intellectual calendar.

"Ideas are the currency of our information age. Communities which value the free and frank exchange of ideas will develop a capacity to respond creatively to the many challenges faced by modern society. Indeed, a community which thinks together will grow together."

More information is available from the Adelaide Festival of Ideas, phone 8216 4444.

Sorry Day

FOR the fourth year in a row, Sorry Day has been marked at Adelaide University with a formal ceremony.

A Sorry Day event was held at the Cloisters on Friday, 26 May, organised by the University of Adelaide for Native Title and Reconciliation and supported by Wilto Yerlo, the Centre for Aboriginal Studies in Music (CASM), the Postgraduate Students Association, and the Don Dunstan Foundation, among others.

The Deputy Vice-Chancellor (Education) and Provost, Professor Penny Boumelha, formally opened the event on behalf of the Vice-Chancellor. Professor Boumelha acknowledged that the University's North Terrace Campus was situated on Kurna land and that the Kurna people were its traditional owners.

She also said it was important that students and staff of the University become involved in the cause of Native Title and Reconciliation.

"The history of Adelaide University is brief when measured against the history of the indigenous people of this land. But during that short history, this University has been enriched by the unique contribution of Aboriginal and Torres Strait Islanders in a variety of ways—not just academically, but also culturally, spiritually, economically, politically and artistically," Professor Boumelha said.

"As places of knowledge and enlightenment, universities have a particular responsibility to promote the cause of reconciliation in this country."

A number of guest speakers and performers followed, including CASM musicians and choir.

Livestock centre opens at Roseworthy

SOUTH Australian farmers are to benefit from a new joint research and education facility at Adelaide University's Roseworthy Campus.

The new joint facility in the refurbished and renamed JS Davies Building at Roseworthy is already a nationally renowned 'one-stop shop' for livestock producers seeking advice and expert assistance aimed at improving their products—and their profits.

Christened the Livestock Systems Alliance, the facility was launched by the Deputy Premier and Minister for Primary Industries and Resources and Regional Development, the Hon. Rob Kerin at the official opening on 25 May.

Professor Phil Hynd and Dr Colin Cargill, joint managers of the facility, said the Alliance brought together the technology and expertise of partner organisations Adelaide University, the South Australian Research and Development Institute (SARDI), Primary Industries and Resources SA (PIRSA) and Murray Institute of TAFE in a single group that also includes the Pig and Poultry Production Institute and the Sheep Industries Development Centre.

"We have all this skill in one place and we work as a single unit," explained Professor Hynd.

"There's a seamless integration of expertise and facilities that gives us the critical mass to achieve in research and education what we could not hope to do individually. We aim to apply science to the whole chain of events that results in a top quality product."

That product might be a tender steak, a happier and therefore healthier chook, or even a Melbourne Cup winner. The process could involve innovation in genetic selection, farming systems, animal health, management



of sustainable resources, nutrition, reproduction or biotechnology.

Key current research programs include:

- environmental sustainability
- soil health and catchment protection
- high rainfall and dairy landscape pasture varieties
- transgenesis, cloning and juvenile embryo transfer in sheep and cattle
- genetic selection in sheep and beef cattle
- animal and human nutrition for market requirements
- wool growth and quality
- animal health and production
- evaluation of strategies for parasite control and trace element deficiencies
- animal welfare
- molecular markers for beef traits and breeding for export markets
- meat hygiene and risk assessment

Interest in the partnership and its activities is running high throughout the nation.

"Every conference or meeting we go to, everyone wants to ask about it," said Professor Hynd.

The new building that is home to the Alliance commemorates the contribution of John Stanley Davies to research at Adelaide University, a well-known South Australian landowner and large scale cattle breeder who bequeathed a proportion of his substantial estate to support research directed towards the improvement of quality in animals in 1968.

This bequest supports research in animal science and pastures, disciplines now centred around the Livestock Systems Alliance facilities at Roseworthy, with links to a wide range of departments throughout the University.

—Lee Welch

Wireless age

From Page 1

"The coverage will extend from the National Wine Centre and the Royal Adelaide Hospital at the eastern end to the University of SA's City West campus at the western end, and in between include other major institutions such as Adelaide University, the Art Gallery, Museum, and the State Library," Professor Coutts said.

"It will also extend far enough north and south to include the primary retail precinct and the Adelaide Convention Centre and Festival Theatre.

"It will be a wireless network which will combine advanced cellular technologies with high-speed Local Area Networks, which will be contained within selected buildings along North Terrace.

"Companies will then be able to come along and test the latest advanced wireless technologies for what we call third generation mobile communications."

A regional component is also expected to be set up in Whyalla so that mobile communications testing can be conducted in rural areas.

The first stage of mNet is expected to be up and running by February 2002, to coincide with the World IT Congress being held at the Adelaide Convention Centre (and which will see many delegates staying in North Terrace hotels).

More than \$9m in funding for the project has come from the Federal Government.

—Ben Osborne

Blast off to two unique worlds



SPACE travel, real and imagined, is a feature of two exhibitions currently being sponsored by Adelaide University.

An exhibition showing how special effects are created in film and television is running at the Investigator Science and Technology Centre, Wayville, until 22 July.

"Special FX II" is touring Australia and New Zealand. It includes the latest in 3D animation and modelling techniques, virtual reality headsets and blue screen technology which allows visitors to become part of the scene and record their own mini-movie.

Among the attractions are 30 hands-on exhibits, some of which allow visitors to recreate the illusions they have seen on screen. Visitors also have an opportunity to star in the action and record themselves on their own take-home video souvenir.

You can re-enact famous scenes from *Titanic*, scale a mountain cliff-face, or visit the "Rings of Zargon" and surf through space.

Meanwhile, the Andy Thomas exhibition at

the South Australian Museum takes an exciting journey through the achievements of Adelaide's only astronaut.

The "Andy Thomas Exhibition 2001: an Australian Space Odyssey" features Andy's space suit worn on the Russian Mir space station, a 'lift-off' experience for visitors, computer controlled interactive models, and much more on loan from NASA.

Visitors can learn about Andy's past as an Adelaide University student through to his career in aerospace engineering and now as an astronaut.

Models and multimedia displays of the International Space Station, Mir and the Space Shuttle also feature in the exhibition, which runs until 22 July.



For more information about the Investigator Centre and the SA Museum, visit:
<www.investigator.org.au>
<www.samuseum.sa.gov.au>

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**Creating Wealth for
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New underground plan for greenhouse gases

From Page 1

The research program is funded by the Australian Petroleum Cooperative Research Centre with substantial industry support. To Adelaide University alone, GEODISC is worth more than \$1 million over three years, supporting seven research staff and four postgraduate students.

Also involved in the national project are the CSIRO, NSW Petroleum Engineering, and Curtin Geophysics. The industrial support comes from a consortium of petroleum companies involved in gas exploration and production.

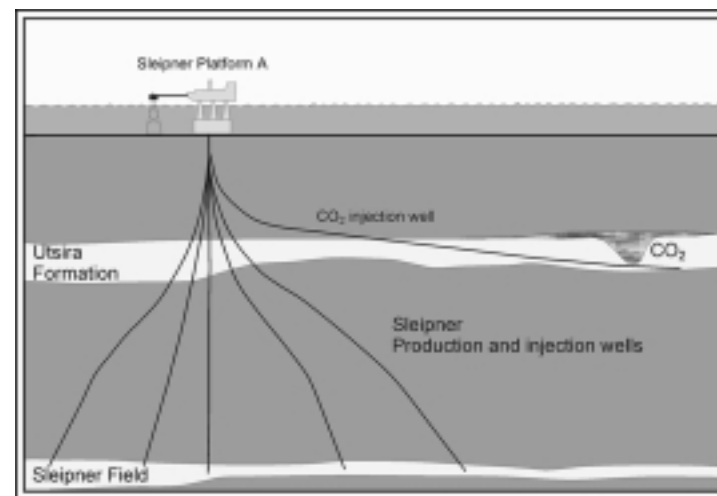
There are three main elements of Adelaide's research.

Firstly, researchers must locate the appropriate sub-surface layers into which the CO₂ can be injected. Typically this means saline rock units that would trap the CO₂ safely, and which can be filled by large volumes of gas.

Secondly, the impact of CO₂ injection into the rocks from a petrophysics, geomechanics and stress perspective must be looked at, with the main questions being: will the rocks be able to handle CO₂ injection, and what are the limits before leakage might occur?

And thirdly, numerous examples already exist where naturally concentrated pockets of CO₂ are trapped in saline reservoirs, sometimes associated with oil or gas. These will be studied to gain a unique understanding of the processes involved.

"Understanding where the CO₂ came from, how it is trapped, and the chemical reactions that have taken place over millennia to bind the



A figure of the first geological CO₂ sequestration injection site at Sleipner Field in the North Sea, Norway. Image courtesy of NCPGG.

CO₂ into minerals can help us understand the long-term effects and local factors that control permanent CO₂ sequestration," Dr Lang said.

The outcome of Adelaide's research will feed into the rest of the GEODISC program. The project also has international research links with key players in the US, UK and Europe.

—David Ellis

Exposing cult and culture of anorexia

A NEW study into anorexia has found that people with this diagnosis often form secretive "cults" with other anorexics in order to feel as if they are part of a group.

Department of Anthropology and Social Inquiry PhD student Megan Warin has spent the past three years researching the day-to-day social effects anorexia has on 46 women and men in Australia, Canada and Scotland.

Ms Warin's research is important and distinctive because, as far as she is aware, there is no other study which focuses on people's everyday worlds for such a long period of time.

"The main theme of my research is how these people dealt with anorexia in the context of their everyday lives; I wasn't interested in simply what people said about anorexia, but all of the unspoken things as well, like how they moved their bodies, sat, walked, ate and how it changed their sensory perception of food," she said.

"I did as much with people as they were willing to share with me—visited them while they were on bed programs in psychiatric wards, spent time with them in community live-in programs, went grocery and clothes shopping with them, hung out at cafes or in parks, or in their bedrooms, loungerooms and kitchens.

"I also met with their partners, families, neighbours and the health professionals who were all very much a part of their lives."

One of her central findings was that participants did not always experience anorexia as a debilitating psychiatric illness, rather it was an empowering process that opened up a whole new way of relating to the world.

This was most apparent when people came together in treatment settings, where they often formed highly secretive "cults" or "clubs" with other anorexia "sufferers", a coming together which gave them a powerful feeling of connection or belonging.

They related to each other through a bevy of secret knowledges and practices, through allegiance, hierarchy, language and

bodily markers.

"What I found was that people with anorexia transform many of the things that one might consider to be fundamental to social relationships," she said.

"These are things like relating to family, friendships, the sharing of food, sex, and sharing space with others—all of these constitute a very large part of how we normally live our lives, but for people with anorexia these things are often negated.

"Many talked about feeling alienated, or out of place in their families. Nearly all refused to eat with others, and they often refused to engage in social activities, especially with families.

"They often lived alone, and spent a lot of time in private spaces, like bathrooms and bedrooms. They also don't have intimate and sexual relationships with others, and through physiological changes to their bodies the women in this project fundamentally changed that which may be associated with 'being a woman'.

"By ceasing menstruation and literally erasing physical attributes of sexuality (such as breasts and hips) they denied their capacity for reproduction, potentially the most intimate connection to others."

The most drastic example of how anorexia impacted on people's preparedness to maintain "normal" levels of being sociable came in their attitudes to death—it was seen as being desirable, the ultimate negation of being sociable.

Interestingly, almost cruelly, in turning away from available avenues of sociability, people with anorexia form "relationships" with anorexia itself.

"Anorexia becomes a friend, a lover, a mother or father, an enemy, or the devil," Ms Warin said.

"It is defined in relational terms and personified—some even give it a name, like Ed or Anna.

"So while they experience their bodies as unfamiliar and strange, there is a certain familiarity and comfort with anorexia which



Megan Warin—sufferers can form "relationships" with anorexia. Photo: Ben Osborne.

makes it extremely hard to give up, hence the low recovery rates and resistance to treatments.

"To leave the cult is to become an 'outside' anorexic and a traitor. They said leaving anorexia was when you cut the maternal cord."

Another component of the disorder is that anorexics often embark on a quest for secular purity by avoiding that which is dirty and contaminating, such as food—and particularly foods which "get in and under your skin" and seep, like grease, fats and oils.

Sex, menstruation and other bodily processes such as digestion were also considered dirty and disgusting and were either avoided or cleansed from the body.

This desire for purity means negating much of life's pleasures and desires, or transforming them into a somewhat strange desire towards death.

"The best anorexic, people told me, was when they were dead," Ms Warin said.

"These people consider themselves to be the winners."

—Ben Osborne

Professor sounds warning on infectious diseases

From Page 1

But how can research into such impressive threats to humanity ever become unfashionable?

"At least for bacterial diseases, the advent of antibiotics led to the mistaken belief that such infections were a thing of the past and that further research was unnecessary. Currently, the amount of money going into infectious diseases research is much lower, relative to the number of deaths that they cause, than is the case with more fashionable areas of research.

"For example, the proportion of NHMRC (National Health & Medical Research Council) funding going into microbiology research is only about 7% of the total," he said.

Infectious diseases can be attacked in different ways. Drugs such as antibiotics can be used for treating existing bacterial infections and some viruses or parasites. Vaccination, on the other hand, can be used to prevent infection by these microorganisms, and it is the relative effectiveness of antibiotics and vaccines that interests Professor Paton.

"We need to understand that infectious diseases are as big if not a greater threat to us in Western countries as they were 50 years ago," he said. "The so-called magic bullet of penicillin is no longer as effective as it was. Bacteria can develop resistance to antibiotics almost as quickly as drug companies with multi-billion-dollar investment programs can design and test new drugs, so the long-term solution is better vaccines.

"With an effective vaccine you may only need one dose, rather than having to treat a person with antibiotics every time they get an infection," he said. "It is this repeated exposure and large-scale administration of antibiotics to the general public which helps to select for resistant organisms."

In fact, the development of antibiotic-resistant bacteria is a graphic demonstration of evolution in action. Bacteria can breed at an astronomical rate, and some can divide every 20 minutes. In a population of millions, one or two bacteria may mutate or already carry a gene for resistance to an administered antibiotic. While the antibiotic is killing millions of its susceptible peers, the resistant cell survives and divides. In one hour, it becomes two cells, then four, then eight, and so on. In only 24 hours there are millions of bacteria, but all now are carrying the gene that makes them resistant to that antibiotic.

Repeating the treatment with different antibiotics can ultimately breed a bacterial strain resistant to them all.

"We have a situation where infections which were once invariably treatable are now resistant to penicillin as well as to numerous other antibiotics," said Professor Paton.

"Tuberculosis is a particular problem because it needs a long course of antibiotic therapy, but patients tend to feel better quite soon and discontinue treatment, so the

infection relapses.

"The problem is, failing to complete a full course of antibiotics can help the bacteria develop resistance to those antibiotics. The resistance builds over the years until you have unacceptably high rates of resistance to a given drug."

Professor Paton believes it is much more cost effective to put money into an effective vaccine than to design a drug which will be effective clinically for 10 years and then become less useful because of resistance.

But vaccines can have their problems, too. Most use a pathogen which is treated so that it is no longer invasive. When it's administered, a patient's immune system forms antibodies against it, and these antibodies recognise and deal with the infective pathogen if it should invade the patient at a later date.

Vaccines are effective as long as the pathogen doesn't evolve and become unrecognisable, and as long as they can recognise existing variants of a given pathogen. "Otherwise you've got to go back to square one and redesign your vaccine," Professor Paton said. "You have to understand the biology of the host and pathogen interactions."

Conventional vaccines and antibiotics have been our most trusted weapons in the war against infectious diseases, but others agents may soon take their place alongside them.

"We want to look one step further. Are there

alternative treatments which we can use to block interactions between pathogens and hosts?

"We, for example, are currently engineering harmless bacteria which can bind toxins produced by pathogenic bacteria in the gut, and prevent those toxins from being absorbed by a patient."

According to Professor Paton, the more basic research that is carried out in this field, the better the chance of making sure that vaccines and other methods of combating disease are the most effective, and will not simply delay the problem for another five years.

"The spectre of a post-antibiotic era is very real," he said.

"Development of antibiotics was the single biggest medical breakthrough of the 20th century. As we enter the 21st century there is a real prospect of being without the best outcome of the previous one.

"We should never underestimate the capacity of microorganisms to adapt to whatever we throw at them, so it is essential that we are given the financial resources to stay one jump ahead of them."

Professor Paton took up his position last September as Professor of Microbiology in the Department of Molecular Biosciences. He will deliver his inaugural professorial lecture on Friday, 22 June, in Lecture Theatre 102 in the Napier building at 1.15 pm. The lecture is free and all are welcome.

—Rob Morrison

“Infectious diseases are as big if not a greater threat to us in Western countries as they were 50 years ago.”

MONDAY 4 JUNE

12noon Plant Science Seminar: Improving Australian faba beans through international collaboration by Dr Jeff Paul (Plant Science). Towards cloning of self-incompatibility genes from *Phalaris coerulea* by Mr Xueyu Bian (PhD student). Charles Hawker Conference Centre, Waite Campus.

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

6.00pm Centre for Intercultural Studies & Multicultural Education Seminar: Languages on the Edge: A Minority Language Study from Spain by Hon Lynn Arnold (Chief Executive, World Vision Australia). Edgeloe Room, Mitchell Building. Refreshments from 5.30pm.

WEDNESDAY 6 JUNE

1.00pm Environmental Biology Seminar: Hot Plants by Associate Professor Roger Seymour (Environmental Biology). Benham Lecture Theatre, Ground Floor, Benham Building.

THURSDAY 7 JUNE

12noon Hanson Centre for Cancer Research Seminar: P-glycoprotein mediated multidrug resistance: the bits that don't fit by Dr Christina Trambas (Pathology, University of Tasmania). Robson Lecture Theatre, RAH.

1.00pm Chemical Pathology Seminar: Do it for OZ: Reflections of a Green Chemist by David Blacklock (Chemical Pathology, WCH). Seminar Room 1, 4th Floor, Reiger Building, WCH.

FRIDAY 8 JUNE

11.30am Social Inquiry Seminar: Women's Self Build Housing in Australia: the Birth of a New Vernacular by Caroline Denigan. Seminar Room, Level 3, 10 Pulteney Street.

1.10pm Elder Conservatorium Lunch Hour Concert: Florian Ammer - violin, Janis Laurs - cello, Stefan Ammer - piano. Works by Brahms and Schubert. Admission \$3 at the door. Elder Hall.

1.10pm Asian Studies Seminar: Lafcadio Hearn and Japanese Religion in the Meiji Period by Mr Will Stronach (postgraduate

COMING EVENTS

4th June - 29th June

student). Room 518, Ligertwood Building.

1.15pm Inaugural Lecture Series: Major rural health challenges for Australia into the 21st Century by Professor David Wilkinson (SA Centre for Rural and Remote Health). Lecture Theatre 102, Napier Building.

WEDNESDAY 13 JUNE

12.30pm Clinical Nursing Seminar: Nurses' and patients' perceptions of dignity by Dr Ken Walsh (Clinical Nursing) & Dr Inge Kowanko (School of Nursing & Midwifery, Flinders). Room 36, Level 3, Eleanor Harrald Building, RAH.

1.00pm Environmental Biology Seminar: Broad thoughts from a new home: a somewhat delayed valedictory address from the sometime Professor of Botany by Emeritus Prof A Smith (Soil & Water). Benham Lecture Theatre, Benham Building.

THURSDAY 14 JUNE

12noon Hanson Centre for Cancer Research Seminar: Catalytic oligonucleotides as inhibitors of in-stent restenosis by Dr Levon Khachigian (Centre for Thrombosis & Vascular Research, University of NSW). Robson Lecture Theatre, RAH.

1.00pm Chemical Pathology Seminar: The Detection of Illicit Drugs in Forensic Toxicology by Noel Sims (Forensic Science). Seminar Room 1, 4th Flr, Reiger Bldg, WCH.

6.00pm Centre for Intercultural Studies & Multicultural Education Seminar: Boarding: Still Relevant by Mr Nick Sampson (Principal, Geelong Grammar School). Council Room, Level 7, Wills Building.

6.30pm Royal Society of South Australia Talk: On the Origin of Bluetongues: The evolution of the skinks of the *Egernia* group by Mark Hutchinson. Society Rms, adj SA Museum Natural Sci Bldg (off Kintore Av).

7.45pm Field Geology Club Lecture: Dryland salinity in the Murray Basin by Mr Steve Barnett. Mawson Lecture Theatre.

FRIDAY 15 JUNE

1.10pm Elder Conservatorium Lunch

Hour Concert: Professor Frank Wibaut - piano (Distinguished visiting pianist and Director, Australian National Academy of Museum). Admission \$3 at door. Elder Hall.

1.15pm Inaugural Lecture Series: The future of fossil fuels: neo-Malthusians, cornucopians, greenies and roughnecks by Prof R Hillis (National Centre for Petroleum Geology & Geophysics). Lecture Theatre 102, Napier Building.

4.00pm Obstetrics & Gynaecology Seminar: The production of cells for therapeutic application by Professor Peter Rathjen (Molecular Biosciences). Seminar Room, 6th Floor, Medical School, North Wing.

MONDAY 18 JUNE

8.00pm History of Science, Ideas & Technology Group Talk: South Australian Firsts 1836-1986 by Brian Samuels (Principal Heritage Officer, Heritage South Australia). Royal Society Rooms, Plane Tree Court (off Kintore Avenue, behind State Library).

TUESDAY 19 JUNE

6.00pm Centre for Intercultural Studies & Multicultural Education Seminar: Human Rights in Contemporary Australia by Dr Sev Ozdowski (Human Rights Commissioner). Council Room, Level 7, Wills Building.

WEDNESDAY 20 JUNE

4.00pm AFUW Postgrad Forum: Workshop in Voice and Singing by Sally Nimon (PhD candidate, Flinders). A Poetry Reading by Fiona Carroll (English). Margaret Murray Rm, Lev 5, Union Bldg. Gold coin donation.

4.00pm CSIRO Land & Water Seminar: Pathways for water flow off catchments and implications for water quality by Jim Cox. Plant Research Centre Auditorium, Waite.

THURSDAY 21 JUNE

1.00pm Chemical Pathology Seminar: Recent Advances in Travel Medicine by Dr David Scrimgeour (TMVC). Seminar Room 1, 4th Floor, Reiger Building, WCH.

FRIDAY 22 JUNE

1.10pm Elder Conservatorium Lunch Hour Concert: Niall Brown - cello (member of ASQ), Isabelle Trüb - piano. Complete set of 5 piano and cello sonatas by Beethoven performed over two concerts. Sonata Nos 1 & 2. Admission \$3 at the door. Elder Hall.

1.15pm Inaugural Lecture Series: Treatment and prevention of infectious diseases: challenges for the 21st Century by Prof James Paton (Molecular Biosciences). Lecture Theatre 102, Napier Building.

4.00pm Obstetrics & Gynaecology Seminar: Visualisation of zinc in the respiratory epithelium and its implications for asthma by Dr P Zalewski (Medicine, TQEH). Seminar Room, 6th Floor, MedSchool North.

TUESDAY 26 JUNE

7.30pm Musicological Society of Australia: Music for Strings, Percussion and Celesta: Bartok's ultimate masterwork? by Professor Malcolm Gillies (Executive Dean, PALACE). Room 1107, Schulz Building.

THURSDAY 28 JUNE

12noon Hanson Centre for Cancer Research Seminar: Title to be advised, by Dr Brian May (Molecular Biosciences). Robson Lecture Theatre, RAH.

1.00pm Chemical Pathology Seminar: WCH Intellectual Property - A Decade On by Mr Steve Hood (Intellectual Properties Manager). Seminar Room 1, 4th Floor, Reiger Building, WCH.

FRIDAY 29 JUNE

1.10pm Elder Conservatorium Lunch Hour Concert: Niall Brown - cello, Isabelle Trüb - piano. Sonata Nos 3, 4 & 5 for piano and cello by Beethoven. Admission \$3 at the door. Elder Hall.

1.15pm Inaugural Lecture Series: Optimising water supply systems: a pipe dream? by Prof G Dandy (Civil & Environmental Engineering). Lecture Theatre 102, Napier Building.

4.00pm Obstetrics & Gynaecology Seminar: Endothelial Activation and its Control by Associate Professor Jenny Gamble (Vascular Biology Laboratory, Hanson Centre for Cancer Research). Seminar Room, 6th Floor, Medical School, North Wing.

2001 GEORGE GAVIN LAWSON POST-GRADUATE RESEARCH FELLOWSHIP IN ARCHITECTURE

Managed by the Royal Australian Institute of Architects SA Chapter

The \$6000 George Gavin Lawson Fellowship assists specific investigation or study leading to the advancement of architecture, which may be undertaken either in Australia or overseas.

Candidates must be Members or Student Members of the RAI and graduates from the Bachelor of Architecture degree of one of the recognised Schools of Architecture in South Australia.

For more details and an application package, email Sue Averay at <suea@raia.com.au> or phone 8272 7044. Applications close Monday 30 July 2001.

Physiological Study of Work Stress and Health

We are looking for volunteer staff members to participate in a physiological study looking at the potential links between work-stress and health. We need about 50-60 Academic and General staff members both female and male to achieve our research goals. You must be healthy and not on any medication at present to be involved in this study. Contact John Hapuarachchi e-mail <hapu@bigpond.com> or tel 8340 4606 for an Information Sheet and Consent Form.

Adelaide University website update

Website Launch:

Adelaide University's new web site will be launched on 18 June.

The new site will be more than just a facelift or a new design. The web team is rebuilding the site to address a number of issues:

- **Usability.** The team is restructuring the entry to the site and adopting a user-focussed, rather than uni-focussed, approach. It is also looking at the issue of download times to bring information more quickly to visitors to the site.

- **Branding and design.** There are a number of design issues within the site that will be up-dated with the design being adopted. The design will be consistent with the Adelaide University visual identity and will also be consistent throughout the site. It will allow some flexibility for faculties and departments to create their own branding with the use of image and layout.

- **Information management.** One of the strengths of the new website will be that it is template-based and the maintenance of individual faculty/department pages can be managed by that faculty or department. Providing templates will help to speed up the process for changes to be made within areas.

How will the site rollout occur?

The project will roll out in stages.

On the 18 June, version 1.0 of the new website will be released. This version will contain the top two levels of the website. These reworked pages will link in with the

existing pages on the site. This process has been approved by an Advisory Group, which is made up of people from both academic and administrative parts of the University.

From 18 June, the templates will also be available on request for use by faculties/departments to update their own pages in conjunction with support from the web team.

The new templates have been designed to allow easy updating of web page information. There will be a choice of different designs to provide some flexibility.

The templates will be accompanied by a web guide that will contain instructions and answer any questions about using the templates. The web project team will also be providing support on a faculty-by-faculty basis.

Initially, the web team will control the release of the templates. For the period just after the release, the web team will engage with individual areas using the templates to help with content development, graphic design and implementation.

Who to contact

If you have any queries about the web project, please contact Dale Arnott, Web Project Manager on ext 33192 or by email <dale.arnott@adelaide.edu.au>.

PIETER COETZEE
Information Technology Services
JOHN EDGE
Media, Marketing & Publications
PROJECT DIRECTORS

GENERAL NOTICES

Situations Vacant

For information about vacant positions in the University, please refer to the University's Human Resources web page at: <<http://www.adelaide.edu.au/HR/newpos/advpos.htm>>.

Please note that advertising paperwork must reach Human Resources by 5pm each Friday, for publication in press on the Saturday of the following week (or appropriate date thereafter).

For further information on advertising University vacancies, please contact Human Resources on ext 35666.

Flexible employment options for staff

The recent Enterprise Certified Agreement has expanded the options available to staff who:

- would like to work in a more flexible way, or
- are considering retirement within the next few years.

These options include:

- conversion from continuing to fixed-term employment as a pre-condition to retirement Clause 35)
- conversion to part-time employment (Clause 36)
- conversion to part-time employment for the care of family members (Schedule 7, Clause 4.5)
- conversion to part-time employment for the care of a child (Schedule 7, Clause 5)
- flexible work arrangements (Clause 34)
- research-only academic positions
- conferring of academic titles
- long service leave entitlement at half-time pay (Schedule 6, Clause 6)
- leave without pay (including secondment without pay) (Clause 33)

For further information a Flexible Employment Options booklet (<http://www.adelaide.edu.au/HR/new/flexoptions.htm>) has been prepared which provides the main features of each option or refer to specific clauses in the Enterprise Certified Agreement <<http://www.adelaide.edu.au/HR/new/ebagreement.pdf>>.

If you require a hard copy of the booklet contact Lee Jones in Human Resources on 8303 4643 or email <lee.jones@adelaide.edu.au>.

The Bundy Prize for English Verse 2001

The Prize of \$250.00 is offered for the best poem or group of poems in English submitted in competition.

The competition is open to both graduates and undergraduates of Adelaide University, provided that they are enrolled at the University at the date fixed for sending in poems. Entries, preferably typed, must be accompanied by the name of the author in full and be delivered to the Faculty of Humanities and Social Sciences Office, Room G12 Napier Building no later than 31st August 2001.

The prize shall not be awarded twice to the same competitor. Copies of all poems presented will be retained, and a copy of the successful entry will be deposited in the Barr Smith Library.

The prize is not confined to any particular Faculty and entries will be welcomed from all sections of the University.

Judges will be appointed from the Department of English and the prize-winner should be known by the end of Semester Two. All entrants will be advised of the results by mail.

ROBERT EWERS
Faculty Registrar, Humanities & Social Sciences

Declaration of Result

SSAU Consultative Committee

Election of general staff member from Adelaide University (one vacancy)

At the close of nominations for this vacancy, 12 noon Friday 18 May 2001, only one nomination had been received.

I therefore declare the following nominee elected:

ROBERT WILSON

SUSAN GRAEBNER
Returning Officer

Call for applications for promotion to Level B/C

Staff and titleholders wishing to apply for promotion to Lecturer Level B and Senior Lecturer Level C (and equivalent) are now invited to submit their applications.

Applicants should refer to the revised Policy and Guidelines, and the appropriate Position Classification Standards. A promotions toolkit applicable to the submission of applications has been developed and available for viewing at the following Web address: <<http://www.adelaide.edu.au/HR/policies/promtn/acapromtnlbox.htm>>.

Applications should be made on the approved application form.

Applications from staff members (ten copies) must be submitted to the General Manager, Human Resources, by 15 July 2001.

Absolutely no supplementary information will be accepted from applicants after the closing date for applications, unless requested by the University.

Please note that applicants are responsible for contacting their own referees and forwarding them their application, the appropriate position classification standard and the form letter requesting that the report be sent to the General Manager, Human Resources by 15 August 2001.

The Policy, Guidelines and the toolkit are available on the Web at: <<http://www.adelaide.edu.au/HR/policies/promtn/acapromtn.htm>>

Adjunct, Affiliate and Clinical

Titleholders should refer to the separate guidelines applicable to titleholders also on the Web at: <<http://www.adelaide.edu.au/HR/policies/promtn/acapromtnlbox.htm>>.

STEVE DAYSH
General Manager
Human Resources

Women's Professional Development Network

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

The WPDN runs a variety of activities including breakfasts, lunchtime speakers and workshops. For more information and instructions on how to join our listserver, visit our web site at: <<http://www.adelaide.edu.au/wpdn>> or contact Danielle Hopkins (danielle.hopkins@adelaide.edu.au, 33937) or Catherine Edis (catherine.edis@adelaide.edu.au, 36151).

COMING EVENTS:

Social breakfast will be held on Tuesday 19 June. For more details please check the website.

Women's & Children's Hospital

Becoming a Research Assistant in Health and Social Research

A 3 day introductory course presented by the Department of Nursing & Midwifery Research and Practice Development, WCH, 25 - 27 July 2001, Classroom 1, Level 2, Samuel Way Building, WCH.

Who should attend?

- Clinicians interested in a change in career direction
- University students/graduates interested in a career in research
- Those already working as research assistants
- Practitioners wishing to incorporate research into their everyday work

Participants will learn what is involved in being a Research Assistant within the Health and Social Research field. The course will cover the specific roles, responsibilities and expectations of Research Assistants across a range of research settings.

The course will provide an introduction to the following aspects of the Research Assistant's role and is presented by leading researchers and experienced Research Assistants:

- Qualitative and Quantitative Research methods and design
- The research grant process
- Research and ethics
- Recruitment, gate-keeping and access
- Research protocol development
- Day-to-day project organisation and administration
- Data collection & management
- Interdisciplinary liaison
- Career development
- Applying for a Research Assistant position

Enquiries/Bookings: Rachel Furno, tel (08) 8204 6468 or email: <nurmidres@wch.sa.gov.au>.

RESEARCH BRANCH: SPECIAL NOTICES

NHMRC Australian Health Ethics Committee Workshops 2001

The National Health and Medical Research Council and the Australian Health Ethics Committee will be hosting a series of workshops for researchers and Human Research Ethics Committees between 22 June and 19 July 2001.

Two half day workshops will be held in eight cities:

Morning Workshop: Clinical Trials

Afternoon Workshop: Research in the Humanities and Social Sciences

The Adelaide workshops will be held on Monday 16 July.

Further information regarding the purpose and content of the workshops, and a registration form, will be available on the NHMRC website <<http://www.health.gov.au/nhmrc/research/contents.htm>> from Friday 1 June 2001.

NHMRC Training Awards for 2002

Information on the current round of NHMRC Training Fellowships including Industry Research Fellowships, Howard Florey Centenary Fellowships, CJ Martin Fellowships, Neil Hamilton Fairley Fellowships, Peter Doherty Fellowships etc, and Travelling Awards for Research Training is expected to be available on the Research Branch website (see below) by the time this notice is published. The internal closing date for applications is 20 July 2001. The Research Branch contact for NHMRC programs is Vada Osborn email at <vada.osborn@adelaide.edu.au> or on extension 35051.

Doing Business and Research: Australia and Germany - Inter-Cultural Communication

3 Day Workshop

Adelaide University, as part of the Australian-German Joint Research Co-operation Scheme, is offering an intensive training program designed to optimise the development of successful business and research links with German industries and universities. The Workshop would be of interest to any one considering conducting research or studying in Germany.

The 3 day Workshop will be held at Urrbrae House, Waite Campus on June 27, 28 & 29.

Please contact Lynette Kelly of the Research Branch at <lynette.kelly@adelaide.edu.au> for further information.

FUNDING OPPORTUNITIES

Remember to check the Research Branch website <www.adelaide.edu.au/RB/fund.html> regularly for up-to-date information about current research funding opportunities.

NEWS FROM THE MAIL ROOM

Preferred University Couriers

Following discussions with Finance Branch, Australia Post Mail Room and Property Services it was agreed that a 'standard' courier service be developed and offered to the University community.

Most departments would have had a visit from Marc Kelly, Mail Room Manager, regarding this initiative.

The following Courier Services are the University's preferred providers:

Messenger Post: Within South Australia
Bookings: 8354 7250

Australian Air Express: Interstate Mail
Bookings: 8303 5736

DHL: Overseas Mail
Bookings: 8303 5736

Marc Kelly is available to assist all customers with questions regarding these services. Marc's direct number is 8303 5736.

Mail Room Website

Property Services in conjunction with Australia Post have developed the Mail Room web page. This is located at: <www.psb.adelaide.edu.au/mail/default.htm>.

An exciting feature of this website is the built in calculator which will produce an estimated cost of any article being posted. Please note this is an estimate only as it does not include the special University rates.

Please visit the site and send us your comments. Your feedback is very important to us in order to continue our high customer service.

Return Addressing Mail

The cooperation of all users of the Mail Room services is sought once again to include a return departmental address.

Only the department name is required on all Adelaide University envelopes. This is achievable by purchasing a self-inking stamp.

Many University departments and business units already include a return address on the outside of their mail as part of their marketing and identity which assists the Mail Room Staff return all undeliverable mail.

The Mail Room receives up to 200 items per day of undeliverable mail.

When mail is returned to the Mail Room as undeliverable without a return departmental address it has to be opened to determine the sender and forwarded on. This slows the return of the mail and it is preferable that the Mail Room not open mail.

Biosphere researchers go for broke

SINCE it began a few years ago, National Science Week (held last month) has been explaining science to an audience that grows each year; extolling the virtues of science and showing that life as a scientist can be fulfilling, exciting and attractive.

While research or teaching are often promoted as the natural destinations for science graduates, increasing numbers are turning to the new scientific profession of "science communicator".

Science communicators are not always science journalists, nor are they necessarily teachers. They write books, work in public relations, broadcast science programs and perform a host of other functions, the common thread being the elevation of science as a worthwhile and interesting pursuit. They even have their own professional organisation.

They also go under other names. Michelle Bald, who recently submitted her PhD thesis in the Department of Environmental Biology, works for the CRC for Freshwater Ecology at Mildura. Her title there is as a "knowledge broker"—just a new name for a science communicator?

"My particular role is very much focused on the community, so I'd be a science communicator," said Ms Bald. "Others focus more on knowledge acquisition and feeding that information on to other researchers. As knowledge brokers, we facilitate information flow," she said.

Scientific information flow was in full swing at Calperum's first Open Day last month. Calperum, a reclaimed pastoral property, is part of the huge Bookmark Biosphere Reserve, a region in which the local community is committed to living sustainably in economic, social and environmental terms

that were framed by UNESCO.

Adelaide University staff and students are involved in numerous research projects at Calperum, and they were on hand to lead field excursions and talk about their work. Since Bookmark is adjacent to Renmark, the River Murray is a primary focus of research work there.

"Our CRC is devoted to the research of wetlands, rivers, and moving towards sustainable management of those aquatic systems," said Ms Bald.

Since the Murray is Australia's largest river, the CRC is aiming at a big target. "One of the major problems in the Murray is the regulation of the river," said Ms Bald. "Locks and weirs have altered the way the water moves down the Murray and affected its flow, and this is now the cause of many of the difficulties in the system."

"Because of this regulation, peak flow comes at a different time of year from when it used to, so now up at Albury, the peak is largely in summer when it used to be in winter. This poses a lot of problems for plants and animals that live in this area and rely on the river, because they have adapted to the river's natural flow, where the water peaks in winter and is very low in summer," she said.

"The Murray used to dry out in summer," said Ms Bald, "So plants and animals that were adapted to the flooding and drying cycle have been taken away. Many plants flower and set seed in very high water levels, but those seeds will not germinate until the water recedes. They need the wetting and drying cycle in order to complete their life cycle," she said.

Other plant species, both native and introduced, take advantage of these very stable conditions. Native bulrushes (*Typha*



Michelle Bald takes a water sample from the Murray. Photo: Rob Morrison.

spp) are now almost a pest in some places because their growth is favoured by constant water levels and high nutrients.

Standing at a weir and looking upstream reveals many introduced willows, which also like stable river levels. Look downstream, where the water level fluctuates, and willows are much less frequent. Introduced animal pests like carp also prefer the stability created by river flow regulation, but Ms Bald's concerns lie not just with the river, but with the wetlands and floodplains that border it.

"Many plants like river red gums need a flood for seed to germinate. You can often see

where a flood got to in the wetlands by a band of river red gums that germinated then," she said.

"Many floodplain plants, like black box, also require flooding on an intermittent basis. By introducing regulation and levee banks, we have lost the connection between rivers and their wetlands and the floodplain areas."

Like other environmentalists, Ms Bald has a huge wish list. First, she would restore something of the natural flow in the Murray, letting water levels peak in winter and early spring, and drop to a minimum in summer.

Continued Page 10

Food & drink for all tastes

TWO major food and drink events are being held at Adelaide University in early July, with gastronomic discussion to suit all tastes.

The Research Centre for the History of Food and Drink is holding its second international conference from 2-4 July.

Local, national, and international scholars will present papers on a wide variety of topics, including: the history of wine, wine as metaphor, food as a yardstick of the quality of life at sea, European bread making, the political economy of wine, eating out in German films, and the rise and meaning of luxury claret.

For more information contact Dr Lynn Martin, ph (08) 8303 3751, or email:

<lynn.martin@adelaide.edu.au>.

Immediately following the international conference is the National Academies' Forum Symposium on Food and Drink in Australia, 5-6 July.

The National Academies' Forum is the combined organisation of Australia's four learned academies.

Issues to be discussed at the symposium include food production, genetically modified foods, fast food and gastronomy, regionalism and globalisation, beer and wine, and the future: Asian or Mediterranean?

For information about both events, visit the centre's home page at: <<http://arts.adelaide.edu.au/CentreFoodDrink/>>.

Advertisement

Want to work in the UK but unsure how to go about it?

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Medi Placements are the UK's friendliest medical recruitment agency and we specialise in providing the best jobs and best rates of pay for locums from overseas.

The service starts before you've even left home as we can advise and help you with everything you need to know including travel arrangements and accommodation. Your job will, of course, be waiting for you and we can also help you with your banking and tax arrangements. Once you're working for us, we even provide sickness and holiday pay.

Medi Placements offer a huge variety of work across the UK and our excellent benefits package includes the top rates of pay as well as career advice and the support and back up you would expect from a company that puts people first. We are currently particularly looking for people with the following areas:

Audiologists, Phlebotomists, ODA's / ODP's, Cytoscreeners, Biomedical Laboratory Scientists, Cardiac Technicians, Physiotherapists and Occupational Therapists

For further details contact us on: +44 (0) 20 8491 8899 or email: info@mediplacements.com

Information is also available at: www.mediplacements.com

Garden of discovery

A NEW Garden of Discovery is being created at Adelaide University's Waite Campus.

Launched last month by His Excellency Sir Eric Neale, Governor of South Australia, the garden celebrates the internationally significant achievements of South Australian scientists in the agricultural and natural resource sciences.

Located on the south side of Urrbrae House, next to the rose gardens, the Garden of Discovery features a winding pathway which will soon be studded with "sound posts". By lifting a small flap on each post, visitors will be able to listen to the voices of the scientists themselves, each speaking in their own words about their research and key scientific achievements of the last 75 years at the Waite.

Landscaping of the gardens is underway, with the aim of representing achievements in plant breeding, early plant genetics, soils and trace element research, molecular engineering, biodiversity, Australian flora in the landscape, biological controls, viticulture and wine research.

The Garden of Discovery project has been funded through sponsorships from the Department of Communication, Information Technology and the Arts, the Department of Industry, Science and Resources through the National Science Week program, the Australia Council, the History Trust of South Australia and descendants of some of the scientists. Almost \$60,000 in support has been raised so far, and the project's manager, Waite Arboretum and Gardens Curator Dr Jennifer Gardner, said she was keen to welcome other sponsors to the project.

"The project will be developed further over several years," Dr Gardner said. "The narratives told in the garden will be linked with interactive displays on current research,



Urrbrae House.

with the aim of informing visitors about research and education opportunities at Adelaide University and fostering interest in science amongst young people."

The Garden of Discovery also features works by South Australian artists. Renowned sculptor John Dowie has contributed a bronze bust of Professor James Davidson, sponsored by the Davidson family. Paving stones inlaid with brass reproductions of insect drawings by entomologist Helen Brookes, who also worked at the Waite between 1936 and 1982, are being laid in the garden. And local wood sculptor Doug Bell designed and crafted seats of red gum and a revolving table which also supports a metal "story-book", describing the early collaboration which led to the development of Australian "bioclimatic zones".

—Lee Welch

Siberian river adventure: from source to sea

LAST YEAR he conquered the Amazon. This year, Adelaide University Science student Ben Kozel and his international team-mates have set out to do what no-one has ever done before: row the entire length of the world's fifth-longest river, cutting through the very heart of Siberia to the Arctic Ocean.

The river is the Yenisey. Its source begins at Otgon Tenger, the second highest mountain in Mongolia, and around 5500 kilometres later it empties into the Arctic Ocean near the tiny Siberian village of Dudinka.

The Yenisey is relatively unknown to Westerners, having been locked away behind the Iron Curtain for so long. Now the group—featuring Australians Ben Kozel and Tim Cope, Canadians Colin Angus and Remy Quinter, and Russian Maria Mironofskaya—have the chance to become the first people in the world to traverse the entire length of the river.

Ben and Colin were two of the three-member team which last year become the first people in the world to row the Amazon. Along the way they faced deadly whitewater rapids, were shot at by soldiers, and almost run down by passing ships.

Ben Kozel spoke to the *Adelaidean* before heading overseas for his latest adventure, which began last month.

"Even in the early stages of the Amazon we were thinking, 'okay, when we've done this, what are we going to do next?' Especially after we'd faced the hardships of the whitewater and getting shot at in the Amazon. We thought the question was bound to come: 'what's your next adventure?' so we thought we'd better have an answer," Ben said.

For their second expedition, the team couldn't have chosen a more different part of the world.

"The Yenisey is the opposite of the Amazon in many ways," Ben said. "Where the Amazon goes west to east, and is right near the equator, this river goes south-north and is in the temperate to Arctic region. It's going to get colder the further we go north; even where we start in the steppes of Mongolia, the weather is harsh.

"We'll be battling the cold... we finish at 73

degrees north, which is well inside the Arctic circle. In southern hemisphere terms, that's inland Antarctica."

The entire journey is expected to take the team around five months to complete, with their finish date scheduled for late September.

This time the crew is better equipped to face their conditions. Not only do they have the support of several key sponsors, there are more of them in the team, Maria's knowledge of Russian language and the terrain will be invaluable, and they have the use of kayaks as well as a raft. The Amazon adventure used a raft only because no-one had ever rowed the Amazon in such a vessel. But with the Yenisey, the team will be the first no matter what they use—so they opted for the kayaks as a safety precaution.

"In really treacherous whitewater, it's good to have one person in a kayak standing by. If the raft flips, and that person is trapped by the currents, the kayak can get in there because he's got much more power and ability; he can race in there and grab the person, haul him out before he drowns. So that's a safety thing. We didn't have that in South America," Ben said.

The team will not only experience rapids during their journey, but also the incredible sight of Lake Baikal, the world's deepest lake. The lake's unique wildlife includes seals, which are 4500 km away from the nearest ocean.

In many ways, it was Ben's interest in the natural world that led him to his first adventure in the Amazon, and now this.

"My Science degree has generated a lot of my interest in global environments, global ecosystems, biological sciences, zoology, botany, ecology. I can tap into that knowledge and apply it in these places," he said.

But Ben's journeys have also opened up his curiosity of other cultures. In some ways, he said the interaction with other people and cultures was a bigger reward than knowing he had achieved something never done before.

For more information about the expedition, visit: <www.raftyenisey.com>.

—David Ellis



Ben points to the source of the Yenisey. Photo: David Ellis.



Above: Ben conducts an interview via satellite phone. Photos from www.raftyenisey.com



Above: Ben and Colin paddle their kayaks in Mongolia.

POSTDOC PROFILE

DR KATHY EVANS

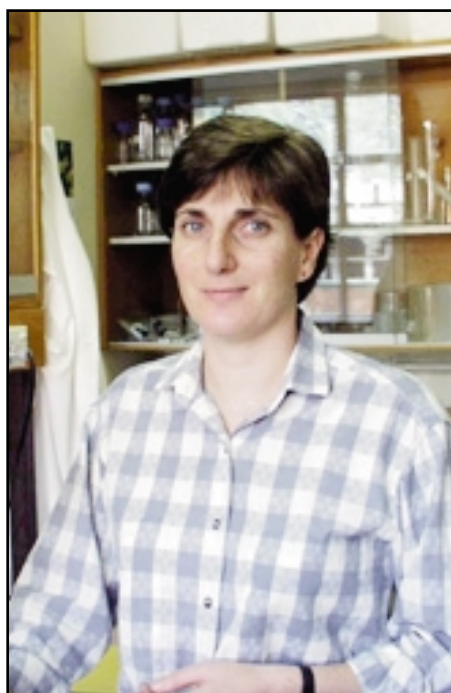
DR KATHY EVANS is a research associate with the CRC for Weed Management Systems, based at Adelaide University's Waite Campus under the direction of Associate Professor Rick Roush.

Her pet weed is blackberry (*Rubus spp.*), a Weed of National Significance which occupies 8.8 million hectares in Australia, reducing biodiversity and recreational values, and consuming land intended for forestry or pasture production. At least 40% of the infestation is inaccessible to chemical control, and the results of biological control, using strains of a rust fungus, vary from spectacular to total failure.

The aim of Kathy's project is to introduce additional strains of the rust fungus that will weaken biotypes of blackberry characterised as disease resistant in Australia.

Kathy's research involves collaboration with the Plant Biodiversity Centre, SA, various agencies in each State, including the Department of Natural Resources and Environment, Victoria, and the CSIRO laboratory in Montpellier, France.

"This project is not only about improving



Dr Kathy Evans. Photo: Lee Welch.

weed management, but also about using the results of basic research to develop strategies for improving the effectiveness and efficiency by which new agents are selected and established," she says.

Free lectures by new Professors

THE Inaugural Lectures series continues in June, with a strong and diverse line-up of lectures from recently appointed Professors of Adelaide University. These lectures are free and open to all.

Where: Lecture Theatre 102, Napier Building
When: Friday lunchtimes, at 1.15pm

Friday 8 June

Professor David Wilkinson (South Australian Centre for Rural and Remote Health): *Major rural health challenges for Australia into the 21st Century.*

"Australia confronts a medical workforce whose distribution is increasingly inequitable. Rural and remote areas are particularly underserved. I will present new research that describes and explores reasons behind this, will report the exciting role that the University is playing in addressing these issues and will consider some radical new options."

Friday 15 June

Professor Richard Hillis (National Centre for Petroleum Geology and Geophysics): *The future of fossil fuels: neo-Malthusians, cornucopians, greenies and roughnecks*

"The stone age didn't end because we ran out of stones. Nor will the oil age end because we run out of oil. This lecture will present a more 'cornucopian' than 'neo-Malthusian' view of future world oil supply."

Friday 22 June

Professor James Paton (Molecular Biosciences): *Treatment and prevention of infectious diseases: challenges for the 21st Century.*

"In spite of the availability of antibiotics for over 50 years, bacterial infectious diseases continue to kill more people than any other disease group. New pathogens are emerging; old ones are returning, but this time with resistance to multiple classes of antimicrobial drugs. Global management of these infections in the 21st century will require a better understanding of the pathogens themselves, as well as development of novel therapeutic and preventative strategies." (see story page 1).

Friday 29 June

Professor Graeme Dandy (Civil & Environmental Engineering): *Optimising water supply systems: a pipe dream?*

"Beneath every city lies a network of water supply pipes that, like the network of arteries in a human body, is essential to healthy operation. These pipes cost many millions of dollars to install and maintain and when they burst the consequences can be very disruptive. This presentation will describe the development of a new computerised procedure for identifying the minimum cost design of water supply systems. It works by analogy to population genetics and has, in its applications to date, shown dramatic savings compared to conventional design techniques."

Students are all wired up at St Mark's

ST MARK'S residential college in Adelaide has become the first in Australia to provide computer terminals in every room as a standard item, connecting students to an internal and external e-mail service, their universities and the internet.

Every student now has a Sun Microsystems Sun Ray appliance, comprising screen, keyboard and mouse in their room, linked to a central server. This provides a standard desktop throughout the college, with the ability to update the software and other applications from one location.

The Sun Rays, with no moving parts, are silent devices requiring minimal maintenance. Students can access their files from any appliance in the college—not just the one in their room—24 hours a day.

Around 200 machines are wired up at the college. St Mark's also has cabled every room and building with optical fibre technology for high-speed internet access.

The chief administrator of the new system is an Adelaide University Computer Science student and St Mark's resident, Alan Lee from Singapore.

"It would have been too expensive to provide personal computers to all students because they're more expensive than Sun Rays and are very costly to manage," Alan said. "This

allows us to overcome a number of technical problems and provide a unique service to students at the college."

The Master of St Mark's, former Premier of South Australia the Hon. John Bannon, said the computer terminals were "a major support to effective study".

"Universities are increasingly putting lecture notes and information on the net and students often need to submit written work and assignments by this means. The whole process will be easier as students will not have to spend so much time waiting for terminals to be freed up at their university. Much more work can be done within the college and in consultation with tutors and colleagues," Mr Bannon said.

The Sun system is well-proven, already being used in the Computer Science Department at Adelaide, as well Flinders and University of SA.

St Mark's charges a technology fee to students, which does not exceed more than a few dollars a week. It covers provision of the appliance, access to the college network, the university, e-mail, and a very generous quota of free time on the internet.

"When you consider internet costs and the cost of technical support, this system is much more cost effective for students than having to run their own PC," Alan said.



Alan Lee at one of the new computer terminals. Photo courtesy of St Mark's.

School students to receive education for the planet

SCHOOL students at Year 9 level will be targeted by a new campaign aimed at giving young people an "Education for the Planet".

The Education for the Planet program has been designed by Adelaide University's Faculty of Agricultural & Natural Resource Sciences and local agriculture teachers. The aim is to develop and strengthen partnerships between the University and secondary schools and students, and promote careers in natural resource management.

Through the program, students will gain a better understanding of current research and production, as well as the wide range of career opportunities available to Adelaide University graduates, particularly those from the Bachelor of Agriculture degree.

Education for the Planet has two main themes: career options that support sustainable development and protection of our fragile planet; and career options that span the globe.

In the second half of 2001, the Livestock Systems Alliance (comprising Adelaide University, PIRSA, SARDI and TAFE) and Roseworthy Campus will host a two-day program for Year 9 agriculture students from



Trinity College and Balaclava High School.

On each of these days up to 60 school students will spend time with staff, honours and PhD students in a series of sessions aimed at introducing them to the technology and research component of modern agricultural practice. Each student will be provided with a work book and a showbag of information about careers, job prospects and

tertiary education options. The on-campus sessions will support existing SACE curriculum content.

"The level of Year 9 has been chosen for the on-campus project because this is the year at which students must make decisions about subject streams for their future career options," said Faculty Communications Coordinator Ms Lee Welch.

"Year 8 and 10 students are included in the Education for the Planet program through classroom visits by some of the same staff providing the on-campus program. Again, the staff will work with teachers using SACE curriculum content and will showcase new technologies, and talk about career options and job availability."

Year 12 students from Trinity College will also get a taste of the program when they come on campus midway for a session on animal technologies with Professor Phil Hynd, Head of the Department of Animal Science.

Education for the Planet will also introduce secondary school teachers to the University's facilities and current work at the Waite and Roseworthy campuses through a program designed to meet the criteria for continuing professional development by teachers in these disciplines.

"We not only want to show teachers what the University has to offer, but also enable them to stay up-to-date with research and developments in the field. And we want to give them the message that they have our support in promoting further study and, through that study, careers in agriculture and natural resource management," Ms Welch said.

Advertisement

Our help makes hosting your conference easier.

National and international recognition in any area of expertise can attract many opportunities for those who are able to present and promote their work with style and professionalism. And what better backdrop is there than the attractions of Adelaide's internationally renowned entertainment, food and wine regions?

Which is why the Adelaide Convention & Tourism Authority (ACTA) provides free assistance through its University Project to attract and stage outstanding conferences. Our services include:

- Preparation of proposals to attract regional, national and international conferences to South Australia;
- Conference facilities, venue and catering advice;
- Videos, posters and brochures for publicity, delegate satchels and conference promotion;
- Conference budgeting, organisation and planning advice;

- Intensive conference training through the "Essential conference organiser's workshop", held each quarter.

The opportunity to successfully promote your expertise and research to industry, government and the community will always be important. With our local knowledge and an ideal setting to help, you will be able to focus on what you do best.

Find out more by contacting ACTA's University Project on (08) 8303 2333 or uni@acta.com.au
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<http://www.visit.adelaide.on.net>


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AUSTRALIA

ACTA297

Biosphere researchers go for broke

From Page 8

"It would require a compromise in terms of the social and economic demands on the Murray," said Ms Bald, "But it would be good to reinstate connections between the river, wetlands and floodplains. If we could then remove a lot of the pest species; the carp, and aquatic weeds that are in the system, then I think we'd have a healthy system," she said

Various research projects are now tackling most of those problems. While nobody expects the river to return to its pristine state, there is some optimism that parts of it, at least, can be restored.

"We have started to bring back this wetting and drying cycle to many wetlands and floodplains," said Ms Bald, "But we need a better understanding of the ecology of the system, and we are

working on that.

"It needs everybody, all partners involved, to be committed to sustainable management of the Murray; the ecologist who is trying to discover the complexity of plants and animal relationships, the irrigators who use the Murray in an economic way, the person who comes down on a recreational basis. I think it is important that we all work together for the sustainable use of the system."

Sounds like a broker who deals in futures.

Ms Bald's work will feature in *Wetlands, Drylands*, a 30-part radio series on the Murray to be broadcast on Adelaide Radio 5UV in September. For more information about the Australian Science Communicators, visit their website: <<http://www.asc.asn.au/>>.

—Rob Morrison

New face, new name, new location for Adelaide's Alumni office...

IN 1999, Adelaide University recognised Alumni, Community Relations and Development as a vital source for attracting funding and support for continuing University programs and undertook to more effectively utilise both domestic and international alumni in the enhancement of recruitment, "friend raising" and fund raising activities.

On Friday, 25 May, the Vice-Chancellor (pictured) launched the new and professional face of the Alumni, Community Relations and Development office which was celebrated at the official opening of the new office space at Level 1, 230 North Terrace. The launch, attended by University staff, Alumni Board members, Chapter volunteers, graduates and friends of the University, was an informal function which showcased the heightened profile of alumni activities in the University's overarching strategy.

Chair of the Alumni Association, the Hon. Greg Crafter, encouraged all to look upon the new office as a home for alumni, staff and friends in the University community.



Graduates get the global ViBE

IN THE year of our nation's 100th birthday, Adelaide University graduates will take part in the ViBE Project, which aims to develop youth awareness of Australia's identity, future and multiculturalism.

Students largely from the schools of Commerce, Engineering and Computer Science will work with international delegates and South Australian high school students in the project.

Some Adelaide graduates are already helping the cause on exchange overseas. ViBE organisers plan to send another 26 Australian graduates overseas for work placements this year, bringing as many international graduates into SA to work in local companies and integrating the overseas graduates currently in our state.

The exchange program is run by AIESEC, the world's largest student organisation, which has 25 members at Adelaide University. With the help of information technology company EDS, AIESEC Adelaide expects to send four graduates overseas this year for development programs in such places as the Philippines, Slovenia,

Malta and Portugal.

"We are giving students an opportunity to not only develop the skills and knowledge that would be beneficial in later life, but to also provide them with a greater understanding of the world around us," AIESEC Adelaide's Ciu Trieu said.

AIESEC aims to strengthen its partnership with Adelaide University through increasing awareness of activities. The global student group has a professional set-up across the state's three universities.

Chair of the Board of Advisers, Commerce Senior Lecturer Barry Burgan, said: "The SA group has an exciting opportunity. They have won the 'contract' to present the State Government's key youth-focused Centenary of Foundation event."

The ViBE Project events are widely supported by businesses, and AIESEC Adelaide has partnerships with companies such as Compaq, EDS and DMR Consulting.

Seventy university students will form part of the Opening Youth Congress (27 July), which is the official opening of the project. The Congress will discuss global interpretations of "What it means to be Australian".

In "Exploration Period" (28 July - 27 September) the internationals will share with high school classes their experiences and preconceptions of Australian culture. Findings from the activities will contribute to a book and CD to be developed at the end of the project.

"Global Village" (21 September) in Rundle Mall will invite international students and graduates to showcase their traditions and arts.

During the Closing Youth Congress (27 September), Adelaide University students and others who have gone overseas will give speeches about the issues raised. This part of the project focuses on changing youth apathy about cultural enrichment.

The exchange participants that AIESEC sends abroad in 2001 will become Federation Global Explorers, who are given assignments to complete on the identity issue when they are overseas.

For more information, visit the AIESEC office in the basement of Security House, North Terrace, or phone 8303 5909.

—Patrick Phuong

Community Access just a click away



EVER wanted to learn more about Ancient Egypt, Australian Film, International Politics or the Environment? Ever wanted to learn about a subject without all the hard work of studying, essay writing and taking exams?

That's exactly what the Community Access Program at Adelaide University's Faculty of

Humanities & Social Sciences offers.

Anyone in the community can learn simply by taking advantage of the Community Access Program. The program gives members of the public the opportunity to enrol in classes without the need for prerequisites or prior qualifications. Community Access students attend lectures where they find out about their favourite subject, but at the end of the semester these students don't undertake a formal assessment.

Subjects are available in the range of Humanities & Social Sciences disciplines: Classics, English, Anthropology, Asian Studies, Education, European Studies, Linguistics, Geographical & Environmental Studies, History, Philosophy, Politics and Social Inquiry.

Community Access courses cost \$85 per course per semester, with Semester 2 starting on 23 July.

For more information phone 8303 5245, or visit the Adelaide University Arts homepage at: <<http://arts.adelaide.edu.au>>.

ALUMNI NEWS

WE NEED YOUR BUSINESS CARDS

The Alumni, Community Relations and Development office will once again be profiling the Alumni Association as part of Adelaide University's Open Day on 19 August 2001. As part of our visual display we would like to highlight the diversity of our alumni to prospective students and their parents. Our alumni are involved in all walks of life and are found all over the world. One of the ways in which we will reflect this diversity is to have a display of business cards sent in from our alumni. If you would like to support our efforts in showcasing our Association and University please send in your business card to our reply paid address located below. The cards will be used solely for this purpose and will not be distributed to a third party.

Ms Kim McBride
Alumni, Community Relations and Development
Adelaide University
Reply Paid 498
ADELAIDE SA 5001
AUSTRALIA
Tel: (08) 8303 3196.

CHAPTER UPDATE

The Florey Medical Chapter is pleased to report that selected items from the Florey Exhibition are currently being displayed in the Mind and Body Gallery situated at the Melbourne Museum. The Science and Mathematical Sciences Chapter held its AGM on May 30 featuring guest speaker Dr Rob Morrison, Adelaide University science writer. Dr Morrison spoke on the subject of Science and the Media. The next public lecture in the evening series will be held on 27 June in the Rennie Lecture Theatre, North Terrace campus. The presentation by Professor David Boyd entitled "Geophysics and Airborne Exploration for Minerals" commences at 7:30pm and is free of charge. The MBA Alumni Association has recently launched its electronic newsletter. This newsletter is circulated electronically to its financial members each quarter and includes information on professional development seminars, Speaker Nights and other networking opportunities organised by the chapter. Requests for further information on the MBA Alumni Association and how you can become a member can be sent to <alumni-assoc@gsm.adelaide.edu.au>.

STRATEGIC REVIEW OF THE SOUTH AUSTRALIAN HIGHER EDUCATION SECTOR

The guest speaker for this year's AGM of the Alumni Association will be Mr Ian Harrison, Chief Executive, SA Business Vision 2010. Mr Harrison will speak on the recent report commissioned by SA Business Vision 2010 entitled "Strategic Review of the South Australian Higher Education Sector". The review, conducted by Phillips Curran Pty Ltd, looks at the higher education sector in South Australia, the opportunities and threats likely to arise over the next five years, and the potential contribution of this sector. Alliances between higher education institutions, the State Government and business are also explored in light of how they might strengthen innovation in South Australia. The terms of reference for this review look toward "an environment within which government, universities, business and the community work together to advance Adelaide's recognition as an 'Education City'".

The AGM will be held in Union Hall, North Terrace campus and will commence at 5:30pm. Further information about the meeting and the Alumni Association Annual Report for the calendar year 2000 can be obtained from: Alumni, Community Relations and Development, tel: (08) 8303 3317, fax: (08) 8303 5808, email: <alumni@adelaide.edu.au> or visit our website <www.adelaide.edu.au/alumni>.

ADELAIDE UNI CAMPUS TOURS - THEY'RE FREE!

Would you like to see the historic buildings and beautiful grounds of South Australia's oldest University?

Learn about the history and heritage of Adelaide University on a free of charge tour conducted by trained guides from the University's Alumni Association.

Tours depart each Tuesday morning at 10.30am from University Gate 20, next to the Art Gallery of South Australia on North Terrace. Groups may make arrangements for tours at other times by calling the Alumni, Community Relations and Development Office on (08) 8303 3234.

Tours of the Roseworthy Campus, Waite Campus and the University's Art Collection are planned during 2001—bookings will be essential. Groups may make arrangements for tours at other times by calling Judith Edwards, Donor Relations Officer, Alumni, Community Relations and Development Office on (08) 8303 3234.

www.adelaide.edu.au/107

June 2001

SUV Radio Adelaide 531am

On Your Radio

Festival of Ideas! This unique event (12 - 15 July) will be recorded in its entirety by us, and then broadcast in not one, but two, timeslots! The themes for the 2001 Festival are water, population, addiction, intoxicification and reconciliation. *Advance Notice*

Aspects of Ageing
What is ageing? When does it begin? When are we middle-aged and when are we old? The series continues to explore transition in our lives. *started Monday May 14*
Radio Expresso at 7.30am, Roundabout at 3.30pm

Sunday mornings
when you've got time to let your mind wander

9am Arts Alive
arts ideas and issues

10am On Campus
research, ideas & music from Adelaide University

11am Public Domain
June 17 **The Architects of Crime**
What do readers of crime fiction have to say about the genre?

June 24 **The Secret State**
A Politics in the Pub event recorded May 24 with Mike Elliott, Bob Such and Chris Finn.

see our Program Guide for our ongoing program of public talks every Sunday

Subscribe to SUV Radio Adelaide in June & you'll go into the draw for a 8 double passes to the Palace East End Nova Cinemas valid to December this year / valued at \$200 ring us on 8303 5000 for details.

CD showcases indigenous music

AUSTRALIA'S leading tertiary music centre for indigenous students has launched its first annual in-house CD production.

The Centre for Aboriginal Studies in Music (CASM) at Adelaide University has put together 16 tracks of locally produced indigenous contemporary music, with performances and compositions by students and staff.

At CASM, students not only learn the skills to develop their musical talent, but also gain experience of performance and recording at CASM's own professional studio.

For its first CD, CASM has chosen a selection of songs recorded during 1999. With the label *CASM Showcase 1999*, the CD presents an excellent music vintage, in much the same way that winemakers label their product.

"Ninety-nine was an important year for CASM and the University," said Mr Jardine Kiwat, CASM lecturer and coordinator of the CD production.

"At the time we were celebrating the University's 125th year, and it was also the eve of CASM's 25th anniversary. When you include the fact that it was also the new millennium just around the corner, it was a big year for us."

The title of the CD is also a celebration of CASM's annual Showcase Performance, which is held at the National Aboriginal Cultural Institute - Tandanya. In recent years Tandanya has provided much support for CASM's music and dance performances.

The songs on *CASM Showcase 1999* range across a variety of musical styles, from



From left: Students Steve Allen and Wayne Bright with CASM lecturer Grayson Rotumah and studio engineer Bob Roper. Photo: Randy Larcombe.

contemporary traditional to country, rock, and the newer indigenous styles. Included are solo artists and bands, the well-known CASM choir Keriba Wakai, and the staff band Trochus.

"This recording reflects the breadth and depth of talent at CASM," Mr Kiwat said. "Our studio is dedicated to the recording of indigenous artists and is already becoming recognised as a recording centre and central production house in South Australia for indigenous musicians and organisations."

The CD is available now from Tandanya or from the CASM office (6th floor, Schulz building, North Terrace Campus) ph 8303 5705. Recommended retail price is \$22.

—David Ellis

The *Adelaidean* has one free copy of *CASM Showcase 1999* to give away. To receive your free copy, be the first to call 8303 5174 and answer this question: what is the name of CASM's staff band?

Percussionists are national award winners - again!

STUDENT percussionists at Adelaide University's Elder Conservatorium - School of Performing Arts have been consistent winners of national percussion prizes over the past three years. And at this year's Sydney Percussion Eisteddfod, held last month, they upheld their winning record.

Taking out three first awards and one second, Paul Butler, 18 and Jamie Adam 21, swept the board, wiping out all comers despite stiff competition from top percussion students from Sydney, Newcastle and Canberra Conservatoriums as well as the Victorian College of the Arts.

Both Paul and Jamie are studying for their Bachelor of Music majoring in percussion with Jim Bailey at the Elder Conservatorium.

Paul Butler is a first-year student—he won first prize in the Open Snare Drum competition as well as first prize in the Senior Multiple Percussion Section, where he

performed on vibraphone, cymbals and a variety of small percussive instruments.

Third-year student Jamie Adam is a seasoned performer and a consistent winner, and in this competition he won first prize in the Two-Mallet Marimba Open Section and a second prize in the Open Snare Drum competition.

Third-year Elder Conservatorium student Alex Stopa also achieved an Encouragement Award in the Four-Mallet Section.

The prizes included a trophy and percussion products sponsored by premium percussion manufacturers.

Judges of the competition represented some top names in percussion, including Michael Askill, founder of Synergy, Daryl Pratt, Senior Percussion Lecturer at the Sydney Conservatorium of Music, and Allan Watson, Timpanist with Opera Australia.

—Sheila Bryce, *Helpmann Academy*



From left: Jamie Adam and Paul Butler, recent winners at the Sydney Percussion Eisteddfod. Photo: Ashley Starkey.



NEWSMAKERS

The sex angle was what interested most media about **Dr Barbara Pocock's** latest research among women who combine careers with motherhood.

Her finding that growing numbers of women prefer sleep to sex at the end of a busy day earned newspaper, radio and television coverage across the country. As well as news reports, it generated comment from columnists (some critical) and leader articles in both *The Australian* (12 May) and *The Sunday Age* (20 May). Less well publicized was Dr Pocock's conclusion that most Australian workplaces still pay only lip service to being "family friendly".

National Science Week ensured that scientists received more media attention than usual during May. **Dr Yasmin Edwards** and

Dr Chris Daniels spoke to Carole Whitelock on 891 ABC (11 May) about the portrayal of scientists as nerds and the lack of science education in schools. Dr Daniels also spoke on *ABC* (7 May) about the declining number of sparrows and willy wagtails in metropolitan Adelaide. Another *ABC* interviewee during Science Week was **Professor Stuart Greenhalgh** who took time to explain the earth's magnetic field to *The Bald Brothers* and their listeners (4 May).

Professor Gil Hollamby's selection as an *Unsung Hero* of South Australian Science generated extensive publicity, particularly in rural media, with the *Gawler Bunyip* devoting a full-page feature to his life and work (24 May). In the *Epicurean* section of *The Age* (22 May), Kyllko Walker previewed

the 2nd International Conference of the Research Centre for the History of Food and Drink, which takes place from 2-4 July.

Channel 7's *Today Tonight* team sought the expertise of **John Terlet** for a story investigating the quality of razor blades on sale in South Australia (16 May). **Professor Valerie Linton** was featured in *The Advertiser* (18 May) explaining how the Cooperative Research Centre for Welded Structures is developing friction stir welding, a no-heat method of softening and knitting metal surfaces together.

In the *East Torrens Messenger* (16 May), **Dr Peter Gell** spoke about the value of Wadmore Park reserve at Athelstone as a bird habitat. *The Border Watch* (3 May) interviewed **Dr Susan Carthew** about her conservation

efforts on behalf of the yellow bellied glider, while the *Leader* (23 May) featured **Dr Peggy Rismiller** explaining how the breeding season for echidnas is sending large numbers of male echidnas on the move as they leave their home ranges in search of a mate.

In *The Advertiser* (21 May), **Professor George Ganf** drew attention to the plight of the River Torrens. His comments were picked up the next day by the newspaper's leader writer, who called for an approach that addressed all aspects of rehabilitation, from litter to catchment areas management. "It would be a hugely expensive, utter absurdity if the project to revitalize the river bank... should only expose a polluted drain and not an expanse of water worthy of a city of park and gardens," the writer concluded.