

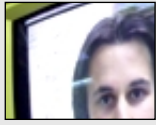
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Volume 11 Number 5

News from the University of Adelaide

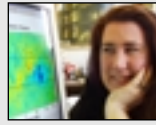
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\$35m and 100 jobs for world-class plant centre

BIOTECHNOLOGY in South Australia has been given a major boost, with the University of Adelaide winning its bid to host the \$35 million National Centre for Plant Functional Genomics.

The world-class centre, to be based at the Waite campus, will lead to significant benefits for Australia's \$8 billion grains industry.

The centre's work will involve identifying and tracking the genes in wheat, barley and other crops that control tolerance to environmental stresses, such as drought and salinity. Through molecular technologies, the centre will help develop plant varieties that are resistant to these environmental stresses, providing benefits for food production worldwide.

The centre is expected to play a pivotal role in the growth of Australia's agricultural bioscience industry and will help to maintain Australia's commercial competitiveness in crop production.

The centre will initially employ 100 scientists, with numbers to grow as it attracts new research grants and commercial investment.

Funding for the centre includes \$20 million from the Commonwealth (\$10m each from the Australian Research Council and the Grains Research and Development Corporation), as well as \$12 million from the State Government.

An additional \$3.6 million is being contributed by the three universities involved in the successful bid—Adelaide, Melbourne and Queensland—with further funding from the Victorian Department of Natural Resources and Environment.

The new centre was announced last month at the Waite campus by the Minister for Education, Science and Training, Dr Brendan Nelson, and South Australian Premier Mr Mike Rann.

Dr Nelson said the centre would apply genomics (the branch of science devoted to the investigation and understanding of genomes) to "critical problems and opportunities relevant to the Australian grains industry".

"The centre will have the scale and focus to attract world-class researchers and students through the provision of advanced infrastructure and outstanding research leadership," he said.

Mr Rann said the new centre was "a big win for our State".

"The centre will be pivotal in fulfilling our objective of becoming the national leader in plant biotechnology—and one of the top three centres for plant research in the world.

"The Waite already has international



Federal Minister for Education, Science and Training Dr Brendan Nelson announces the new Australian Centre for Plant Functional Genomics at the Waite campus, as South Australian Premier Mike Rann, Vice-Chancellor Professor Cliff Blake and others look on. Photo: David Ellis.

standing as a centre of excellence in plant research and this new bioscience centre will enhance that reputation.

"The bioscience industry is one of the fastest growing of all global sectors. My Government is keen to support this industry because it has enormous potential to attract further investment and jobs for South Australia over the next 10 years.

"Becoming a world leader in bioscience will also give us a real chance to stop the 'brain drain' by allowing our graduates and post-doctoral scientists more career opportunities here in Adelaide," Mr Rann said.

The University of Adelaide's Vice-Chancellor, Professor Cliff Blake, said the new centre was a vote of confidence in South Australia's scientists "and a triumph

for the State".

Professor Blake said a new building would be erected at the Waite campus to house the research team and the bioscience companies likely to be spun off from the centre's research. Work on the new building is due to begin next month.

"South Australia already has a competitive advantage in agricultural biotechnology, particularly plant biotechnology, based on internationally competitive research groups at the Waite campus," Professor Blake said.

"This has played a significant part in our success in securing the new centre for South Australia against strong interstate competition. The centre will be the only one of its kind in Australia, and it represents an outstanding achievement for the State. It is

further recognition of South Australia's capacity to lead the country—and the world—in developing innovative and commercially valuable platform technologies for one of Australia's most important export industries."

The interim director of the new centre is Professor Peter Langridge from the University of Adelaide's Department of Plant Science. Professor Langridge and others in the department, including department head Professor Geoff Fincher, were pivotal in securing the successful bid for Adelaide.

"The success of the Waite campus to attract the centre is built on the close collaboration that has developed between basic and applied researchers," Professor Langridge said.

Continued on Page 2

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COMMENT

ADELAIDE'S RESPONSE TO HIGHER EDUCATION REVIEW

LAST month the Minister for Education, Science and Training, the Hon. Dr Brendan Nelson, announced a major Review of Higher Education.

He claims, rightly I believe, that "it is time to take stock of where we are, where we want to go and how we intend to get there".

The Minister has released an overview paper, *Higher Education at the Crossroads*, to initiate debate on key areas of concern. It is now up to those with a stake in higher education to examine the issues facing the sector, and to respond accordingly.

A reference group has been formed to help facilitate submissions to the review. Its membership is drawn from a variety of groups within the sector and the broader community and includes representatives from a range of different backgrounds.

The reference group, which is convened by Dr Peter Shergold, Secretary of the Department of Education, Science and Training, includes three South Australians: our own Chancellor, Mr Robert Champion de Crespigny, Professor Denise Bradley AO, Vice-Chancellor of the University of South Australia, and Ms Madeleine Wooley, Director of the Adelaide Institute of TAFE and Deputy Chair, TAFE Directors Australia.

Three major reviews of higher education in Australia have taken place since the Dawkins reforms of the 1980s. There has been the Hoare Report on the management of higher education institutions; the West Report, which looked at a number of financial and policy issues, especially the impact of IT and telecommunications developments on the delivery of educational services; and, more recently, the leaked Cabinet submission prepared under the authority of the previous Minister, Dr David Kemp.

It is difficult to determine whether any of these reports has resulted in significant changes to the nature of universities or to their management, administration, or the services they provide to the community.

The need for the latest review, in the judgement of the new Minister, is because of persistent complaints that the policy



Professor Cliff Blake. Photo: David Ellis.

framework within which universities are required to operate has been too rigid and has stifled initiative and innovation.

In particular, the "one-size-fits-all" approach to funding has not, it is argued by some, encouraged diversity nor has it enabled universities to build on their strengths and differentiate themselves in the marketplace.

Other questions have also been raised. For example, is there a demonstrated nexus between research and good teaching, or—as many student groups have argued—does the research involvement of staff detract from their availability to meet with students and engage in innovative ways of delivering academic programs?

Universities that have developed since World War II have almost all developed on the comprehensive model, leading to significant replication of effort, most notably where more than one university operates in the same geographical area. There has been reluctance among

universities to collaborate and develop shared administrative, library, IT and other support facilities.

There is also concern about the under-utilisation of the substantial capital assets of universities and that workplace reform has been slow in universities and that, over time, management has lost essential flexibilities in staffing to respond to short-term shifts in demand for services.

The mode of delivery of courses often reflects the needs of full-time students and does not cater for the needs of adult learners who may wish to combine full-time employment with university studies.

There has been a noticeable lack of credit transfers between universities, but especially between universities, the TAFE system, private providers, and the other suppliers of educational services.

The Minister has also thrown out a challenge as to whether Australia should have one or two "world-class universities". If not, should there be world-class centres in

designated universities? If so, how would such universities/centres be selected and funded?

The Minister has made it clear that the Government is not likely to inject additional funding into the higher education system in the short term. If that proves to be true, and the recent Federal Budget suggests it is, what are the sources of additional funding? For example, would a deregulated fee environment encourage greater mobility of students, enhance competition, and genuinely increase choice while providing, for some universities, an additional income stream?

These are just some of the issues that must be addressed.

There is every indication that the government has a serious intent to propose far-reaching changes to the higher education system. While this University might cautiously welcome the review, it also recognises that the review poses some serious threats. The challenge for the University is to identify those aspects of its present activities and competitive position that it wants to retain while at the same time preparing itself to accommodate change that may be imposed upon it from outside.

The University's approach, in the first instance, will be to identify six or eight key issues and focus on these in our response submission. I have encouraged all staff to take an active interest in the review, to read the overview paper available on the DEST website, and to make their own contribution to the development of the University's response.

By now all the initial comments by staff will have been received by the University's Office of Planning and Development and the process of developing our submission to the Government begun. As discussion papers on specific issues are progressively released, the University will have other opportunities to have input into the review process, and we will take full advantage of those opportunities.

—Professor Cliff Blake
Vice-Chancellor

New-look *Lumen* online

THE Winter 2002 issue of *Lumen*, the University of Adelaide's full-colour magazine, is now available.

Lumen has a new look and is crammed with news and features on the excellent research and education at the University of Adelaide, as well as achievements of staff, students and graduates. The cover story deals with Australia's handling of the refugee issue.

For the first time, an online version of *Lumen* has also been produced. Readers can find it at: www.adelaide.edu.au/lumen



\$35m and 100 jobs for centre

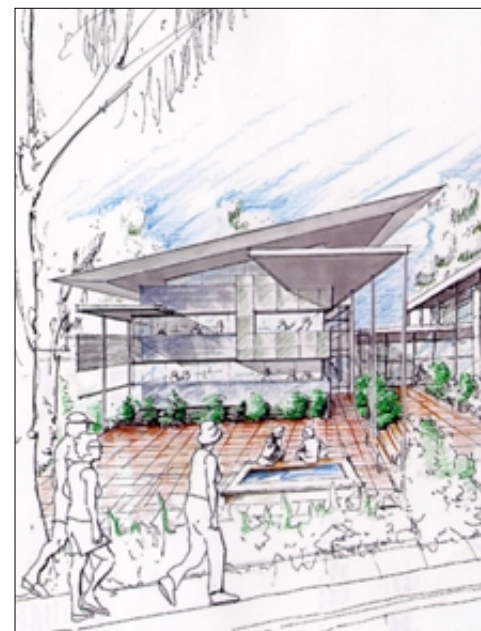
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"The recent success of Waite researchers to attract two new Major National Research Facilities was also a clear result of the close integration of research and the strong interactions developed with our co-location partners, the South Australian Research and Development Institute, the Australian Wine Research Institute and several CSIRO divisions.

"The key focus of the research [at the new centre] in the initial stages will be the identification and utilisation of variation for stress tolerance within wheat and barley and their wild relatives. These genes can then be transferred using conventional breeding methodologies.

"Wheat and barley are both grasses and there are well over 300 closely related species of grass, including many native Australian grasses. Some of these grasses have become adapted to very harsh environments, such as deserts and salt swamps, and will provide huge potential for improvement of their cultivated relatives.

"The centre will be using genetic engineering as a research tool only over the first few years but it will be exploring the use of this technology to produce plants showing even greater adaptation to stress. Genetically modified crops from the centre are a long way down the development path and the centre will explore this area in close consultation



An artist's impression of the new centre. Image by Woods Bagot architects.

with the community," he said.

To help address community concerns about the genetic modification of plants, the new centre will contribute to the public debate through an active community outreach program and through the provision of information about its research programs.

—David Ellis

Adelaidean



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Coming Events

Please send all coming events to the editor at the address below. There is no charge for coming events, but they must be University related.

Young entrepreneurs compete for \$50,000 in latest echallenge

THE HUNT for Adelaide's best young entrepreneurs is on again, with the recent launch of the second \$50,000 Entrepreneurs' Challenge.

Co-hosted by the University of Adelaide and Hewlett-Packard Australia, the competition—also known as the echallenge—will see participating teams plan for business ventures that have real commercial value.

Teams will consult with industry mentors, academics, management consultants and other key supporters throughout the competition.

"Teams have to conduct market research, carry out feasibility studies and draw up business plans for their concepts, all within a six-month period—and each team must include at least one University of Adelaide student," said echallenge project manager Elysia Ryan.

"The winning team will receive prizes to the value of \$38,500, the second team \$18,000 and third \$5250, and just as importantly, the prizes relate to helping the recipients get their venture off the ground.

"The inaugural echallenge last year was a tremendous success, particularly due to the involvement of many generous sponsors, and we are very confident this year's will be bigger and better.

"Hewlett-Packard, Deloitte Touche Tohmatsu, Corporate Express, Bank SA, Taylor Collison, and the Graduate School of Management have all agreed to sponsor the 2002 competition."

Last year's winner, Gorgeous Kid, comprised Andrea rieniets and University of Adelaide Graduate Diploma of Business Enterprise graduate Pearl Field. They are developing a business using contemporary popular music to help teach children with speech and communication difficulties.

"We were able to use the prizes to set up the necessary infrastructure, which in turn allows us to pursue venture capital. It set us ahead on our time schedule," Ms Field said.



At the launch of the echallenge were (from left) University of Adelaide Vice-Chancellor Professor Cliff Blake, Hewlett-Packard General Manager, Strategy and Ventures Mr Rohan Ganeson, Gorgeous Kid member Ms Andrea rieniets, University Deputy Chancellor Mr Brian Croser, Adelaide Lord Mayor Mr Alfred Huang, echallenge project manager Mrs Elysia Ryan, and Gorgeous Kid member Ms Pearl Field. Photo: Ben Osborne.

"The other important thing for us was the significant network of business contacts we were able to build up as part of the competition—a lot of business people saw our idea last year, have reacted favourably to it and this has given us a lot of confidence that we are on the right track."

Hewlett-Packard Australia's general manager for strategy and ventures, Rohan Ganeson, says the echallenge is an important opportunity for Adelaide's brightest entrepreneurial minds: "The echallenge

encourages entrepreneurship and the building of new Australian businesses. It stands out from other business plan competitions because it focuses on the commercial viability of the idea, not just the business plan."

For more information about the 2002 echallenge, visit the website: www.adelaide.edu.au/echallenge, or email echallenge@adelaide.edu.au. Registration closes on Friday, June 7.

—Ben Osborne

Car safety centre to be world leader

SOUTH Australia's reputation as a world leader in road accident research will be further strengthened with the creation of the new Centre for Automotive Safety Research.

The centre will be based on the University's renowned Road Accident Research Unit. It will receive \$1 million a year from the State Government over the next 10 years and will be headed by Professor Jack McLean, Director of the Road Accident Research Unit.

The centre will also draw on research expertise from the automotive industry and the two other South Australian universities.

"Since its foundation in 1973, the Road Accident Research Unit has built an international reputation for its cutting-edge work in the field of road accident and road injury prevention," said the University of Adelaide's Vice-Chancellor, Professor Cliff Blake.

"The announcement of the new centre is an acknowledgement of the Road Accident Research Unit's achievements under the leadership of Professor McLean.

"The collaborative nature of the centre means that it will bring together some of Australia's—and the world's—best design engineers and safety researchers. It is a tremendous boost not just for the car industry in South Australia but for the research and development industry here generally. It will



also help to keep the State at the forefront of engineering education and open up new employment opportunities for graduates.

"The development of the centre provides yet another opportunity for the three universities in South Australia to collaborate and develop a strong relationship with a major industry in the State."

Professor Blake acknowledged the part played by the University of Adelaide's Chancellor, Mr Robert Champion de

Crespigny, in his role as Chairman of the State Economic Development Board, in helping to secure the new centre for South Australia.

"The centre promises to bring tangible benefits to the South Australian community," Professor Blake said, "but its research has the potential to benefit many more people nationally and internationally."

—John Drislane

NEWS IN BRIEF

Medical Research Week celebrates life

"What is Life Worth" is the theme of this year's Medical Research Week (June 1-8). It's a celebration of Australian medical research with respect to what has been achieved, quality of life and the money that has been saved.

The University of Adelaide and the Faculty of Health Sciences are sponsors of the week, which involves a number of main events in Adelaide. These include:

ASMR-MRW Dinner

Monday, June 3

Mt Lofty House

7.30 pm-midnight

Presentation by Australian Society for Medical Research (ASMR) Medallist Professor Leon Rosenberg. Professor Rosenberg's career includes being Dean of the Yale University School of Medicine research, Chief Scientific Officer for global pharmaceutical company Bristol-Myers Squibb, and Chairman of Funding First, a campaign to boost US medical research.

Free Public Expo

Wednesday and Thursday, June 5-6

Rundle Mall, Adelaide

This expo showcasing medical research in South Australia will involve staff from the University of Adelaide's Faculty of Health Sciences and the Faculty of Sciences and beneficiaries of the Florey Medical Research Fund.

Members of the public will be able to visit the expo and discuss medical research with those involved in anaesthetics and intensive care, dentistry, molecular biosciences, paediatrics, pharmacology, physiology and psychology, and other fields.

Careers/Schools Day and Expo

Thursday, June 6

SA Museum

This event is aimed at exposing high school students to medical research and science in general.

For more information about Medical Research Week, visit: www.asmr.org.au

Our three-in-one professor!

The University of Adelaide's Professor of Women's Studies, Chilla Bulbeck (Social Inquiry), is now wearing three professors' caps.

Earlier this year she was made the first adjunct professor for the Faculty of Arts at the University of Western Australia, and last month she was offered the chair of Australian Studies at Japan's most prestigious university, the University of Tokyo.

The Japanese appointment is for 10 months, coordinated by the Australia-Japan Foundation and the University of Tokyo.

Defence book launch

A book by Dr John Bruni, Visiting Research Fellow at the Centre for Asian Studies, will be launched by Defence Minister Robert Hill in Adelaide on Thursday, June 6. The book, *On Weapons Decisions: How Australia chooses to arm itself (1963-96)*, is published by Southern Highlands Publishers.

Engineering book on amazon.com

It's one thing to have written a book, another thing entirely to see it sold by one of the world's biggest internet "bookstores".

Dr Nesimi Ertugrul, Senior Lecturer with the Department of Electrical & Electronic Engineering, has written a technical book called *LabVIEW*.

The book, which includes a CD, has been published by one of the world's leading publishers of engineering texts, Prentice Hall, and is part of a national series in the US. You can find his book online at: www.amazon.com/books/

Small snail could cause big problems

NEW research is aiming to reduce numbers of a small brown snail which could threaten the Australian citrus industry's \$45 million worth of annual exports to the United States.

The small brown snail (or SBS) *Microxeromagna armillata* measures only eight millimetres in diameter and is innocuous enough to be known only by its descriptive name—but it has already cost one orange exporter \$250,000.

University of Adelaide PhD student Ms Angela Lush is looking at the best way to control SBS numbers in Australia's orange growing regions, and says growers are becoming increasingly aware of the economic impact the pest could have.

"The US is very strict about the small brown snail, as it is not found there. If they find a snail in an orange they refuse to let the consignment come in, and it's up to the exporter to send it to another destination where the snail is not considered a quarantine problem," she said.

"The 2000 season was the last export season in which there were snail detections, and it cost the particular exporter about \$250,000 to re-export the affected consignment and

also for fruit fumigation and burial in the US.

"We didn't have any detections in 2001, which was good, but the problem is an ongoing one and we need to be vigilant."

The SBS was introduced from the Mediterranean region, and is most prevalent in the Riverland, Sunraysia and Riverina citrus growing regions. It is found primarily in leaf litter underneath trees, but can also be found on tree trunks and up to 4m high in the tree canopy.

Ms Lush is undertaking her PhD through the University's Department of Applied and Molecular Ecology, and also acts as a research officer for SARDI's Entomology Unit.

She is examining various SBS control methods, including baiting and trunk banding—but says growers can also contribute to managing SBS numbers.

"Trees should be well-skirted and weeds kept down to minimise the risk of snails climbing into trees," she said. "They also like fallen fruit, so growers should have good picking practices and not harvest fallen fruit."

"There's a fair bit at stake for the growers if



Oranges growing at the Waite campus. Photo: David Ellis.

they don't take all the necessary precautions to safeguard against SBS in their US exports, not least of which is loss of income.

"If they want to export fruit to the US, then their orchards have to undergo a snail assessment.

"If they fail this assessment, then they don't

get access to this lucrative market and they receive much less money for their export quality fruit."

For more information about the small brown snail, visit SARDI's SBS homepage at: www.sardi.sa.gov.au/pages/horticulture/citrus/snail_pg.htm

—Ben Osborne



Professor David Coventry takes time out for tea at Nabipur Village in Uttar Pradesh, India.

Toil without the till to save soil: India to benefit from new crop approach

INDIA and Australia might seem worlds apart, but the two countries have many things in common.

Unfortunately for grain-growing farmers in both countries, they too have much in common—they share many of the same problems.

Professor David Coventry, Head of the University of Adelaide's Department of Agronomy and Farming Systems (Roseworthy campus), is leading a research project aimed at identifying how no-till farming systems could be better extended to a wider audience of Indian farmers.

No-till farming involves seeding crops without disturbing the soil. The project, supported by the Australia-India Council, involves several visits to northern India.

Mr Jay Cummins, PIRSA Rural Solutions Field Crops Principal Consultant and a recent postgraduate from Agronomy and Farming Systems, recently joined Professor Coventry in India.

Together they toured some of the rice-wheat production districts of northern India, an area that forms part of a "grain bowl" extending into Bangladesh, Nepal and Pakistan.

The entire region is home to 20% of the world's population, and about 105 million people are involved in grain production.

As in Australia, the primary producers in India are keen to explore new ways to boost productivity and achieve higher levels of sustainability.

The farmers are trying to find new ways of beating herbicide resistance, with no-till systems offering great hope in reducing germination of weeds, while also improving soil condition.

The no-till method also improves irrigation efficiency, an important consideration where water tables are reducing at a rapid rate.

"Farmers face the incredible challenge of developing a more sustainable farming system," Professor Coventry said.

"Fortunately in Australia we've had a great deal of success in terms of developing improved farming systems with grower groups, through an on-farm participatory approach.

"Across northern India, farmer group networks are limited, with the main effort being promoted through project teams associated with universities such as the Haryana Agricultural University, where much of the development of no-till farming systems has been centred."

Rapid uptake of the no-till approach in India has occurred across "whole villages", where the practices have been demonstrated with convincing results, but these efforts have required high levels of resources.

Professor Coventry and Mr Cummins will be using some of the knowledge and methodologies acquired in their work with southern Australian grain growers in their dealings with Indian personnel.

Professor Coventry said the work had many potential benefits for Australia as well as India.

"India has far greater experience in terms of building community capacity and self-reliance, and there are lessons to be learnt here in terms of how we can better support and strengthen our own Australian rural communities," he said.

Next month, a specialist from the Haryana Agricultural University (located 150 km north of New Delhi) will arrive in Adelaide, brought here by the Australia-India Council project.

Professor Coventry and Mr Cummins will later return to India to apply the fruit of their collaborative labours in the field.

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Surveillance studies zoom in on complex security problems

WHILE TV shows such as *Big Brother* take video surveillance to an almost surreal level, a group of University of Adelaide researchers is working on more practical applications of the technology.

The Computer Vision Group, made up of staff and students from the University's Department of Computer Science, is developing low-cost solutions to computerised video surveillance across a network of cameras.

Such a network is ideal for monitoring environments like office complexes, according to leader of the group Professor Mike Brooks.

"One of our strategies is to connect a camera to each PC in the building, and set each camera to automatically monitor the surrounds when the PC's screensaver is invoked, or at the user's direction," he said.

"The camera continually scans the scene, saving only those image frames that exhibit motion. These frames are digitally time-stamped before being uploaded over the network to a central repository, or server—there's not much use in storing images on your PC of a thief stealing your PC!" At the server, the images are then grouped to form discontinuous videos of activity.

This strategy has been developed through the Cooperative Research Centre for Sensor Signal and Information Processing.

Also on Professor Brooks's agenda, with help from colleagues Dr Anton van den Hengel and Mr James Tebneff, is tackling challenges associated with searching and tracking of

video surveillance footage.

Professor Brooks said surveillance systems effortlessly generate massive repositories of image data, but finding particular image frames of interest is challenging and time-consuming.

"For example, suppose we wish to recover all frames taken by camera 37 between 9am and 11am yesterday in which a person entered the scene from the left and removed something on the right," he said.

"One method we have devised to tackle this problem is to retain higher-level descriptions of image-based activities at the same time the images themselves are stored. We can then search through these descriptions, using them to index into the video repositories.

"The challenge for us is to come up with an appropriate description language, which we are trying to design at the moment."

Another area of video surveillance under consideration is the tracking of individuals not just across a single camera's field of view, but across many cameras—with the aim of having a network of cameras track "cooperatively".

"Opportunities for this type of video surveillance are myriad," Professor Brooks said.

"It will not be long before attempts are made to automatically detect 'unusual behaviours' of people captured on camera, such as a thief walking haphazardly through a car park, and someone fidgety on a railway platform contemplating jumping onto the track."

—Ben Osborne



Professor Mike Brooks, with James Tebneff captured on screen. Photo: Ben Osborne.

Public lectures by professors

THREE different areas of research will be highlighted as the Inaugural Lecture series concludes its first semester program this month.

Sponsored by the Vice-Chancellor, Professor Cliff Blake, the series features recently appointed Professors to the University speaking about the latest developments in their areas of expertise.

On Thursday, June 6, **Professor Ian Olver** (Department of Medicine) will deliver a lecture entitled "Cancer Treatment Aiming at New Targets". He will examine the most recent developments in the fight against cancer, still one of the biggest killers of humans around the world.

Professor Justin Beilby (General Practice) delivers the next lecture on Thursday, June 13, entitled "Change, the consumer and the general practitioner". He will look at what the current medical buzzwords of "partnership" and "change" will mean for medical care in the future.

The last Inaugural lecture will be presented by **Professor Kay Schaffer** (Social Inquiry) on Thursday, June 20 and is entitled "All I have is my story; personal narratives and human rights in a global context." She will detail how personal storytelling story has advanced human rights around the world.

Lectures will be held at 1.10pm, in the Council Room (Level 7, Wills Building). Admission is free, with all welcome.

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Community broadcaster celebrates 30 years

WHO could have known that the University of Adelaide's own radio station would create a national phenomenon?

5UV Radio Adelaide (101.5FM) was Australia's first community radio station, starting in June 1972. This month the station is celebrating 30 years of broadcasting.

Although the next station like it did not appear for another two years, today there are more than 300 community radio stations all over Australia, inspiring community involvement on the airwaves (and the e-waves).

Over those years, 5UV Radio Adelaide has continued to evolve and change, pushing the boundaries of community radio and winning numerous national awards for its programs. Many of the volunteers and staff of the station have gone on to make their mark in mainstream broadcasting, with names such as Keith Conlon (Channel 9 and Radio 5AA), Richard Moorcroft (ABC Television) and Sue Howard (head of ABC Radio) all having worked at 5UV over the years.

In 1972, when Keith Conlon was the station's first manager, 5UV Radio Adelaide was hardly recognisable relative to today's model.

Broadcasting initially at 1630 on the AM dial, it was known as VL5UV, was located in the Barr Smith Library and was not allowed to play music.

Thirty years later and things have changed: the station is now known as 5UV Radio Adelaide, broadcasts on FM, occupies a high-profile streetfront studio on North Terrace, and is renowned for its diverse range of programming—from educational and ethnic programs, to a strong arts focus, and yes, a wide range of music, including classical, folk, jazz, blues and country.

5UV began as a direct educational outreach of the University of Adelaide through its Department of Continuing Education, and was made possible by a \$100,000 bequest by Adelaide graduate Kenneth Stirling, who wished the money to be used for an educational initiative.

At that time, lectures were recorded as they were given and rebroadcast on 5UV, and weekly radio programs became an essential part of teaching in specific courses.

In a report on the station's first year of operations, Producer/Manager Keith Conlon said:

"The hardest question to answer in 1972 was 'How is Radio University going?' We were faced with doing so much with so few that crises became commonplace and quick decisions the norm. We have, however, been borne up by the obvious excitement of trying something new in Australia, with few guidelines and precedents.

"As pioneers, we have been faced with both external and internal pressures to complicate the task, and we certainly face more years of what can only be considered as experiment, as trial and error.

"Without similar projects for comparison, the often-asked question is impossible to answer

briefly. But I believe that we will look back with a little wonder at the steps Radio University took in its first six months on air."

The station is responsible for other special interest radio stations in Adelaide getting a start, such as the ethnic broadcaster 5EBI, and radio for the print handicapped 5RPH. Most of Adelaide's now-established community radio stations have evolved out of the 5UV studios.

The station was also the first in Australia to begin broadcasting live on the internet, and counts among its dedicated listeners and subscribers people from across the world.

The enthusiasm and hard work of its volunteers is the hallmark of the station's success, and 5UV Radio Adelaide has developed an enviable reputation for its commitment to training and community participation.

Current station manager Deborah Welch believes this, along with its commitment to program diversity, means 5UV's connection into so many parts of Adelaide's community remains strong.

"Diversity is our strength—it means there's a huge range of people and organisations that feel good about us," she said.

"With around 500 volunteers, we're a very large station, but a culture of cooperation and goodwill has always been the station's greatest asset. It's incredible to think of all the hard work that has gone into so many countless hours of broadcasting by so many people over the years."

Ms Welch said 5UV's relationship with the University, just like its programming, had changed over the years, "but we have always taken our educational role very seriously".

"We aim to bring people to the University and the University to people who might not otherwise have had that connection," she said. "We see 5UV Radio Adelaide as one of the most creative expressions of the University of Adelaide's commitment to community service, social justice and cultural diversity."

Ms Welch is clear about the next 30 years for the station: "We will continue to play the role of innovator in broadcasting," she said.

5UV Radio Adelaide is planning a series of special programs in July to commemorate its birthday. For more information call (08) 8303 5000 or visit the station's website: www.radio.adelaide.edu.au

—David Ellis
—Ben Osborne

To mark its 30th birthday, 5UV Radio Adelaide will be holding a celebratory dinner on Saturday, June 29 at the Governor Hindmarsh Hotel.

Anyone with an association with the station, such as being a past or present staff member or volunteer, is welcome.

Tickets are \$25, and to book, or for more information, please contact the station on (08) 8303 5000.



Anne Wildy (front) and Gaye McLeod were producers and presenters of educational programs in 5UV's early days.



The station's first manager, Keith Conlon (left), interviews then Vice-Chancellor of the University of Adelaide, Professor Donald Stranks.



The new generation of volunteers is just as hard working and enthusiastic as those 30 years ago.



The Fringe team at this year's event with comedian Rachel Berger (left of microphone).

Magnetic attraction to astronomy leads to international prize

A PHYSICS student who discovered evidence that huge galaxy clusters had collided in space is one of four young Australians to receive an international Young Scientist Award.

Ms Melanie Johnston-Hollitt, PhD student with Adelaide's Department of Physics and Mathematical Physics and the CSIRO's Australia Telescope National Facility, made her unique discovery last year by studying the results of radio telescope data.

She found that entire clusters of galaxies located billions of light years from Earth had collided, creating a massive shock wave in space. The wreckage left behind by the collision could be seen in the form of radio waves.

Now another of Ms Johnston-Hollitt's research projects—creating a map of what the night sky looks like in terms of magnetic fields—has earned her further international recognition.

She was chosen for the Young Scientist Award from among an international field. The award is made by the world's peak radio science body, the Union Radio-Scientifique Internationale (International Union of Radio Science, or URSI), and gives Ms Johnston-Hollitt the opportunity to attend URSI's forthcoming General Assembly in Maastricht, the Netherlands, in August.

Ms Johnston-Hollitt was one of only nine scientists throughout the world to be awarded the prize in her field. Four of those chosen

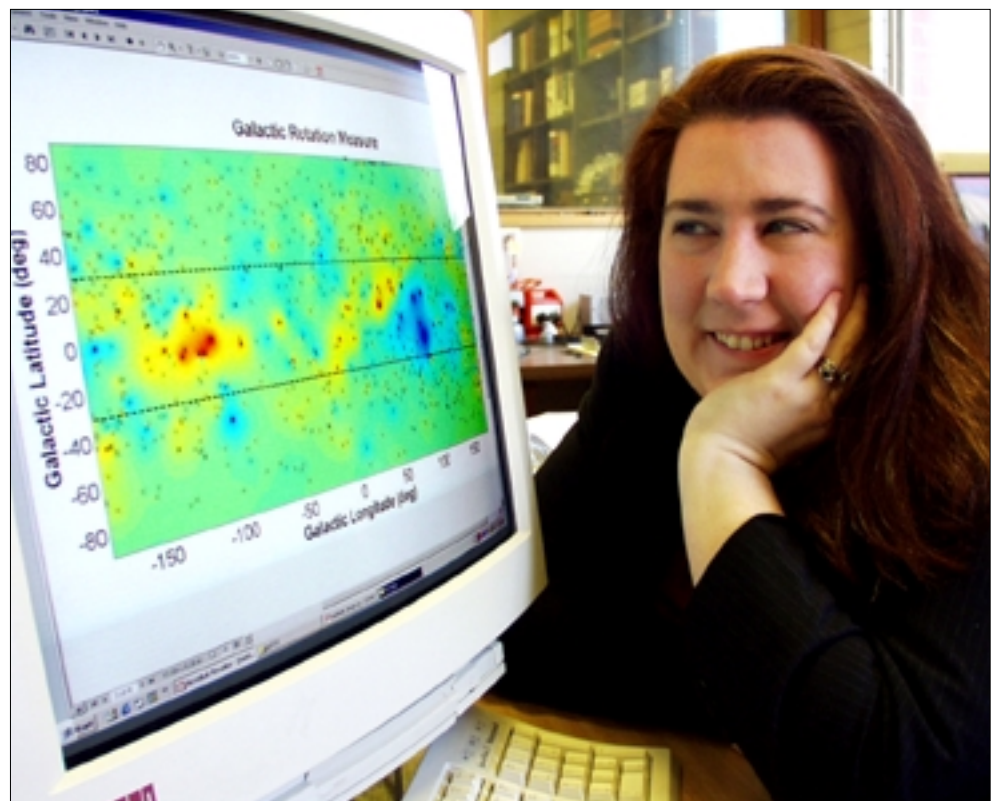
were from Australia, and she was one of only two women. (Two of the other successful Australian candidates are also linked to the Australia Telescope National Facility, ATNF, in New South Wales.)

The awards are made on the basis of the candidates' past research output, academic qualifications, and the paper they would present at the assembly if successful. The candidates' applications are first ranked locally, based on knowledge of their work, and those rankings, together with the candidates' applications, are judged by an international panel.

Although well known for her work on the colliding galaxy clusters, Ms Johnston-Hollitt was awarded the Young Scientist prize for "An Estimated All Sky Rotation Measure Map"—a map of the magnetic fields across the Milky Way.

She said the role played by magnetic fields in the universe, and how they were generated, was still very much a mystery to physicists. Information gathered from outside our galaxy was often dependent on magnetic fields, because the Milky Way's own magnetic fields interfere with emissions coming towards us from space.

"By getting a clearer picture about the magnetic fields in our galaxy we can then hope to gain a clearer picture of what's happening outside our galaxy," she said. "Magnetic fields are quite turbulent. Understanding how they work and interact in space is of great interest to astronomers."



Prize-winning Physics student Melanie Johnston-Hollitt with her map of the magnetic fields in the night sky. Photo: David Ellis.

The map that helped Ms Johnston-Hollitt win her prize was put together with data from 900 points in the night sky as seen through radio telescopes from across the world.

"I'd much rather have 9000 data points to use, but so far there's only 900 available," Ms Johnston-Hollitt said. "There's much more work to be done in this area."

She will get her chance to be more closely involved in that work when she finishes her PhD in Adelaide this year and takes up a postdoctoral position at the University of Leiden in the Netherlands. She will be involved in preparations for the new international Low Frequency Array

(LOFAR) telescope, which will make mapping the magnetic fields in the night sky that much easier.

In the meantime, Ms Johnston-Hollitt will be meeting others in her field at the USRI General Assembly in August, and acting as an ambassador for Australian science.

"Australia has an extremely good radio astronomy research output—this is an excellent place to do astronomy," she said. "The fact that so many of the young scientists chosen in my field come from Australia, and are associated with the ATNF, is very exciting."

—David Ellis

Blast-off for Planet e

THE University of Adelaide has co-developed a new website to help cater for the growing job market in South Australia's booming food and fibre industries.

To help students, parents and school counsellors find out about those opportunities, the University has teamed up with Primary Industries and Resources SA to create Planet e (or Planet Education).

Located at www.adelaide.edu.au/agcareers, Planet e was launched recently by the Minister for Agriculture, Food and Fisheries, Mr Paul Holloway.

"Planet e is a jump off point for students, counsellors and parents seeking current information for making decisions about tertiary education," said the project's co-ordinator and Faculty of Sciences Communications Manager, Ms Lee Welch. "We hope the site will continue to develop and link to other key job guide services to help students make career choices based on up-to-date information."

Professor Simon Maddocks, Director of the University's Roseworthy Campus and Waite Agricultural Research Institute, believes the Planet e website will help overcome out-of-date perceptions about agriculture.

In the past, some students have been discouraged by a perceived lack of jobs in the sector or the notion that smart students would be wasting their talents if they chose a career in agriculture. Professor Maddocks said both beliefs are out of date.

"Agriculture and natural resource sciences are the key to our future productivity, profitability and a sustainable community," Professor Maddocks said.

"A career in this sector is a career for those with aptitude for leadership in management and innovation. We are researching and applying the latest technology to benefit food production and environmental management. Australia is a world leader so Australian graduates are in demand both here and overseas."

Adelaide students receive "Australia's Rhodes"

TWO out of the five Australian students chosen for Charles Hawker Scholarships in 2002 are students at the University of Adelaide.

Min Guo and Kate Seward are also both residents at St Mark's College in Adelaide.

Min completed his International Baccalaureate Diploma at Glenunga International High School in Adelaide last year with a Tertiary Entrance Rank of 99.95. He is the first Australian of Vietnamese heritage to be awarded a Hawker Scholarship. His parents escaped from war-torn Vietnam by boat in the 1970s.

Kate graduated from Geelong College in 2000. She was awarded a number of academic prizes and the inaugural Morrison Prize for 'Outstanding Ability and Overall Service to the College'. Kate's tertiary entrance score at the completion of her secondary studies was 98.45.

Min is studying Engineering and Law at the University of Adelaide while Kate is enrolled in a Bachelor of International Studies degree.

The two were awarded a Charles Hawker Scholarship from a strong field of 170 applicants from around Australia.

Described as "Australia's Rhodes", the C.A.S. Hawker Scholarship perpetuates the memory of scholar, soldier, pastoralist and statesman Charles Allan Seymour Hawker and commemorates the achievements of one of Australia's most respected pastoral pioneers.

Established by Hawker's sister Lilius Needham, the prestigious scholarship, valued at up to \$60,000 over four years, is the most generous privately funded scholarship available to Year 12 and undergraduate students in Australia.

Since 1991, the Trustees have awarded more



Hawker scholarship recipients Min Guo and Kate Seward with the Master of St Mark's College, John Bannon. Photo courtesy of St Mark's.

than \$1.5 million to 35 young Australians, including a significant number from regional areas.

Selection is based on personal qualities and experience as well as academic ability.

Hawker Scholar and Federal Member for Ryan (Qld) Mr Michael Johnson officially presented the students with their Charles Hawker Scholarships at a function at St Mark's College.

Mr Johnson was awarded a Hawker Scholarship in 1996 and studied for his Master of Philosophy Degree at Cambridge University in the UK from 1996 to 1998. He was elected to Federal Parliament in 2001.

He encouraged Year 12 and undergraduate students to visit the Hawker Scholarship website to find out more about Charles

Hawker and the scholarship named in his memory.

"The Hawker Scholarship is one of the most important in Australia. I commend the Trustees for the contribution the scholarship has already made and will continue to make to education of a number of outstanding young Australians," Mr Johnson said.

"Each of these recipients has already displayed a strong commitment to the ideals upon which the C.A.S. Hawker Scholarship is founded. They are gifted scholars, have inquiring minds and through their efforts have already contributed to the wider community."

For more information about the scholarships and the next round of applications, visit the website: www.hawkerscholarship.org

Andy floats in for new kind of space launch

ASTRONAUT and University of Adelaide graduate Dr Andy Thomas knows only too well the magic, excitement and hard work of exploring space.

With three space shuttle missions to his name, and time aboard the Russian Mir and International space stations, Dr Thomas was a fitting choice to help launch the new *Space!* exhibition at the Investigator Science and Technology Centre recently.

The exhibition (open now until October 13) is an interactive journey through human space exploration. Visitors can use a Manned Manoeuvring Unit, land the space shuttle in a simulator, set off rockets, create a virtual biosphere and drive a remote Mars Rover.

Visitors can also experience the thrill of the Star Dome, sitting under a replication of the night sky, listening to facts and stories about the stars.

Dr Thomas opened the exhibition late last month via recorded satellite message from NASA's Johnson Space Center in Houston.

Hosted by Channel 7's Nuala Haefner, the launch was attended by Year 3 students from Walkerville Primary School and Year 7 students from Bethesda Christian College, who prepared questions for Dr Thomas to answer.

He recounted some of his personal experiences and his vision for the future of space exploration. He also urged school children to consider a career in science.

"Now more than ever, it is necessary to encourage the young people of South Australia to take up careers in science and mathematics. The Investigator has a vital role to play in the quest for scientific excellence and innovation. Perhaps this *Space!* exhibition will be the catalyst for many students in their decisions for their future careers," Dr Thomas said.

Space! is complemented by another science exhibition, *Zoom In*, a fascinating look at the world through magnifying glasses and microscopes.

The University of Adelaide is a sponsor of the Investigator Science and Technology Centre.



Dr Andy Thomas floats aboard the International Space Station. Photo: NASA.

MONDAY, JUNE 3

1pm Clinical & Experimental Pharmacology Seminar: "Combating 'Carbonyl Stress' With Cytoprotective Drugs" by Dr P. Burcham. Seminar Room, Level 6, Medical School North.

1.10pm Geographical and Environmental Studies Seminar: "Power, politics, race and resistance: an examination of the relationship between indigenous Filipino communities and Australian mining companies" by Ms Jessica Gilding (PhD candidate), and "Public versus private ecotourism as a means of ecological restoration in the Flinders Ranges" by Ms Emily Moskwa (PhD candidate). Room 918, Napier Building.

1.10pm Law School Lunchtime Seminar: "Lawyers, Courts and Social Change: Some Reflections from Family Law Practice in England" by Professor Rebecca Bailey-Harris (University of Bristol). Room 216, Ligertwood Building.

8pm Classical Association of South Australia meeting: "Being Able to Stand the Sight of Blood: Gladiators at Rome" by Ron Newbold. Council Room, 7th Floor, Hughes Building.

TUESDAY, JUNE 4

1.10pm Student Workshop: "Meditation and Deep Relaxation". Counselling Centre, ground floor, Horace Lamb Building.

WEDNESDAY, JUNE 5

10.10am Electrical and Electronic Engineering Seminar: "Advanced Geolocation Techniques for Electronic Support" by Dr Stephen Howard (DSTO). Room S112, Engineering South Building.

1pm Environmental Biology Seminar: Title to be announced by Professor Mike Kingsford (James Cook University). Benham Lecture Theatre.

1.10pm Geology and Geophysics Seminar: "CRC for Landscape Environments and Mineral Exploration activities" by Dr Pat James (Geology and Geophysics). Mawson Lecture Theatre.

1.10pm HVO Research Seminar: "Copolymerisation and its impact on the stabilisation of red wine pigments" by Ms Stephanie Lambert (HVO). Plant Research Centre Auditorium, Waite Campus.

THURSDAY, JUNE 6

12.05pm Psychology Seminar: "Behavioural genetics" by Mr Matthew Welsh. Room 526, Hughes Building.

1pm Chemical Pathology Seminar: "Data to Information – the Laboratory Challenge" by David Datson (Laboratory Software Consultant). Seminar Room 1, 4th Floor, Reiger Building.

1.10pm Inaugural Lecture: "Cancer treatment aiming at new targets" by Professor Ian Olver (Medicine). Council Room, Level 7, Wills Building.

4pm Applied and Molecular Ecology Seminar: "Parasitic angiosperms: friend or foe?" by Dr Jennifer Watling (Environmental Biology). McLeod Theatre, Waite Campus.

FRIDAY, JUNE 7

1pm Environmental Biology Seminar: "Data Management issues in Biodiversity Informatics" by

COMING EVENTS

June 2002

Ben Moretti (Environmental Biology). Lecture room G03, Napier Building.

1.10pm Elder School of Music Lunch Hour Concert: Florian Ammer (violin), Janis Laurs (cello) and Stefan Ammer (piano) perform works by Mozart and Dvorak. Elder Hall, admission \$4.

TUESDAY, JUNE 11

1.10pm Student Workshop: "Meditation and Deep Relaxation". Counselling Centre, ground floor, Horace Lamb Building.

WEDNESDAY, JUNE 12

10.10am Electrical and Electronic Engineering Seminar: "Feedback Gain Control in Image Process" by Dr Peter Lozo (DSTO). Room S112, Engineering South Building.

12.30pm Clinical Nursing Seminar: "The use of surgical masks in the operating theatre" by Ms Deborah White (Clinical Nurse, RAH). Room 36, Level 3, Eleanor Harauld Building.

1pm Environmental Biology Seminar: "Australian *Ceriodaphnia* revealed! Godwanan "Waterfleas" aren't European" by Emeritus Professor Dorothy Berner (Temple University, Philadelphia, USA). Benham Lecture Theatre.

5.30pm Centre for Biomedical Engineering Seminar: Title to be announced by Associate Professor Tim van Doorn (RAH). Hone Lecture Theatre, Ground Floor, Medical Building South.

THURSDAY, JUNE 13

1pm Chemical Pathology Seminar: "Witchcraft, closed systems of belief and 'pseduosciences'" by Dr Kingsley Garbett (Department of Anthropology). Seminar Room 1, 4th Floor, Reiger Building.

1.10pm Inaugural Lecture: "Change, the consumer and the general practitioner" by Professor Justin Beilby (General Practice). Council Room, Level 7, Wills Building.

4pm Applied and Molecular Ecology Seminar: "Some new insights into meiotic recombination" by Professor David Catchside (Flinders University). McLeod Theatre, Waite Campus.

7.45pm Field Geology Club of South Australia Lecture: "Gypsum is not just school chalk" by Mr Jeff Olliver. Mawson Lecture Theatre.

FRIDAY, JUNE 14

1pm Centre for the Molecular Genetics of Development Seminar: "The mammalian homologue of the *Drosophila melanogaster* gelsolin-related flightless I gene is essential for early embryonic development" by Dr Hugh Campbell (ANU). Room 102, Molecular Life Sciences Building.

1pm Environmental Biology Seminar: "Economic Rationalism is Killing My Algae" by David Turner

(Environmental Biology). Lecture room G03, Napier Building.

1.10pm Elder School of Music Lunch Hour Concert: Niall Brown (cello) and Isabelle Trüb (piano) perform works by Debussy and Brahms. Elder Hall, admission \$4.

2.10pm Asian Studies Seminar: "From Mao to Madonna: 'Bad Girl' Literature and the New China" by Professor Kay Schaffer (Department of Social Inquiry). Room 518, Ligertwood Building.

4pm Obstetrics and Gynaecology Seminar: "Dietary composition and weight loss" by Dr Manny Noakes (CSIRO Health Sciences and Nutrition). Level 6, Medical School North.

MONDAY, JUNE 17

1.10pm Geographical and Environmental Studies Seminar: "The influences of intrinsic and extrinsic motives on public participation in the recycling program of Bangkok, Thailand" by Ms Sasikamon (Tan) Thamrongvoraporn (PhD candidate) and "An examination of the manner in which environmental values are reflected in contemporary Australian cinema" by Ms Dian Fowles (PhD candidate). Room 918, Napier Building.

TUESDAY, JUNE 18

1.10pm Student Workshop: "Meditation and Deep Relaxation". Counselling Centre, ground floor, Horace Lamb Building.

WEDNESDAY, JUNE 19

1pm Environmental Biology Seminar: "Wombats and their burrows" by Dr Glenn Shimmin (Environmental Biology). Benham Lecture Theatre.

1.10pm HVO/Plant Sciences/CSIRO Plant Industry Seminar: "Development of targeted bacterial artificial chromosomes (BACs) for hexaploid wheat" by Dr Kate Willars (Plant Sciences). Plant Research Centre Auditorium, Waite Campus.

THURSDAY, JUNE 20

1pm Chemical Pathology Seminar: "Immunotherapy in the Treatment of Leukaemia" by Dr Colin Storey (Women's and Children's Hospital). Seminar Room 1, 4th Floor, Reiger Building.

1.10pm Inaugural Lecture: "All I have is my story; personal narratives and human rights in a global context" by Professor Kay Schaffer (Social Inquiry). Council Room, Level 7, Wills Building.

4pm Applied and Molecular Ecology Seminar: "What's happening with Rabbit Calicivirus Disease? It could be anyone's guess!" by Dr Ron Sinclair (Animal and Plant Control Commission). McLeod Theatre, Waite Campus.

FRIDAY, JUNE 21

1.10pm Elder School of Music Lunch Hour Concert: Z.o.o. Guitar Duo (from Netherlands). Peter Constant, Marion Schaap (guitars). Works by Granados, Giuliani, Andia, Nigel Westlake and Ross Edwards. Elder Hall, admission \$4.

4pm Obstetrics and Gynaecology Seminar: "Cytokine receptor activation: a protein chemist's view" by Dr Chris Bagley (Hanson Institute). Level 6, Medical School North.

TUESDAY, JUNE 25

7.30pm Musicological Society of Australia SA Chapter Seminar: Title to be announced by Aliese Millington and Christopher Wainwright. Room 1107, Level 11, Schulz Building.

WEDNESDAY, JUNE 26

1.10pm HVO Research Seminar: "Morphological and molecular analysis of Australian bush tomatoes *Solanum centrale*" by Ms Cassie Collins (HVO). Plant Research Centre Auditorium, Waite Campus.

THURSDAY, JUNE 27

1pm Chemical Pathology Seminar: Departmental updates by Rob Cocciolone (Antenatal Screening), Elaine Whitlam (Toxicology and Special Chemistry) and David Johnson (Mass Spectrometry). Seminar Room 1, 4th Floor, Reiger Building.

4pm Applied and Molecular Ecology Seminar: "Managing root diseases caused by broad host-range fungi – insights from population genetics" by Dr Paul Harvey (CSIRO Land and Water). McLeod Theatre, Waite Campus.

FRIDAY, JUNE 28

1.10pm Elder School of Music Lunch Hour Concert: Christian Wojtowicz (cello), Janis Laurs (cello) and David Lockett (piano) perform works by Larry Sitsky and Shostakovich. Elder Hall, admission \$4.

4pm Obstetrics and Gynaecology Seminar: "Sequencing, Transcript Identification and Quantitative gene expression profiling in the breast cancer loss of heterozygosity region16q24.3, reveals three potential tumor suppressor genes" by Dr Gabriel Kremmidiotis (Bionomics Ltd, Thebarton). Level 6, Medical School North.

SUNDAY, JUNE 30

Field Geology Club of South Australia Excursion: Meningie Gypsum Deposits, hosted by Mr Jeff Olliver.

THURSDAY, JULY 4

4pm Applied and Molecular Ecology Seminar: "Increasing the effectiveness of biological control: monitoring insect movement" by Dr Nancy Schellhorn (PIRSA/SARDI entomology). McLeod Theatre, Waite Campus.

Digital age makes Fisher papers available worldwide

THE BARR Smith Library has embarked on a project to digitise the published scientific papers of the eminent statistician and geneticist R.A. (Sir Ronald) Fisher.

The project was initiated by Emeritus Professor J.H. (Henry) Bennett, a former student, research assistant, colleague and friend who had worked with Fisher at Cambridge and was closely associated with him when Fisher came to Adelaide in 1959.

Fisher's research papers and extensive original correspondence with scientific colleagues have been deposited with the Library's Special Collections and can be readily located by an internet search. However, interest in Fisher's work is extensive outside of Adelaide; the digitisation of his published articles is the first part of a broader project to make Fisher's work more readily available to researchers worldwide.

Elise Bennetto, who has undertaken the digitisation on behalf of the Library, said the project presents unique challenges.

"It was a steep learning curve, as the variable print quality of the original publications presented various difficulties. But with the experience gained and continuing advances in software development it is hoped we can further enhance the utility and accessibility of the site," she said.

In a nice recycling of the rewards of academic initiative, funding for the project has been authorised by Professor Bennett from the R.A. Fisher Collected Papers Fund, created from sales of the Collected Papers (published in five volumes by the University of Adelaide, 1971-74, and edited by Professor Bennett).

A grant from the Deputy Vice-Chancellor (Education)'s Learning and Teaching Development budget is also supporting the project.

The Library is open to proposals for other cooperative ventures, and would warmly welcome any selfless benefactors wishing to support similar projects to make manuscript collections and out-of-print works more widely available for reference and research.

www.library.adelaide.edu.au/digitised/fisher/



Elise Bennetto from the Barr Smith Library and Professor Henry Bennett at work digitising the papers of Sir Ronald Fisher. Photo: Ben Osborne.

Online role-playing course gives students a taste for the Mekong

THE MEKONG Basin region of south-east Asia is the unlikely source of a swag of education awards for an innovative Australian web-based learning program partly developed by the University of Adelaide.

Adelaide is also one of four institutions with students taking part in the Mekong eSim—a project that aims to give a more human context to complex engineering issues through role-playing.

The program has proved to be so successful in its two-year existence that it has won numerous awards, including the Australasian Society for Computers in Learning in Tertiary Education's Best Web Based Project of 2001, and the Pearson Education UniServe Science Teaching Award. It has also been shortlisted for the Commonwealth of Learning Excellence in Distance Education Award.

Seventy second-year Environmental Engineering students from the University took part in this year's eSim, which also included a total of another 60 students from the University of Technology, Sydney, and the University of Sydney. Students from the Sepang Institute of Technology in Malaysia have also participated in previous eSims.

One of the founders of the project, Dr Holger Maier from Adelaide's Department of Civil and Environmental Engineering, said the eSim was designed to give students a chance to examine the impact engineering has on society.

"Every engineering decision has an impact on society as a whole, and the eSim was set up to give students the opportunity to look at the bigger picture, which is something that can be overlooked easily when dealing with technical issues," he said.

"I can talk about this in a lecture theatre, but it doesn't quite have the same effect as it does when the students are actively involved themselves."

The Mekong Basin was chosen as the site for the project due to the river flowing through six south-east Asian countries—China, Myanmar (Burma), Laos, Vietnam, Thailand and Cambodia—ensuring a diverse range of cultures and systems to consider.

It is also currently a hotbed for different engineering projects in often-untouched environments, affecting large numbers of people.

This year's eSim examined a number of development issues in the Mekong basin, including the impact building the Nam Theun II dam in Laos would have on the many stakeholders involved.

In teams of three or four, students would take on roles such as government agencies, international agencies, environment groups, business interests, local media, and local residents, as well as the engineers wanting to construct the dam.

The project culminated with groups putting forward their arguments about the dam to an online "public enquiry" run by another group of students, who then deliberated on whether the dam should go ahead.

Dr Maier said the eSim had been successful in not only developing students' appreciation of the complexity and importance of environmental engineering decision-making, but also the skills critical to functioning as an effective environmental engineer.

"Ultimately, how much students get out of the eSim depends on how much they're willing to put in, and how much they are willing to engage with the ideas and concepts that are presented," he said.

"It is a six-week project, so it is quite short and very intensive, but in that time students can develop skills that can be hard to teach in lectures: skills like communication, researching, and critical thinking.

"These can be hard skills to learn but at the same time they are necessary for careers in this field, so we are pleased that the eSim is making a real impact."

For more information about the Mekong eSim, visit its homepage at: <http://groundwater.ncgm.uts.edu.au/mekong2/>; and the University of Adelaide LEAP website for the project: www.adelaide.edu.au/ltdu/leap/discipline/eng/maier.html

—Ben Osborne

Symposium to put research into practice

PUTTING research into practice for health care workers is the focus of a two-day symposium to be hosted by the Joanna Briggs Institute (JBI) on Wednesday, June 12 and Thursday, June 13.

The Best Practice Implementation Strategies Seminar, held at Fernilee Lodge in Burnside, will feature speakers from across Australia as well as Hong Kong talking on the latest developments in the field of using evidence-based research to address the needs of health care workers.

The JBI is an evidenced-based research group which conducts systematic reviews of research evidence to determine the most appropriate way of conducting specific

health care procedures. It is a joint venture of the University of Adelaide and Royal Adelaide Hospital.

Issues expected to be addressed at the seminar include effective implementation of the best available evidence into practice, and assisting health professionals to assess practice and health care outcomes.

Speakers will include JBI director and Adjunct Professor of the University of Adelaide's Department of Clinical Nursing, Professor Alan Pearson; and Professor of Nursing at the Chinese University of Hong Kong, Professor Anne Chang.

For more information, visit the JBI website at: www.joannabriggs.edu.au

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COMMENT

THE DALAI LAMA: A MAN OF PEACE?

DURING his recent visit to Australia, the Dalai Lama was careful to present himself as a spiritual rather than a political leader. "The nature of my visit here is not political," he said [ABC online]. Nevertheless, tour organisers ensured that wherever he spoke banners were strategically placed bearing slogans like "Support non-violence. Free Tibet".

To the casual observer, slogans of this kind seem entirely appropriate, for the Dalai Lama received the Nobel Peace prize in 1989 due to his advocacy of the non-violent resolution of the conflict between his homeland and China. He is also the leader of a faith, ie Buddhism, universally recognised as a religion of peace.

In light of this, how could anyone doubt the Dalai Lama's commitment to peace?

The story begins in 1956 when Khamba tribesmen in eastern Tibet rose in armed revolt against the Chinese military. In response, the Dalai Lama's elder brother Gyalo Thondup, living in exile in India, approached the CIA for assistance. The CIA initiated an operation, code-named "ST Circus", that saw the US secretly fund, train and arm thousands of Tibetans seeking to drive the Chinese from their homeland.

A 1998 BBC documentary titled *The Shadow Circus: The CIA in Tibet* asked the Dalai Lama to comment on the CIA operation. He replied: "There is a basic Buddhist belief that if the motivation is good and the goal is good, then any method, even apparently of a violent kind, is permissible. But then, in our situation, in our case, is it practical or not, that, I think, is a big question."

Significantly, this claim parallels the justification given by Japan's Buddhist leaders for their unconditional support of Japanese militarism during World War II. In 1937, two Buddhist scholars, Hayashiya Tomojirō and Shimakage Chikai, wrote: "The reason that Buddhism hasn't determined war to be either good or bad is that it doesn't look at the question of war itself but rather to the question of the war's goal. Thus, if the war has a good goal it is good, while if it has a bad goal it is bad. Buddhism doesn't merely approve of wars that are in accord with its values; it vigorously supports such wars to the point of being a war enthusiast."

Whether the Dalai Lama was ever a "war enthusiast" is unknown, but there were definitely those among his followers who were. One Tibetan fighter, Ratu Ngawang, explained his decision to take up arms: "My father would tell us the Communist Chinese were the enemies of our religion so we never felt it was a sin to kill them. In fact, we'd try to kill as many as we could. When we killed



The Dalai Lama.

an animal, a prayer would come to our lips; but when we killed a Chinese, no prayer came to our lips." [BBC]

Not only did their Buddhist faith motivate Tibetans to kill Chinese, but it prepared them to die as well. Bapa Legshay, one of 259 Tibetan guerrilla leaders trained by the CIA at Camp Hale in Colorado's Rocky Mountains, explained to the BBC how he felt at the time he and his fellow trainees parachuted back into Tibet: "Thanks to Buddha, even if we were to die, our spirits were high. The CIA had given us a cyanide capsule to take in case of capture."

The CIA told Tibetan recruits that they wanted to help restore Tibet's independence. Yet, as Sam Halpern, former CIA Executive Assistant, admitted years later, the CIA never saw this operation as anything more than "keeping the Chinese occupied, annoyed, and disturbed, that is to say, it was nothing more than a nuisance operation". As far as the CIA was concerned, it was a near perfect operation, for it cost the US relatively little and the Tibetans (and Chinese) did all the dying.

Initially, the CIA-supported Tibetan resistance had more than 5000 fighters at bases in southern Tibet. It was these fighters who made it possible for the Dalai Lama to escape from Lhasa, disguised as a soldier, in March 1959. And, according to the BBC documentary, it was the CIA that arranged for the Dalai Lama and his followers to be granted safe haven in India.

In return, the CIA acquired some of the most important intelligence documents ever to come out of China. This was the result of Tibetan attacks on Chinese truck convoys plying the Xinjiang-Tibet Highway. These attacks took place at the time of the Great Leap Forward campaign in China, and the official documents found on the trucks, once their drivers had been killed, detailed the internal turmoil China was experiencing as a result.

Eventually the Chinese army succeeded in driving the Tibetan fighters out of Tibet, and the remnants were forced to withdraw into northern Nepal. Despite this defeat, the US continued its support, creating a new clandestine military camp code-named "Mustang". In return, the CIA expected the remaining 2000 Tibetan guerrillas to conduct cross-border raids to gather intelligence.

However, the Tibetans were more interested in killing Chinese than in collecting intelligence. According to one study published in the book *Resort to Arms: International and Civil Wars, 1816-1980* by Melvin Small & David Singer, the Tibetans succeeded in killing 40,000 Chinese soldiers between 1956 and 1959. On the Tibetan side, say Barbara Harff and Ted Gurr in their book, *Ethnic Conflict in World Politics*, as many as 100,000 guerrillas and their civilian supporters are thought to have perished.

In early 1969 the CIA abruptly terminated its funding for the Mustang operation, for US foreign policy toward China was changing.

America now wanted diplomatic relations with the Peoples Republic, and China made it clear that this could not happen without the complete cessation of US support for Tibetan guerrilla activities. As far as the US was concerned, the Tibetan's "nuisance value" had come to an end. And so had America's brief fling in sponsoring a Buddhist version of holy war.

Thanks to some parting monies from the CIA, the Tibetans managed to continue their cross-border raids until 1974. It was then that the Nepalese government, under pressure from China, threatened to send its troops against Mustang base.

The Dalai Lama, fearing a fruitless bloodbath, sent the following tape-recorded message to his followers, urging them to lay down their arms: "For many years you have risked your lives and struggled for our cause. I know the present situation will cause you much disappointment. However, we must try to achieve our objectives through peaceful means." [BBC]

When Tibetans first went to the US for training, they dreamt that they would be given atomic bombs to fight with. More than 100,000 Tibetan and Chinese lives later, their dreams were dashed as they were sacrificed to their patron's changing geo-political priorities. The Dalai Lama, realising that without US support armed resistance was no longer practical, reinvented himself as a champion of world peace based on Buddhism's alleged commitment to non-violence.

Yet, the Dalai Lama's statement in support of Tibetan guerrillas was made as recently as the 1998 documentary. This raises the question of whether the Dalai Lama is truly committed to a peaceful resolution of the Tibet-China conflict or has merely adopted this strategy until the next patron comes along, willing to back armed conflict.

In addition, the question must be asked as to whether Buddhism is genuinely a religion of peace if both the Dalai Lama and Japan's wartime Buddhist leaders agree that as long as one has a "good goal" in mind then the use of violence is acceptable.

Isn't this what proponents of holy war have always claimed? Isn't this the stuff out of which "religious fanaticism" is born the world over?

The author, Dr Brian Victoria, is a senior lecturer with the University of Adelaide's Centre for Asian Studies and is also a Soto Zen priest. He is a published author on the issue of holy war.

Romantic tragedy and planetary splendour await in June

THE NEW Elder School of Music in conjunction with Adelaide Institute of TAFE - Arts will present the opera, *Orfeo*, by Monteverdi, in Union Theatre this month (June 11, 12, 14 & 15 at 8.00pm).

The season has been extended by one performance to accommodate the fact that at audition, the talent in the Vocal School was such that two students were chosen for each of the two principal roles of Orpheus and Eurydice.

As the Stage Director, Tessa Bremner, stated, the parts were "too close to call", so it was decided to give each of the students the opportunity to perform in such a major production.

Directed by Tessa Bremner and conducted by Carl Crossin, this opera tells the romantic but tragic tale of Orpheus and Eurydice whose love transcends even death itself.

The production is supported by an early baroque orchestra featuring strings,



recorders, harpsichords, lutes and harps

Orfeo is followed later this month by the first—and highly diverse—concert of the Elder School of Music's 2002 Evening Concert Series.

The concert, on Saturday, June 29 at 8.00pm in Elder Hall, features the acclaimed Elder Conservatorium Wind Ensemble conducted

by Robert Hower.

The first half will feature *Suite from 'Old Home Days'* by Charles Ives and *Colonial Song* by Percy Grainger, both composers well known for their wind ensemble music.

Honours percussion student Jamie Adam will star in a premiere arrangement of *Prism Rhapsody* by Keiko Abe, the Japanese composer famous for her percussion works. Jamie has been a popular recipient of many awards since he first commenced his studies at the School, including winning the 2001 David Galliver Memorial Awards. He is the inaugural recipient of the John 'Slick' Osborne Percussion Scholarship in 2002.

The entire second half of the program will see the complete *Planets Suite* by Gustav Holst given an airing in Elder Hall for the first time in many years.

This is a not-to-be-missed event, which will shake the cobwebs from the rafters. Book early to ensure a ticket to this popular performance.

Tickets are available at BASS outlets on 131 246 (\$22 adult, \$14 concession, \$8 student—single concert prices only).

Anyone who subscribes to four or six concerts in the entire Evening Series will receive free parking, plus the opportunity to win a weekend in Sydney with two nights at the Park Hyatt Sydney and two A-Reserve tickets to *Carmen* at the Opera House—courtesy of American Express Corporate Services.

All subscribers also have the opportunity to purchase tickets to *Orfeo* at the discounted price. See the Evening Concert Series brochure for details. For more information contact the series coordinator on (08) 8303 5925, or 0402 120 478, or send an email to: helen.simpson@adelaide.edu.au

University of Adelaide staff will receive concession prices on presentation of their staff card at all BASS outlets or at the door.

Golden Key Society inducts new members

MORE than 360 students have joined the University of Adelaide Chapter of the Golden Key International Honour Society this year.

The chapter recently held its fifth annual new member induction ceremony in Bonython Hall, with 173 of the new members attending to receive their membership certificates in person. Along with family and friends, around 500 people attended the ceremony.

Golden Key is a non-profit academic honours organisation founded in 1977, membership of which is limited to the top 15% of undergraduate students. Since its founding, the society has established chapters at more than 320 universities throughout Australia, Canada, Malaysia, New Zealand, South Africa, the United Kingdom and the United States. The University of Adelaide Chapter was established in 1998.

As well as new student members, the University of Adelaide Chapter also inducted five new honorary members:

Professor Cliff Blake, Vice-Chancellor

Professor Ian Young, Executive Dean of Engineering, Computer and Mathematical Sciences and Pro Vice-Chancellor (International)

Ms Susan MacIntosh, Executive Director, Student and Staff Services

Mr Brenton Schulze, Manager, Careers Service

Mr Stephen Beaumont, Facilities and Planning Librarian.

Four scholarships of \$550 each were presented to new members Anna Hardie, Wendy Foster, Sally Kellett and Mahendrarajah Piraveenan.

Professor Ian Young delivered the keynote address on the theme of internationalisation. He discussed the benefits to individuals and organisations of being members of the global community. He also encouraged new Golden Key members to incorporate a period of study overseas into their academic programs.

Further information about the University of Adelaide Chapter of the Golden Key International Honour Society can be obtained from the website: www.adelaide.edu.au/gknhs/

Johanna's new job in NY the start of new marketing opportunities

WINE Marketing graduate Johanna Clayton has won a highly coveted position with a New York winery.

Ms Clayton, a 2001 graduate, started work last month for Dr Konstantin Frank Vinifera Wine Cellars in New York State.

It's the first position offered following a recent visit to the area by Dr Johan Bruwer, Senior Lecturer in Wine Marketing at the University of Adelaide. Dr Bruwer and Mr Bob Gilliver from the University of Adelaide's Graduate School of Management have both presented executive wine business and management training programs in the eastern United States.

Dr Bruwer said he found significant interest from companies in employing Australian wine marketing graduates, and he expected other University of Adelaide graduates to soon follow in Ms Clayton's footsteps.

"A number of major companies asked about 2001 graduates in our Bachelor of Wine Marketing program," said Dr Bruwer.

"The Australian 'flying winemaker' is a well-known, even fashionable phenomenon in world wine markets. To make a vintage in a foreign country and extend the ever-growing reputation of the Australian wine industry in this way has become part and parcel of the resumé of many Australian winemakers. And there are great opportunities for our graduates of wine marketing to travel just like our winemakers do."

Ms Clayton's position is located in the Finger Lakes region of the New York State wine industry. The winery is a 45,000-cases-per-year producer and claims it was the first in the United States to grow straight varietal (vinifera) grapes and produce only straight varietal wines. It also produces champagne via the *methodé champenoise*.

Ms Clayton said the position offered her a challenging and exciting way to embark on her career in wine marketing.

"I am extremely excited to be given the opportunity to work and learn in an overseas market and I hope I can extend to them the knowledge I have gained through my studies," Ms Clayton said.

Dr Bruwer said similar opportunities for the



University's graduates existed, with other wineries in the eastern United States expressing their interest. He hopes to build further on this relationship and extend the possibilities when he does another round of training programs in July this year, together with newly appointed Lecturer in Wine Marketing Rob van Zanten.

"There is an evolutionary process that begins with these short courses, leading to international students coming to the

University of Adelaide to undertake further study and to cooperative enterprises to offer courses in partnership with other universities in these countries," Dr Bruwer said.

"We are also reaching out into research networks that enable joint projects in developing areas such as wine tourism. It means we continue to be the best in the world and through these networks our own industry will benefit."

—Lee Welch

ALUMNI NEWS

FREE PUBLIC TALK

The Sciences and Mathematical Sciences Chapter of the Alumni Association is holding the second in its 2002 Evening Series of public talks by leading scientists. These talks highlight interesting advances in science and technology affecting our everyday activities.

The topic on Wednesday, June 26 will be "Alternative Sources of Renewable Energy—dream or reality?" and the speaker will be Dr Stuart Martin of Flinders University.

The talk, which is suitable for Year 11 and above, starts at 6pm in the Rennie Lecture Theatre [Johnson Building East] at the University of Adelaide.

Admission is free. Contact 8303 4965 or 8303 5800 for more information.

ANNUAL GENERAL MEETING

The Alumni Association's Annual General Meeting will be held on Tuesday, June 18 at 6.00pm in the Equinox Cafe, Level 4, Union House, North Terrace campus. Light refreshments will be provided from 5.30–6.00pm. The meeting is expected to end no later than 7.30pm.

Further details, including the agenda, annual report and supporting documentation, can be obtained from the Alumni and Community

Relations office at Level 1, 230 North Terrace or from our website at www.adelaide.edu.au/alumni

Apologies can be forwarded to the Chair via Kim McBride at 61 8 8303 3196 or email kim.mcbride@adelaide.edu.au

SUPPORTING THE WORKS OF SHAKESPEARE

The Mares-Eaden Fund was established in 2001 in memory of the life and work of Tim Mares and Robin Eaden following their tragic car accident. Both Tim and Robin were former staff members in the University's English Department. Friends and colleagues all over the world value their contribution to literary scholarship.

Funds donated to the Mares-Eaden fund will help to provide perpetual endowment for a prize for an undergraduate essay or honours thesis in Shakespearean and Elizabethan Studies, for students enrolled in the Department of English at the University of Adelaide. Further information is available on our website or from the Alumni and Community Relations office.

VISIT OUR HISTORIC NORTH TERRACE CAMPUS

Heritage Tours of the historic North Terrace Campus are available every Tuesday. These

one-hour tours, conducted by trained volunteer tour guides, provide a great opportunity for parents of new students at the University of Adelaide to walk around the grounds of South Australia's oldest University, learn about the history and heritage and to see where your children are studying. An ideal way for you to revisit your alma mater.

For details on the tours call the Alumni and Community Relations office on (08) 8303 3234 or send an email to: nicole.stones@adelaide.edu.au

DISCOUNTED BORROWING

Did you know that if you are registered with the Alumni and Community Relations office you can now enjoy borrowing rights at the Barr Smith Library for a \$55 annual fee? As a graduate and friend of the University of Adelaide you will have valuable access to an extensive range of library resources. For further information contact the Barr Smith Library directly on (08) 8303 5370 or drop in and ask one of the friendly library staff.

THOUGHT ABOUT MAKING A GIFT TO THE UNIVERSITY?

A bequest is a gift to the future generations of students and scholars who will continue our tradition of excellence...

If you wish to help the University of Adelaide in your will, and would like advice or further information about making a bequest, please contact:

Elaine Baker, Senior Development Officer
Alumni and Community Relations
Level 1, 230 North Terrace
Adelaide University SA 5005
Telephone: +61 8 8303 5800
Facsimile: +61 8 8303 5808
Email: development@adelaide.edu.au

SEEKING YOUR ASSISTANCE

The following books are currently being stored in the Alumni and Community Relations office. If you have any information on, or interest in, these publications please contact Kim McBride at +61 8 8303 3196 as soon as possible.

Chemistry in the University of Adelaide 1876 – 1980 by V.A. Edgeloe

The Medical School of the University of Adelaide by V.A. Edgeloe

The University of Adelaide Centenary 1874 – 1974 by John Bray

Engineering Education in the University of Adelaide 1889 – 1980 by V.A. Edgeloe

The Bragg Family in Adelaide by John Jenkin

Dietary Counselling Manual for Dentistry by Elizabeth Fanning and Barbara Smith

Discoveries by Chemists by Rupert J. Best.

radio.adelaide.edu.au

June 2002

30TH Birthday
1972 - 2002

Join us - ALL of us - volunteers and friends of 5UV from all eras, special guests Robyn Archer and CBAA President David Melzer, live entertainment acts and music for a night to remember!

Theme: 1972. Celebrate Australia's longest running community radio station's 30th birthday.

Tickets are just \$25 and include dinner, a glass of wine, birthday cake and access to all entertainment. Call Carol or Marit on 8303 5000 to book. See you there!

6.30 for 7 PM
Saturday 29 June
Governor Hindmarsh Hotel

Ngatipa Nyangu Jaru Warlartja (Our Own Stories) canvasses the life stories and dreaming of the Warlpiri people who live around Yuendumu, NT. Produced by the same people who brought us the AFI award-winning series *Bush Mechanic*. Sundays @ 9 AM, starts June 2

Boulevard is art of a different kind - street front art! We've converted our front windows into a professional display space, and *Boulevard - Urban Experience* will be the first exhibition suite to use them. It will look at personal experience in the urban environment. In June we feature Photography, Painting & Textiles

Congratulations to Arts Breakfast producer and presenter Cath Kenneally, who won the prestigious John Bray National Poetry Prize for her second book of poetry *Around Here*.

Become a RADIO ADELAIDE SUBSCRIBER in JUNE - or RENEW your subscription - and you'll go into the draw for an ENORMOUS basket of chocolate - value: \$300 thanks to Community Aid Abroad. Call us on 8303 5000 for details

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Elder ensemble offers two glasses of Max's best wine at St Magnus

A 12th CENTURY cathedral on the Orkney Islands off Scotland will be the venue for the Elder New Music Ensemble's first overseas performances later this month.

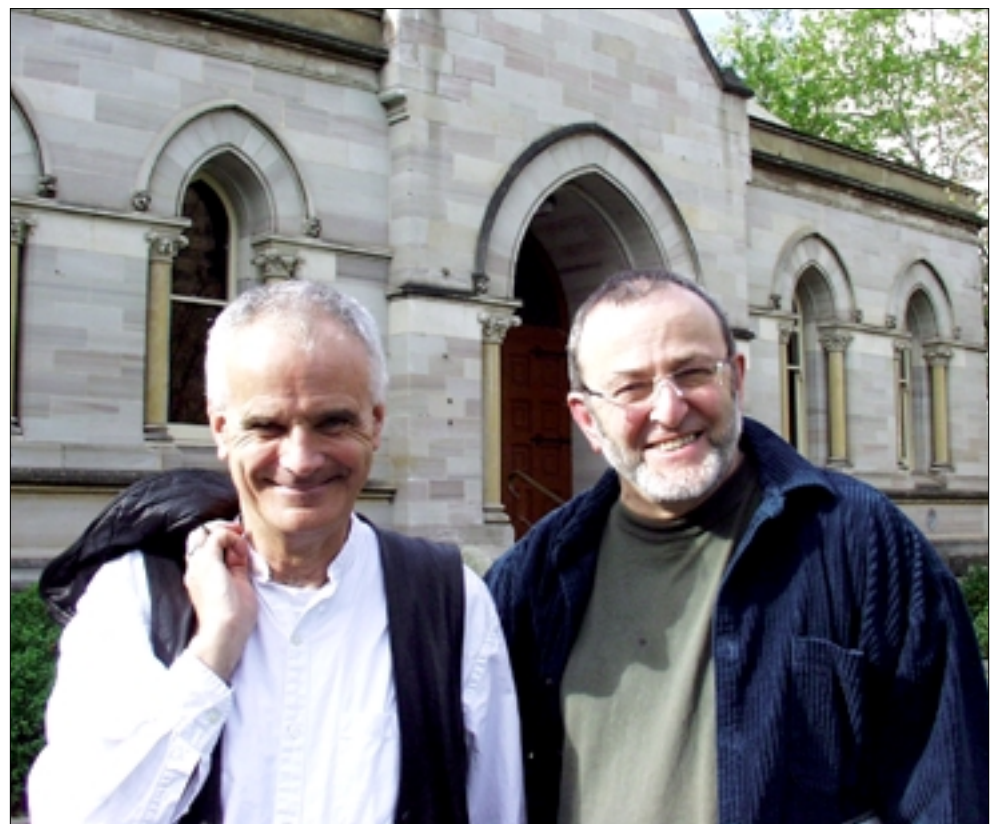
The eight-member group will present two concerts (June 25 and 26) at the St Magnus Festival in Orkney's capital, Kirkwall, which is home to the distinguished British composer Sir Peter Maxwell Davies.

The connection between the University of Adelaide and Maxwell Davies dates from the 1960s when he taught composition at the Elder Conservatorium. Two years ago, New Music Ensemble director Grahame Dudley (a friend and former student of the composer) helped arrange for Maxwell Davies to return to South Australia as composer-in-residence at the Barossa Music Festival.

During his visit, the composer worked with the ensemble and wrote a new piece for them, *A Glass of Frontignac* (dedicated to Peter and Margaret Lehmann), which he used as the subject of a master class. He also invited the ensemble to perform at the 2002 St Magnus Festival.

Mr Dudley said financial support for the Orkney trip had been provided by the University, ArtsSA, the Helpmann Academy and a number of private individuals and companies. A "thank you" concert for supporters was held at the Centre for Performing Arts last month.

"Performing at the St Magnus Festival will be a wonderful experience for the ensemble," said Mr Dudley, who has visited Orkney previously.



Max Davies (left) and Grahame Dudley outside Elder Hall during Max's last visit to Adelaide.

"The cathedral itself is more than 800 years old and is probably twice the size of St Peter's in Adelaide. Max has written another new piece for us, *A Glass of Shiraz*, which we will perform at the festival alongside *A Glass of Frontignac*."

The ensemble's program will also include

works by the German composer Karlheinz Stockhausen, Australian composers Ross Edwards and Gillian Whitehead, Adelaide's Quentin Grant and David Kotlowy, and a new work by Anne Cawse (an Elder School student from the Barossa Valley).

—John Drislane

Celebrate and support our young performers

FIRE is the theme of the 2002 Maestros & Apprentices Dinner, the annual fundraiser of the Helpmann Academy.

The Academy provides twice-yearly grants to South Australia's emerging performing and visual artists, including many of the talented students and graduates of the University of Adelaide's Elder School of Music.

This year's black tie fundraising dinner will be held on Friday, June 14 at the Adelaide Entertainment Centre.

A spectacular entertainment program will showcase some of the talented performers who have already benefited from Helpmann Academy grants. These include: the Hormingo Ensemble, Flinders Drama

Centre actors, AIT - Performing Arts dancers, Elder School of Music's cabaret star and award winner Patrick Lim, and the Lanie Anderson Trio.

Among the many highlights of the evening is the Art Auction. Topping the auction A-list is a romantically seductive partnership of a necklace of 32 lustrous graduated cultured South Seas Pearls with diamond and white gold clasp, wrapped around a magnum of Special Cuvée Bollinger French Champagne! Nicknamed *Bollinger on Ice*, the value of the jewellery and the champagne is in excess of \$11,500.

Tickets to the dinner are \$140 per person, and tables of 10 are available. For bookings call Margo Noorda on (08) 8463 5014.



NEWSMAKERS

The University's successful bid to host the Australian Centre for Plant Functional Genomics brought a round of media interviews for the Centre's interim director, **Professor Peter Langridge**. He spoke to *ABC TV News*, *Channel 10 News* (May 10) and the *Stock Journal* (May 16).

A *5CK* discussion (May 24) about Australia's richest people included a contribution from **Dr Garrett Cullity** on the moral demands of affluence. **Patrick Wright** spoke to Leon Byner on *5AA* (May 9) about the CSL Yarra crewing dispute, while **Emeritus Professor Trevor Wilson** was interviewed by *891 ABC's Drivetime* (May 17) following the death of the last Gallipoli veteran, Alec Campbell.

The Road Accident Research Unit's call for a uniform 50kph speed limit in metropolitan

areas attracted the interest of *5AA's* Keith Conlon and Tony Pilkington who interviewed **Craig Kloeden** (May 14). The story also featured in the *The Geelong Advertiser*, *The Northern Territory News* (May 14) and *The Murray Pioneer* (May 17). The Unit's Director, **Professor Jack McLean**, appeared on *Channel 9 News* and *Channel 10 News* (May 12) speaking about another road safety issue: the need for cars to be redesigned to minimise injuries to pedestrians.

On *891 ABC* (May 16) Phillip Satchell's special guest was **Dr Brian Victoria**, who talked about his years in Japan as a Methodist missionary, Zen priest and anti-war activist. **Dr John Bruni** was interviewed by *ABC TV's* Asia Pacific service on the motivation of terrorists. He also spoke to

Pamela Francis of *5AA* (May 14) about the agreement between the US and Russia to reduce stockpiles of weapons.

The common cold was the topic of a discussion on *891 ABC* (May 27) involving **Professor Justin Beilby**, Matt Abraham and David Bevan. On *5CK* (May 13) the Country Hour enlisted the expertise of **Dr Cynthia Bottema** to explore the value of DNA testing in livestock selection.

A report on *Channel 10 News* (May 9) on the connection between oral hygiene and general good health included a contribution from **Dr Jane Chalmers**. On the *ABC's PM* program (May 13) **Dr Kevin Pile** commented on the release on the Australian market of a new arthritis drug, Mobic.

The *Sunday Mail* (May 26) sought comment

from **Dr Pascale Quester** on the practice of manufacturers increasing the price of products while decreasing their size. **Dr John Williams** was interviewed on *ABC TV News* (May 8) about Premier Mike Rann's promise to hold a referendum on nuclear waste dumping if the Federal Government proceeds with a dump in South Australia.

Professor Chris Mortensen spoke to the *Sunday Mail* (May 26) about why people expect judges and priests to set a better example than sports stars and pop celebrities.

On *ABC TV News* (May 9) **Dr David Paton** sounded a warning about Australian birdlife, saying that one in 10 farms needed to be returned to nature to ensure native bird populations increase. *Radio National's* Bush Telegraph program also carried the story.