

# Adelaidean

NEWS FROM THE UNIVERSITY OF ADELAIDE

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## Warfare's new face on academic agenda



A major forum on “asymmetrical warfare” to be held at the University of Adelaide will address timely issues facing Australia and the world.

War is on everyone's minds, with thousands of students leading a protest rally last month from the grounds of the university  
Photo David Ellis

The three-day forum, called “Exploring Asymmetric Warfare”, will bring together experts on defence, terrorism, politics, Asian studies, strategic studies and civil liberties.

While conventional warfare sees opposing forces fighting each other on a known battlefield, “asymmetrical warfare” is a term coined to describe the new and more elusive tactics used by fighters on an altogether different battleground. This includes the terrorist attacks on the World Trade Center on September 11, 2001.

Jointly organised by the university's Centre for Asian Studies and the Centre for Professional & Continuing Education, this new forum aims to develop a greater understanding of the complexities involved in asymmetrical warfare.

“We will outline the strategic environment Australia is confronting in East Asia, and the types of security responses (military and non-military) Australia has to meet these new challenges,” said Dr John Bruni from the Centre for Asian Studies.

Dr Bruni, Adelaide's best-known commentator on terrorism and defence, is a co-organiser and key speaker at the event.

“Asymmetrical warfare has become more widely known by the general public since the September 11 terrorist attacks in the US,” Dr Bruni said. “But asymmetrical warfare is more than just terrorism—how we prepare for the new battleground and how we respond to it is vital for our nation.”

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## McWha's Words

### Working Together

It's probably not the best time to be travelling in the world, but as I mentioned in my last column there are some important events that deserve attention: our graduation ceremonies in Malaysia and Singapore, and a meeting of the International Association of University Presidents in Portugal.

While division among world leaders is deepening and tensions are growing, I firmly believe that people all around the world have a unique capacity to come together in difficult times. This is why attending these events is now more important than ever. The ability to develop knowledge and to use that knowledge for the betterment of our communities is something that we all share.

The late Ong Teng Cheong, former President of Singapore and a graduate of the University of Adelaide, believed very strongly that education was not only of great benefit to individuals, but

that it could be utilised for the benefit of society in general. This is something that I want all of our graduates to reflect in one way or another as they use their new-found knowledge in their lives and go about their careers.

The graduations in Malaysia and Singapore reinforce the long-lasting ties that exist between these countries and Adelaide, and enable graduates to look back on their experiences (educational and otherwise) of Adelaide. They should also be a reminder of the shared responsibility we have as citizens of our own countries and citizens of the world to work together to achieve a desired outcome.

On the subject of Singapore, I congratulate the Singapore Government for formally recognising our medical students' qualifications. Our Medical School has been working very hard to achieve this, and I believe it will result in some very strong benefits—both for Singaporean

students wanting to study medicine at Adelaide, and for the medical institutions in Singapore who wish to hire our graduates. We are, after all, working together to achieve a desired outcome.

From Singapore we headed to Portugal. The International Association of University Presidents, of which I am the Secretary-General, is a UNESCO accredited organisation. One of our tenets is that education can serve to promote understanding and to resolve conflict in the world, and so our gathering in Portugal comes at an opportune time to contemplate these and other issues.

JAMES A. McWHA  
Vice-Chancellor

### Adelaidean

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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.

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## Entrepreneurs' Challenge to nurture innovative spirit

In changing its name to the Entrepreneurs' Challenge (formerly E-Challenge), the University of Adelaide and Hewlett-Packard Australia will be entering this year's event with a fresh outlook.

The new-look event—and its new-look logo—will be launched on Thursday, April 10 at the Art Gallery.

For the past two years, the challenge has attracted young people with bright ideas in a business-like competition that offers more than \$70,000 in prizes.

Hewlett-Packard Australia will again provide \$65,000 sponsorship for the event that will see participating teams plan for business ventures with 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 Karen Franks, project manager and Business Development Manager for the Adelaide Graduate School of Business.

"The winning team will receive prizes to the value of \$50,000, the second team \$17,000 and the third \$5,000. And, just as importantly, the prizes relate to helping the recipients get their venture off the ground.

"The 2002 Entrepreneurs' Challenge 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, Computer Associates, Taylor Collison and the Adelaide Graduate School of

Business have all agreed to sponsor the 2003 competition."

"This is an excellent means of nurturing this innovative spirit in our students," said the University's Vice-Chancellor Professor James McWha.

"It is also an excellent opportunity to marry the learning from our academic programs and research activities with the practical experience that E-Challenge offers."

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

"The challenge 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."



# VC's scholarship makes life easier for two top students

Two commencing University of Adelaide students have had their transition from the country to the city made easier after being named as the inaugural recipients of the Vice-Chancellor's Scholarships Fund.

Kadina's Troy Tobin and Mount Gambier resident Lan Lieu, aged 18 and 19 respectively, are now studying first-year courses at the university after achieving outstanding results in Year 12.

The Scholarships Fund was launched late last year by Vice-Chancellor Professor James McWha, and is designed to help exceptional but disadvantaged students gain a start at the university each year. The fund operates through generous donations from university alumni and other members of the community, with Troy and Lan each receiving \$15,000 over three years.

Troy said it was "nice and surprising" to receive the VC's scholarship.

At Kadina Memorial High School Troy earned a TER of 99.45, receiving a top score of 20 in Maths 1 and 2. He is now studying for a double degree in Engineering (Electrical & Electronic) and Science at the University of Adelaide.

"Electronic engineering interests me because it deals with relatively new technology and is always developing," Troy said. "There are always changes in the field, and it

seems like there's quite a few job prospects."

He said the VC's scholarship would make a major difference to his life because he was living away from home to study.

"At university all the responsibility's on you—you need to be more independent. It's even more different for students like me because I come from a country town," he said. "It will take a lot of the pressure off me so I can concentrate on my study."

Troy has also received the \$2500 Adelaide Achievers scholarship.

For Lan, being notified of her achievement was an unexpected—but happy—occasion.

"I was so happy I rang my parents straight after to tell them that I got a scholarship, they probably even heard me smiling over the phone!" she said.

Lan went to Grant High School in Mount Gambier, and received a TER of 99.75, with a top 20 score for Japanese. She is studying in the new Bachelor of Science (Optics and Photonics) course, as well as studying Chinese for personal interest.



Pictured with Vice Chancellor Professor McWha are Troy Tobin (left) and Lan Lieu (right)  
Photo David Ellis

At this stage, she is not too preoccupied with pursuing a set career path.

"I'd just like to do well in my studies and from there hopefully I'll get a good job," she said. "I feel that I'd be happy with whatever job I get that relates to the subjects that I'm doing now."

She said the Vice-Chancellor's Scholarship Fund will definitely help her to better focus on her studies.

"The scholarship will greatly assist me with living costs such as bills, food and transport—as well as making up for the costs of all the fees and textbooks—which will leave me a little less worried about paying for these costs. With less pressure, hopefully I'll do better in my studies," she said.

Lan also received the Adelaide Achievers Scholarship, and a SA Women's Association Scholarship.

Vice-Chancellor Professor James McWha congratulated both students on being the inaugural recipients of the scholarships.

"They are both worthy students and we hope the scholarship enables them to continue their academic success at the university," he said.

"I would like to thank everyone who donated money towards the Vice-Chancellor's scholarships. It is a unique opportunity for us to recognise and reward top students who deserve financial support, and your contribution will generate benefits not just for the students but also for the future of the State and the nation."

Story by David Ellis, Ben Osborne



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# Attenborough's Adelaide connection

Two University of Adelaide researchers have played a key role in the production of the world's biggest documentary on mammals.



From left: Dr Peggy Rismiller and Sir David Attenborough with echidnas, and a yellow-footed rock-wallaby

*The Life of Mammals*, now screening on ABC TV, is the largest ever wildlife series devoted to mammals.

Narrated by Sir David Attenborough, the series takes viewers into worlds rarely seen, using the latest in technology and some remarkable camera work to bring the unique and diverse lives of mammals to the small screen.

Featured in the series are Australian marsupials (mammals that raise their young in a pouch) and monotremes (mammals that lay eggs). Among these are two that required the expertise of University of Adelaide researchers—Dr Peter Hornsby, who was scientific consultant to the program on the yellow-footed rock-wallaby, and Dr Peggy Rismiller, who was scientific consultant on the short-beaked echidna.

Dr Rismiller is a Visiting Research Fellow with the university's Department of Anatomical Sciences, and is principal investigator of the Echidnas and Goannas of Kangaroo Island project for the Earthwatch Institute. She has been studying echidnas for 14 years.

"The Attenborough team wanted to work with wild animals in the field documenting courtship, mating and hatching of the short-beaked echidna. This had long been a grail for Sir David," Dr Rismiller said.

"We had previously achieved this and more, so we were asked to assist by providing expertise, advice, technical support, and on-location assistance."

The animals filmed by the documentary crew are part of a unique study population.

"This is the only population with known and marked echidnas where several generations of biologist can follow individual wild echidnas from conception to old age within a geographically discrete and natural environment," Dr Rismiller said.

It was highly important that the documentary crew not disturb individual echidnas or populations. Dr Rismiller's knowledge and field experience was able to minimise the challenges faced by the film crew, and provide up-to-date information for the narration. While in the field with Sir David, an untransmitted echidna train was collected and he was able to personally observe the courtship behaviour.

"Some of this footage was used in the promotional screenings overseas," Dr Rismiller said.

Like Dr Rismiller, Dr Peter Hornsby, Visiting Research Fellow with the Department of Psychology and leader of the Nent Oura ("Faraway Place") Research Unit, also believes strongly in promoting scientific work to the public.

An animal behaviourist, Dr Hornsby has been studying yellow-footed rock-wallabies for more than 30 years. He assisted the *Life of Mammals* crew with the filming of wallabies in the North Flinders Ranges.

"The area lends itself to filming—it's relatively easy to see the wallabies and get close to them, and the Flinders Ranges themselves are interesting and highly photogenic," Dr Hornsby said.

"May is usually the best time to film the wallabies, but when the documentary crew came out it was overcast and mild, not at all what you would expect at that time of year. Wallabies' behaviour is very dependent on the weather."

The crew was eager to get some good footage of the wallabies, so they returned in July for more filming. The results now appear in the series.

Dr Hornsby, who was the first person to see and document the unique transfer of fluids from a mother wallaby to its young, said *The Life of Mammals* "contains some of the best footage I've ever seen of this activity".

"I think what they've done, with the camera work and the use of new technology, is very exciting," he said.

Story by David Ellis

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# Adelaide's new hub for fitness

More than 300 members have already joined the new Sports Hub Fitness Centre, which was officially opened recently following months of planning and construction.

Located on Level 5 of Union House, the fitness centre is equipped with state-of-the-art pin loaded machines, free weights and top-of-the-range cardio equipment.

It also offers classes in aerobic, circuit and funk dance as well as courses in yoga, Tai Chi, Latin Dance and Circus.

The Sports Hub Fitness Centre will be open on weekdays from 7am to 9pm, and on Saturdays from 8am to 2pm. The centre is offering a highly competitive 12-monthly rate of \$110 for University of Adelaide students.

For Georgia Heath, President of

the University Union, and Gloria Chester, Executive Officer of the Sports Association, the opening was the moment they had been waiting for. Their excitement and enthusiasm were clearly evident in their respective speeches.

"This is a great day for everyone at the university. We now have a fabulous facility in the heart of the campus and we can be extremely proud of this achievement," they said.

The event was also a special moment for Tony Clarke, who was invited to the opening and participated in the ribbon cutting.



Flexing their muscles in the new Fitness Centre are (from left) Georgia Heath, Gloria Chester, and Michael Physick (Project Manager, Office of Student and Staff Services). Photo by Howard Salkow

Clarke, who is studying for a BA (majoring in philosophy) at the University of Adelaide, has not allowed the loss of his sight to stand in the way of progress. As a judo specialist, he won gold at the Atlanta Paralympics in 1996 and also at World Championships in Assen,

Holland (1990) and Madrid, Spain (1998).

With his trusty guide dog Hawke at his side, Clarke shared his successes and how he overcame adversity to reach the top in his sports career.

Story by Howard Salkow



## News in Brief

### Council Election

Three members of the University's Senate have been elected to University Council, following a recent election.

The successful candidates were (in alphabetical order) Edwin Harry Medlin, John William Perry, and Baden Teague.

### Indian Visit

Fourteen Indian officials from the state of Gujarat have been hosted by the University of Adelaide as they took part in a two week training program and study tour of Cleaner Production last month.

Coordinator of the University's Graduate Program in Environmental Management Program, Dr Jan Carey, said the officials were from government and industry, and were interested in areas such as waste minimisation, recycling industries, pollution prevention and water use.

They visited the university's Environment Engineering and Chemical Engineering facilities, and Thebarton campus, as well as SA Water treatment facilities and various recycling and waste depots.

### Urrbrae House Open Day

An Open Day for one of the university's most historic buildings, Urrbrae House at the Waite Campus, will be held on Sunday, April 13 from 11am to 5pm, with admission free.

The event is celebrating the 80th anniversary of the donation of the House and surrounding property to the University of Adelaide by Peter Waite.

The day will have a distinctly Scottish feel (Waite was a Scotsman), with Scottish pipe bands, highland dancers, caber tossing and haggis throwing all part of the entertainment. Phone (08) 8303 6904 for information.

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# Michael engineers career in dentistry

Torn between two career paths, Michael Robinson decided to join the Army Reserves and later the full-time Air Force while pursuing a degree in micro-electronic engineering.

Now, at 27 years of age with a successful career behind him as an avionics design engineer, Michael has returned to the Army to undertake another civilian degree—a Bachelor degree in Dental Surgery.

“When I left high school in Queensland, I was accepted into the then Ready Reserve Scheme and undertook one year full-time with the Army and then three years part-time while I studied at university,” Michael said.

“Early in my third year of study, I was able to transfer to the Air Force and take part in the Defence Undergraduate Scheme studying engineering.”

On completion of his engineering degree at the University of Queensland, in 1999 Michael was posted to RAAF Base Edinburgh, where he began working full-time for the Air Force as an avionics design engineer.

“Micro-electronic engineering has the same basis as electronic engineering but is more focused on computer systems design and communications,” he said.

Michael Robinson in the University of Adelaide’s Dental School  
Photo Michael Lucas



“In my work area, I was responsible for a section of personnel managing avionics systems for the P3C Orion, as well as looking after design work and project management of aircraft modifications related to the systems for which we were responsible.”

Although he enjoyed his career, Michael said he still dreamt of a career in dentistry.

“It was during the last two years of my time in the Air Force that I started to think very seriously about it [dentistry],” he said.

He returned to his roots in the Army, and for the past 12 months has been on unpaid leave while undertaking his first of five years study at the University of Adelaide’s Dental School. At the end of the degree, Michael will begin working full-time for the Army as a dentist.

Michael admits it is quite a career turnaround, but he has the financial and professional support of the Defence Force, as well as all the hard work on his part to help realise his dream.

The Army, Air Force and Navy are all seeking to employ dentists, offering a dental career with a difference.

Minister Assisting the Minister for Defence, Ms Danna Vale, congratulated Michael on his success so far and wished him well for the future.

“This is just one example of the many great opportunities open to members of the Australian Defence Force,” she said.

For more information about career and assisted study opportunities, visit [www.defencejobs.gov.au](http://www.defencejobs.gov.au) or phone 13 19 01.

## Warfare’s new face on academic agenda

Story from page 1

“By the end of this forum participants will have a deeper and more objective understanding of the new types of security challenges that exist in the world, and particularly those that Australia faces in its immediate strategic region.

“Participants will also have a better understanding of how Australia’s responses and capabilities differ from allied countries such as the United States and the United Kingdom,” he said.

Dr Bruni said the University of Adelaide was increasingly becoming a centre of expertise in the field of asymmetrical warfare.

“The academic discussion in this field is not about waging war or encouraging war, it’s about providing a level of expertise on strategic issues.

“As long as there is conflict in our world, we need to further the discussion of issues surrounding that conflict and raise public awareness,” he said.

The forum, “Exploring Asymmetric Warfare”, will run from June 4-6 at the Novotel Adelaide.

For more information, including registration, visit: [www.adelaide.edu.au/awforum](http://www.adelaide.edu.au/awforum)



Dr John Bruni from the Centre for Asian Studies

### ■ Students protest war

Meanwhile, an estimated 4000 students from South Australian schools and universities held a peace rally in Adelaide last month to protest the planned war on Iraq.

The students gathered at the University of Adelaide before marching through the city to Parliament House.

The biggest target of their protest chants and banners was Prime Minister John Howard, with students denouncing his support of US-led military action in the Gulf.

Story by David Ellis



# New professors in niche technologies

Two new professorial chairs will be created thanks to collaboration between the University of Adelaide and the Defence Science and Technology Organisation (DSTO).

The new positions are a Chair in Photonics and Chair in Microwave Radar at the university.

The move, part of a new agreement between the university and DSTO, is aimed at leading an improved national engineering and research base in photonics (the application of lasers) and microwave radar critical to Australia's Defence Force.

Vice-Chancellor Professor James McWha signed the agreements with Dr Nanda Nandagopal, Director of DSTO's Systems Sciences Laboratory and Mr Neil Bryans, Director, Information Sciences Laboratory.

DSTO will fund the appointments of a Professor in Physics (Chair in Photonics) and a Professor in Electrical and Electronic Engineering (Chair in Microwave Radar) at the university for five years.

"DSTO and the University of Adelaide will develop a centre with world-class research expertise while addressing a national shortfall in these niche technologies," said Mr Bryans.

"This is another great example of how DSTO is collaborating with academia/industry to strengthen the technology base available to Australia's defence and therefore contributing to national wealth," said Mr Bryans.

The new professors will be responsible for the coordination of research activities at the university, including initiating new and expanding existing research programs with DSTO and developing linkages with industry.

They will also provide postgraduate research supervision and research courses and seminars to students



Photographed at the signing ceremony at DSTO. (From left) Mr Neil Bryans, Director, Information Sciences Laboratory, Professor James McWha, Vice-Chancellor, University of Adelaide and Dr Nanda Nandagopal, Director of DSTO's Systems Sciences Laboratory. photo courtesy DSTO

enrolled at the university and post-doctoral fellows located at DSTO.

The new professors will oversee a Centre of Expertise in their respective technology areas, which will be formally established between DSTO and the university later this year. This will form part of a strategic alliance between DSTO and the University of Adelaide.

"The primary aim of the two Chairs will be to focus national resources on emerging microwave radar

and photonics technologies with a particular emphasis on fundamental research with applications to defence," said Dr Nandagopal.

"The alignment between DSTO and the University of Adelaide in these areas will help strengthen an enduring long term national R&D infrastructure," he said.

Following the signing, Professor James McWha was given a tour of DSTO's key facilities at Edinburgh, north of Adelaide.

## Meaghan bound for Oxford

University of Adelaide Classical Studies graduate Ms Meaghan McEvoy is Oxford University-bound after winning a John Crampton Travelling Fellowship.

The 21-year-old product of Loreto College, who received first class honours in Classical Studies last year, has been accepted for postgraduate study in Classics at Oxford University.

She leaves for Oxford in September and will start with an M.Phil with the intention of upgrading it to a D. Phil. in subsequent years.

"I applied in July last year and was ecstatic when I heard the news that I was successful," she said.

"This is a wonderful opportunity and I am looking forward to studying at Oxford."

She said she has a passion for the Classics and would like to teach the subject at an Australian university on completion of her studies. Ms McEvoy has a particular interest in late antiquity and Byzantium.

The purpose of the John Crampton Travelling Fellowship is to enable students of Architecture, Engineering, Fine Arts and/or

Classical Antiquity to undertake study overseas in Italy, Germany, Spain or Greece or any other country deemed appropriate for the purposes of undertaking research towards a Masters degree or doctorate.

The fellowship provides payment of the university fees and a living allowance for a period of up to two years for a Masters degree and three years for a doctorate. The value of the awards is varied depending on the country of study.



Ms Meaghan McEvoy  
Story and photo by Howard Salkow





# Graduations

## Malaysia

Hundreds of guests, friends and family filled the ballroom of the Hyatt Regency Saujana, Subang, for this year's graduation ceremony in Malaysia.

Around 50 students graduated or were re-presented with their awards at the ceremony on Saturday, March 22.

The guest speaker was YB Datuk Seri Panglima Joseph Pairin Datuk Kitingan (LLB 1970), former Chief Minister of Sabah.

The event was accompanied by a reception for former St Mark's College students and the annual reunion dinner for Malaysian alumni.

**The University of Adelaide acknowledges the generosity of Clipsal Malaysia Sdn Bhd and Clipsal Manufacturing (M) Sdn Bhd for their generous support of the graduation in Malaysia.**



**Above:** The guest speaker at this year's ceremony in Malaysia, YB Datuk Seri Panglima Joseph Pairin Datuk Kitingan, spoke about the benefits of education and working together across cultures.



**Right:** MBA graduate Nik Mohd Alimin with his seven-month-old daughter Nik Nur Aqeela and wife Norhayati Bt Luddin, who is also an Adelaide graduate and current student in the School of Dentistry.



**Left:** Medical graduate Afnizar Bt Akbar, a former president of the Overseas Students Association, with her husband Hafizz Udin.



**Above:** The mace bearer is a time-honoured role at University of Adelaide graduation ceremonies. Mimi Zaleha Abdul Ghani, mace bearer for the Malaysian ceremony, graduated with a Master of Architecture (Digital Media). She is pictured here with Ming Yeong Tan (Master of Nursing Science) who thanked the guest speaker at the ceremony on behalf of all the graduating students.



Christina Ng graduated with a Bachelor of Commerce (Corporate Finance). She celebrated the re-presentation of her certificate with mother Rosemary and father Jeffrey, who is Managing Director of Clipsal (Malaysia) Sdn Bhd.



■ **Singapore**

Around 80 students graced the stage at this year's ceremony in Singapore, held again at the Teochew Building, home of the Ngee Ann-Adelaide Education Centre. Guests, friends and families celebrated the students' success on Sunday, March 23.

Guest speaker at the Singapore ceremony was Vice-Chancellor Professor James McWha, who spoke about the need for education to be used for the betterment of society as well as the individual.

The event also saw a past graduate, Retired Colonel Dr Richard Hin Yung, become the latest Asian graduate to receive a Distinguished Alumni Award.

**The University of Adelaide acknowledges the generosity of the Ngee Ann-Adelaide Education Centre Pte Ltd and the Ngee Ann Cultural Centre for their generous support of the graduation in Singapore.**



**Above:** Graduates Ng Loon Ji (Master of Environmental Management, 2nd from left) and Leong King Wah (MBA Advanced, middle) played important roles at the ceremony, as the thanking speaker and mace bearer respectively. Loon Ji is the winner of the Jack Ludbrook Prize for Environmental Management, while King Wah is the winner of the Ngee Ann-Adelaide Prize for the most outstanding MBA graduate. Both graduates are pictured here with Directors of the Ngee Ann-Adelaide Education Centre, Teoh Eng Hong (left), Teo Chiang Long (2nd from right) and Richard Lee (right).



The Vice-Chancellor presented Retired Colonel Dr Richard Hin Yung with the Distinguished Alumni Award. The award recognises his achievements in Medicine and the Singapore armed forces, and his commitment to the establishment and development of a Singapore alumni chapter of the University of Adelaide.



**Above:** Segar Suppiah (MBA) was joined by members of his family to celebrate his graduation.



**Above:** Lim Chee Ann (MBA) with a furry friend at the graduation celebrations.

**Left:** Vice-Chancellor Professor James McWha was the guest speaker at this year's graduation ceremony in Singapore.

# Improving health of IVF embryos leads to another award for Alex

University of Adelaide student Alexandra Harvey has kicked off the final year of her PhD studies with a bang by winning a prestigious award.

Ms Harvey, who is working in the laboratory of Dr Jeremy Thompson in the university's Reproductive Medicine Unit (Department of Obstetrics & Gynaecology), recently won the Student Award at the 2003 International Embryo Transfer Society Annual Conference in Auckland, New Zealand.

The award is the latest in a long line of recent accomplishments for Ms Harvey. In the past year she has also been awarded: an Australian-German Research Co-operation Scheme Travel Grant; an international travel grant from the International Embryo Transfer Society; a Faculty of Health Sciences Postgraduate Travelling Fellowship (University of Adelaide); a Mutual Community Postgraduate Travel Grant; and the Cathy Candler Bursary from the Australian Federation of University Women (SA) Inc.

The awards come in recognition of Ms Harvey's critical research on improving the health of in vitro fertilisation (IVF) embryos in cattle.

IVF is commonly used in the beef and dairy industries, however the technique is still fraught with many problems—only 30% of cow eggs fertilised using IVF technology develop into a healthy, transferable embryo. Ms Harvey plans to change that poor record by improving IVF culture conditions.

"The problem with IVF is that the laboratory culture environment is so different from the natural environment in which fertilisation and embryo development usually occur," she said. "We believe that if we can more closely mimic the natural environment, then we will improve embryo development and possibly get healthier calves as a result."



Alex Harvey in the Obstetrics & Gynaecology labs at the Queen Elizabeth Hospital  
Photo David Ellis

Ms Harvey's particular interest is in the concentrations of oxygen normally found within reproductive organs. While oxygen constitutes approximately 20% of normal air, it is found at much lower concentrations within the uterus.

"In contrast to those grown under high oxygen concentrations, embryos grown under very low concentrations of oxygen, even as low as 2% from a specific time-point in development, were found to show patterns of growth and gene expression which more closely resembled naturally-

fertilised embryos," says Ms Harvey. "It seems as though low oxygen levels are a critical stimulus for the embryo to be directed towards normal growth and development.

"Importantly, this research may also eventually improve human IVF," she said.

Ms Harvey is currently utilising two of her travel grants to expand her research further as a visiting scholar in the laboratory of Professor Bernd Fischer, Martin Luther University, Germany.

Story by Sarah Hudson



## Newsmakers

After travelling throughout South Australia for public meetings about the Constitutional Convention, **Dr Clem Macintyre** told *Radio Adelaide* (March 5) about how the meetings went and how they will impact upon the convention scheduled for later this year.

**Dr Barbara Pocock** told the *Sydney Morning Herald* (March 10) that Australians are working some of the world's longest hours, with productivity rising so dramatically in the past 10 years that it would have funded an extra month's leave for workers.

South Australia's new 50km/h road speed limits in built-up areas saw plenty of media work for **Professor Jack McLean**. He told the *Advertiser* (March 1) the reduced speed limits will reduce casualty crashes by as much as 38 percent.

Many students who learn one language through the University's Professional Continuing Education unit return to learn more, according to **Ms Sonya Perkins** in the *Weekly Times Messenger* (March 5).

**Dr Gus Nathan** appeared on *Channel Nine News* (March 2)

to talk about technology he is developing for replacing fossil fuels with solar energy.

The important trade talks between Australia and the US was the subject of **Mr Patrick Wright's** appearance on *Radio 5AA* (March 18). He talked with Leon Byner about any agreement's implications for Australian industries.

**Dr Colin Kestell** and a team of fourth-year Mechanical Engineering students were featured on *Channel 10 News* (March 5), detailing their plans to design and build a racing

car for the national Formula SAE championships, to be held in Tailem Bend later this year.

The number of pokie machines in South Australia must be drastically reduced, according to **Dr Paul Delfabbro**. He spoke to *Radio 891 ABC* (March 10) about his research into how a reduction in machines would lead to a decrease in problem gambling.

With almost a 100% employment rate, agricultural graduates have some of the best job prospects of all students, **Mr Darren Koopman** told the *Advertiser* (March 18).



## Hill awarded Clarke Medal



Professor Robert Hill

The Royal Society of New South Wales has awarded the prestigious Clarke Medal for 2002 to the University of Adelaide's Professor Robert Hill for distinguished work in the natural sciences done in, or on, the Australian Commonwealth.

The sciences of Geology, Botany and Zoology have been considered for the medal on a rotational basis since 1878.

Professor Hill is a Senior Research Fellow in the School of Earth and Environmental Sciences at the University of Adelaide, and Head of Science at the South Australian Museum.

"This is a great honour and it is gratifying to have my work recognised," said Professor Hill.

A graduate of the University of Adelaide, Professor Hill has had a lifetime interest in the evolution of the vegetation of Australia and Antarctica. He has published more than 125 refereed journal papers, 35 book chapters and has edited or co-edited four books. He completed his PhD on Tertiary plant macrofossils in 1981, and his DSc on the interaction between climate change and the evolution of the living Australian vegetation in 1997.

He has taught at universities in Queensland and Tasmania, and he returned to the University of Adelaide in 1999 to take up his current position.

Story by Howard Salkow

# Science's big question: commercialise or perish?

Has the commercialisation of research altered the lives of our scientists?

Professor James Paton, Professor of Microbiology in the University of Adelaide's School of Molecular & Biomedical Science, is one who does not shy away from the importance of linkages to industry. Nor does he argue that research is a commercial enterprise.

"We have moved with the times and the University of Adelaide can pride itself in working extremely closely with the private sector to further research. This is an imperative now that governments are making fewer dollars available to support research activities within universities," he said.

For one who chose a career in scientific research over medicine nearly 30 years ago (because he wanted to "discover new treatments rather than prescribe existing ones"), Professor Paton quite rightly enforces the need for basic research, but with a clear message.

"It is essential to continue to invest in basic research, in my case into the basic mechanisms that enable micro-organisms to cause disease in humans or domestic animals," he said. "But, having done that, it is just as critical to recognise commercial possibilities that might arise from that research and establish links with industry to ensure that basic discoveries are actually used in the field."

Professor Paton believes scientists must understand the marketplace. "It might be well and good to develop a new and potentially beneficial product, but it won't go far if, for commercial reasons, manufacturers don't produce it," he said.

Coupled to this, there must be some understanding of the nuances that dominate discussion around corporate boardroom tables.

"Companies want a competitive edge in the marketplace, and so protection of intellectual property is essential. Moreover, they often work to a strict timetable in order to gain the advantage of being first



Professor James Paton  
Photo Rob Morrison

into the market. Thus, it may be necessary to terminate research on a new product and proceed with licensure, even if additional research might have improved it further. This aspect of commercial realism is not always easy for research scientists to accept," Professor Paton said.

When it comes to being on the leading edge, Professor Paton and his team of researchers are very much in the forefront. His current research activities span a broad continuum, from basic research into the fundamental virulence mechanisms of bacteria, to the development of improved diagnostic, preventative and therapeutic strategies for the control of infectious diseases.

His work is funded principally by the National Health and Medical Research Council, the Australian Research Council and the UK Meningitis Research Foundation, along with industry sources. Professor Paton and his colleagues were also recipients of the \$100,000 Florey Medical Research Fund in 2002.

Their work with the pneumonia-causing bacterium *Streptococcus pneumoniae* has advanced to the point where the Adelaide team is now one of the leading research groups in the world. In Third World countries, *Streptococcus pneumoniae* is responsible for up to 25% of all deaths in children under five. Moreover, the prevalence of strains of this bacterium that are resistant to multiple antibiotics is increasing at an alarming rate.

With Third World countries in mind, Professor Paton said: "The drugs and vaccines currently being offered are too expensive and therefore cannot be deployed in the poorer countries. We are using the knowledge we are gaining of how the bacterium causes disease, coupled with state-of-the-art molecular biological techniques, to develop cheaper and more broadly effective vaccine formulations.

"We are also collaborating with industry to help get the new vaccines into the field."

Story by Howard Salkow

# Politics of power revealed in new book

Bringing South Australia's electricity supply back into public ownership should be a medium term objective, according to a new book edited by the executive director of the University of Adelaide's Centre for Labour Research, Mr John Spoehr.

*Power Politics: the electricity crisis and you* features Mr Spoehr and other leading commentators from around Australia examining how the State's electricity privatisation plans have ended in disaster—as well as how the public can keep costs down, and where the industry can go from here.

The book features contributions from the University of Adelaide's Ms Kathryn Davidson (Centre for Labour Research project officer) and Mr Chris Finn (Law School lecturer).

Mr Spoehr said *Power Politics* is the first comprehensive analysis of the reasons behind the privatisation of ETSA. It outlines what could be done—both politically and by the general public—to relieve pressure on a system that is not performing up to expectations.

"There were a lot of big promises made at the time of privatisation,

that it was something that we had to do—but as the book shows, the supposed financial benefits simply haven't eventuated," he said.

"The competition that was supposed to be in the marketplace is not there, and as a result the price of the average electricity bill went up 24 percent earlier this year."

*Power Politics* is not simply an exposé of the political machinations behind the State's electricity privatisation. It also contains practical information about how the general public can help keep electricity costs down, and its contributing authors use history to suggest what could be done long-term to rebuild the damaged system.

"If there's any silver lining to the dark cloud of privatisation, then it lies in people being made more aware of how to keep their electricity costs down, as well as highlighting



Mr John Spoehr  
Photo Ben Osborne

the need for environmentally friendly sources of power such as wind and solar," Mr Spoehr said.

"*Power Politics* argues the ideal electricity supply system should be economically viable, but also be efficient and environmentally sound—at this point in time it's none of these three things.

"The book provides a timely reminder that electricity supply in South Australia was originally a private concern, and that the Playford Government in 1946 was forced to take it over to ensure the balanced development and security of the state.

"History tells us that the industry may ultimately be returned to public ownership if the broader public interest is not met. *Power Politics* suggests that this outcome might come sooner than we think is possible."

Story by Ben Osborne

***Power Politics: the electricity crisis and you* is published by Wakefield Press, with assistance from the Don Dunstan Foundation at the University of Adelaide, and has a RRP of \$19.95.**

## Coming Events

### Tuesday, April 1

**12.30pm Henley Properties Tribute and Research Oration:** "Stem Cells - Medicine of the future" by Professor Peter Rathjen (Executive Dean, Faculty of Sciences). Queen Victoria Lecture Theatre, Women's & Children's Hospital. Bookings essential, ph 8161 7165 or email: [batese@wch.sa.gov.au](mailto:batese@wch.sa.gov.au)

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

### Wednesday, April 2

**12.30pm Clinical Nursing research seminar:** "Randomised controlled trial comparing manual anterior cardioversion with remote, anteroposterior cardioversion of atrial fibrillation using current biphasic defibrillation (a preliminary study)" by Aaron Farquharson. Room 36, level 3, Eleanor Harrald Building.

**1pm Geoscience Seminar:** "How and when did the continental crust form?" by Professor Rob Kerrich (University of Saskatchewan, Canada). Mawson Lecture Theatre.

### Thursday, April 3

**12.05pm Psychology seminar:** "Psychological aspects of adherence in cystic fibrosis patients" by Dr Lisa Kettler. Departmental Library, Rm 526, Hughes Building.

**7.30pm Australian Institute of Physics free public lecture:** "The Earliest Australians—A Physicist Visits Australia's Past" by Emeritus Professor John Prescott (Dept. of Physics and Mathematical Physics, University of Adelaide). Union Hall.

### Friday, April 4

**1.10pm Elder Hall Lunch Hour Concert Series:** Australian String Quartet with

guest artist Brett Dean. String Quintet in G major Op.111 by Brahms. Elder Hall. Tickets \$5 at door from 12.30pm.

### Monday, April 7

**12.30pm Colgate Centre seminar:** "Reflections on research" by Owen Makinson. Boardroom, Colgate Australian Clinical Dental Research Centre, 2nd Floor, Adelaide Dental Hospital, Frome Rd.

**1.10pm Law School seminar:** "What has a defendant's past - grim or great - got to do with procedural justice in the criminal trial?" by Associate-Professor Jill Hunter (UNSW). Rm 2.16, Ligertwood Building.

**1.10pm Department of History Seminar:** "War against Terrorism: the Musical" by Trevor Wilson (Professor Emeritus, Department of History). Room 420, Level Four, Napier Building.

**8pm Classical Association of South Australia:** "Suburban and Urban Villas

around Pompeii" by Geoff Adams. Council Room, 7th Floor, Wills Building.

### Tuesday, April 8

**1.10pm Student Workshop:** "The Art of Breathing". Counselling Centre, ground floor, Horace Lamb Building.

### Wednesday, April 9

**1pm Geoscience Seminar:** "Magma transport rates in subduction settings" by Dr John Foden (University of Adelaide). Venue: Mawson Lecture Theatre

**5.30pm Centre for Biomedical Engineering Seminar:** "Single photon detection in time-resolved transillumination imaging" by Setayesh Behin-ain. Hone Lecture Theatre, SG15, Ground Floor, Medical Building South.

### Thursday, April 10

**10.10am Electronic and Electrical Engineering Seminar:** "Capacity



# Striking new clock a timely addition

The main building at the University of Adelaide's historic Roseworthy Campus has a new face - a clock face, that is.

120 years after the Roseworthy building was completed, a clock has now been installed in the building as originally planned back in 1883.

Vice-Chancellor Professor James McWha officially opened the new clock recently at a ceremony at the Roseworthy Campus.

"When the architects designed the main building for what was to be Australia's first agricultural college, provision was made for a clock as a prominent feature," said project manager Mr Bernard Arnold.

The clock is a Swiss precision clock adjusted automatically by a global positioning system connected to Greenwich Mean Time, together with a bell.

Mr Arnold says the clock has been installed thanks to a gift by Roseworthy Old Collegian and retired farmer Mr James H. (Jim) Newland. Mr Newland graduated in 1935 and farmed near Naracoorte. Two of Mr Newland's sons also studied at the Roseworthy Agricultural College.



Bernard Arnold outside the Roseworthy Building with its new clock  
Photo David Ellis

"On display in his home Mr Newland had an art print of the Roseworthy building, and he was constantly reminded of the absent clock," Mr Arnold said. "Late last year he decided that he would make a gift of the clock to the University."

Unfortunately Mr Newland was unable to attend the opening ceremony due to ill health.

Story by David Ellis

## Graduate destination surveys to go online

The University of Adelaide, along with Macquarie and Deakin universities, is leading the way in gathering information from graduates by enabling them to complete Graduate Destination Surveys online.

"When the 2002 graduates receive their surveys, they have the choice of completing it online or manually. We are confident the majority will opt for the former," said Dr Don McMaster from the university's Office of Planning and Development. "This is the first time students will have this option."

Dr McMaster said the university values the material it receives from the surveys.

"The survey, which all Australian Universities send to their recent graduates, provides information that is of great benefit to the University, as it provides valuable feedback on what our graduates are doing this year and how they found their course of study. The information also helps plan courses for future students," he said.

Dr McMaster said the survey identified career paths chosen by students, their salary range, whether they were employed on a full or part-time basis and other relevant information.

"Response rates for the survey have been declining nationally and this initiative by the Graduate Careers Council of Australia, who conduct the survey, is seen by the University of Adelaide as a way of increasing response rates as well as providing an up-to-date service for its students," he said.

requirements for multi-rate traffic demand in a 3G mobile network" by Professor Reg Coutts, Khoa Van and Lumpini Chau. Room S112, Engineering South.

**12.05pm Psychology seminar:** "State-trait anxiety" by Professor Charles Spielberger. Departmental Library, Rm 526, Hughes Building.

**5pm Carmel Bacchi Book Launch:** *Fear of Food: a diary of mothering* will be launched by Carmel O'Loughlin, Director of the Office for the Status of Women and Dr Chris Beasley, Politics Department, University of Adelaide. Ira Raymond Exhibition Room, Barr Smith Library. Inquiries/RSVP to 8303 4064 by 8 April 2003

### Friday, April 11

**12.30pm Centre for Labour Research seminar:** "The legal regulation of flexible employment relationships: some issues relating to casual work" by Rosemary

Owens (Law School). 3rd Floor, 10 Pulteney St.

**1.10pm Elder Hall Lunch Hour Concert Series:** Match Percussion, featuring vibraphone and marimba, Daryl Pratt and Alison Eddington. Elder Hall. Tickets \$5 at door from 12.30pm.

### Saturday, April 12

**7pm Commerce 10-year Anniversary Dinner:** School of Commerce Alumni and partners. Formal dress. Hyatt Regency Ballroom, North Terrace. Tickets \$75 per head, or tables of 10 \$650. For more information, contact Alison Wood on (08) 8303 3306, or email [alison.wood@adelaide.edu.au](mailto:alison.wood@adelaide.edu.au)

### Monday, April 14

**11.10am Electronic and Electrical Engineering Seminar:** "Neural network and SVM-based classification via fusion of multispectral images" by Professor

Mingyi He, and "Development in SAR image processing and recognition" by Professor Jianshe Song (both from Northwestern Polytechnical University, Zian). Room S112, Engineering South.

### Wednesday, April 16

**12.30pm Clinical Nursing research seminar:** "Patients' perceptions of cardiac education prior to and following percutaneous transluminal coronary angioplasty (PTCA) and/or intracoronary stent" by Tina Jones. Rm 36, level 3 Eleanor Harrauld Building.

### Friday, April 18 (Good Friday)

**Note: no Lunch Hour concert.**

### Friday, April 25 (Anzac Day)

**Note: no Lunch Hour concert.**

### Monday, April 28

**12.30pm Colgate Centre seminar:**

"Burdens of oral disease and provision of dental care in Australia: seven myths" by John Spencer. Boardroom, Colgate Australian Clinical Dental Research Centre, 2nd Floor, Adelaide Dental Hospital, Frome Rd.

**1.10pm Law School seminar:** "Why good faith is not like motherhood: the case against good faith in contract" by Jeannie Paterson (Monash). Rm 2.16, Ligertwood Building.

### Tuesday, April 29

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

### Thursday, May 1

**10.10am Electrical and Electronic Engineering Seminar:** "An optimal design method for the whitened matched filter for MIMO" by Professor Langford B. White. Room S112, Engineering South.

# Top cop is new security head

A former senior South Australian police officer will oversee the introduction of new security measures at the University of Adelaide.

Chief Superintendent David Eason is the new Manager of Security Services at the university.

Formerly Officer in Charge of the Northern Operations Service Coordination branch of the South Australian Police, Mr Eason said he was looking forward to assisting the university as it commits itself to providing the best security system possible.

Mr Paul Duldig, Executive Director of Finance and Infrastructure, said Mr Eason's appointment tied in with "our very strong commitment to the safety and security of our students and staff at the university's four campuses".

"As announced in October last year, the university is implementing new security measures resulting from a three-month review.

"While the review found that the University of Adelaide has a good track record of security,

several recommendations for improvements have been made."

**These included:**

- freeing up of security officers from non-essential duties so that more officers are available "on the beat";
- installing more security cameras and alarms on campus;
- improving access control to all buildings;
- working with Adelaide City Council and South Australian Police on security issues in the grounds surrounding the University.

With 42 years in the police force, Mr Eason has a great deal of experience. His career has involved commanding large numbers of police, criminal investigative work, overseeing country areas, and coordinating resources throughout



David Eason  
Photo Howard Salkow

the northern operations of South Australia. He is highly respected by his former colleagues.

"I see huge potential [at the university] and I am looking forward to the challenge," Mr Eason said.

Story by Howard Salkow

## Business School review

The University of Adelaide community is invited to make submissions to the review of the Adelaide Graduate School of Business (AGSB), formerly known as the Graduate School of Management.

A Review Committee has been set up by the university to advise it on the AGSB's future development, based on the following assessments:

- the AGSB's international academic and professional standards;
- the university's current and long term strategies and priorities.

For more information, contact Planning and Reviews Officer Marie Reitano on (08) 8303 5511, or [marie.reitano@adelaide.edu.au](mailto:marie.reitano@adelaide.edu.au)

**The deadline for submissions is 5pm, Tuesday April 22, 2003.**

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# Adelaide wine takes on Portuguese flavour

The annual vintage for the student winemaking course at the Hickinbotham Roseworthy Wine Science Laboratory is currently in full swing—and it has a decidedly Portuguese taste, thanks to an Adelaide graduate.

This year's visiting winemaker is David Baverstock, who has spent more than 20 years working in Portugal after graduating in Oenology from Roseworthy in 1977.

Currently working for Herdade de Esporão in the Alentejo region of Portugal, Mr Baverstock won Portugal's Winemaker of the Year in 1999 and the Red Wine Trophy at the 1999 International Wine Challenge.

During his four-week visit, he has been lending a hand and advising students on various winemaking techniques. With more than 70

students making their own wines, several thousands of litres of ferments are beginning in various styles of both white and red wines.

Apart from helping with student winemaking, David will also be presenting a tasting of Portuguese wines from various regions, showing a range of different styles, and also highlighting the potential of Portuguese grape varieties. He will be making some presentations to staff and students as well as interacting with members of the Australian wine industry.



Visiting winemaker David Baverstock

His trip is sponsored by the Walter, Carew and Richard Reynell Fellowship, which is used to fund a visiting winemaker of high repute to the university each vintage.

Wine Industry Professor of Viticulture Steve Tyerman said Adelaide is already world renowned for the quality of education it provides to its winemaking graduates.

"Our reputation is further enhanced by our ability to attract visiting winemakers of such high calibre as David Baverstock to provide a unique learning experience for our students," he said.

"The Visiting Winemaker program is a highlight of the year for both staff and students and continues to enhance our international reputation."

## ATTENTION 1974 Medical Graduates!

Do you have any photographs of your student years?

Perhaps a hidden desire to organise a reunion or two?

Peter and Louise Flett are looking for photographs and memorabilia, particularly images of the Medical School and the Arcadia Meeting Room, to use in conjunction with a reunion scheduled for later this year.

Please contact Peter Flett at [flettp@wch.sa.gov.au](mailto:flettp@wch.sa.gov.au) if you have photographs and items to loan, or if you would like to assist with organising the event.

## 03 Alumni Events

### Commerce 10-Year Anniversary Dinner

**When:** 7pm Saturday, April 12  
**Where:** Hyatt Regency Ballroom, North Terrace, Adelaide  
**Who:** School of Commerce Alumni and partners  
**Cost:** \$75/head or for tables of ten \$650  
**Dress:** Formal  
**Contact:** Alison Wood at ACRD on (08) 8303 3306 or email [alison.wood@adelaide.edu.au](mailto:alison.wood@adelaide.edu.au)

### Commerce Professional Development Seminars

**Topic:** The ATO's New Audit Program  
**When:** 6pm Tuesday, April 15  
**Where:** Ground Floor, Security House, 223 North Terrace, Room 10a  
**Cost:** \$5  
**RSVP:** [toni.kennedy@adelaide.edu.au](mailto:toni.kennedy@adelaide.edu.au) with the subject line "Chapter Seminar One"

**Topic:** Changes to International Accounting Standards for 2004, presented by a Director of PricewaterhouseCoopers  
**When:** 6pm Tuesday, April 29  
**Where:** Ground Floor, Security House, 223 North Terrace, Room 10a  
**Cost:** \$5  
**RSVP:** [toni.kennedy@adelaide.edu.au](mailto:toni.kennedy@adelaide.edu.au) with the subject line "Chapter Seminar Two"

### Alumni Association Annual General Meeting

**When:** 5.30pm Tuesday, June 17  
**Where:** Equinox Café, Level 4, Union House, North Terrace campus  
**Description:** Further details will be included in the May Adelaidean and on the Alumni, Community Relations and Development website, [www.adelaide.edu.au/alumni/](http://www.adelaide.edu.au/alumni/)

### Notice of 30 Year Reunion

**30 Year Reunion (1973 graduates)**  
**When:** October 10, 2003.  
**Where:** The University of Adelaide

### Notice of 50 Year Reunion

**50 year Reunion (1953 graduates)**  
**When:** November 15, 2003  
**Where:** Adelaide Festival Centre  
**Contact:** Nada Racki at ACRD on ph (08) 8303 6536. or email [nada.racki@adelaide.edu.au](mailto:nada.racki@adelaide.edu.au)

For information on any Alumni events please contact the Alumni, Community Relations and Development office, telephone 8303 5800 or visit [www.adelaide.edu.au/alumni/](http://www.adelaide.edu.au/alumni/)

# Young talent on display in first evening concert

Performances by Adelaide's best young musicians and composers herald the start of the Elder School of Music's 2003 Evening Concert Series next month.



The Elder Conservatorium Symphony Orchestra, under the baton of resident conductor Keith Crellin, will perform works by Quentin Grant, Shostakovich and Sibelius at the concert on Saturday, May 10 at 8pm in Elder Hall.

The concert will open with the world premiere of a new work by Grant, who is one of Adelaide's best known young composers. He is currently undertaking a PhD in composition at the Elder School of Music, under the joint supervision of Elder Professor of Music Charles Bodman Rae, and one of Australia's best composers, Graeme Koehne.

This will be followed by Shostakovich's Cello Concerto No. 1, featuring soloist Pei-Sian Ng. Pei-Sian is currently studying for his Honours degree in Performance under Janis Laurs, and has won numerous awards and prizes in the last few years. He was the youngest semi-finalist and only Australian in the Hong Kong International Competition in 2001.

The second half of the concert will feature the Orchestra performing Sibelius' majestic and romantic Symphony No. 2 in D major (op. 43).



Keith Crellin (left) and Pei-Sian Ng (above) will both feature in the first Evening Series Concert  
Photos Michael Mullen

Patrons are advised to book tickets early to avoid disappointment. Tickets are \$22/\$14/\$8, and are available through BASS on 131 246.

For more information about the Evening Concert Series or to subscribe, phone (08) 8303 5925 or visit [www.music.adelaide.edu.au](http://www.music.adelaide.edu.au)

	<p>April 2003</p>	<p>101.5fm</p>	<p>radio.adelaide.edu.au</p>
<p><b>PUBLIC DOMAIN: ARUNDHATI ROY</b></p> <p><b>TERROR &amp; GLOBALISATION</b></p> <p>Indian author Arundhati Roy is the winner of the Booker prize for <i>The God of Small Things</i>; she's recently won the Lannan Award for Cultural Freedom and her latest, <i>Power Politics</i> is an impassioned critique of American influence.</p> <p>Hear her extremely relevant and important message...</p> <p><b>PUBLIC DOMAIN</b> SUN 13 APRIL 11.00 AM</p>	<p><b>MUSICA VIVA 2003 CONCERTS BEYOND WORDS</b></p> <p><b>SUBSCRIBE TO WIN!</b></p> <p>Subscribe (or renew) to Radio Adelaide in April 2003 for a chance at winning a Musica Viva</p> <p><b>DOUBLE A-RESERVE D.I.Y. PACK</b></p> <p>Choose 4 concerts from the 6 remaining in the 2003 Musica Viva session.</p> <p><b>VALUED AT OVER \$380!</b></p>		<p><i>New Series</i> <b>ASPECTS OF AGEING</b></p> <p>Aspects of Ageing comprises ten short radio programs, broadcast on community radio stations around Australia. Five programs focus in on older workers who choose to stay in the workforce. The remaining five hold the key to making retirement work for you.</p> <p>Produced by Raymond Zada and Tony Ryan</p> <p><b>ASPECTS OF AGEING</b> features on <b>EXPRESSO WEEKDAYS @ 7.30 AM APRIL 7-18</b></p>