

Adelaidean

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News from the University of Adelaide

July 2002

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what's wrong?**

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Weight loss a likely gain from exercise study

EXERCISING at particular times in the menstrual cycle could help women to lose more weight.

That's one of the initial discoveries made by University of Adelaide PhD student Leanne Redman, who is studying the little-known impact of the menstrual cycle on women's exercise.

Her work has already yielded some significant results.

Ms Redman is currently seeking women between the ages of 18-30 to volunteer for the last phase of her study, which is being conducted in the University's departments of Physiology and Obstetrics & Gynaecology.

The fluctuating hormones throughout the menstrual cycle are known to be associated with changes in women's energy metabolism and temperature regulation.

What isn't clear is how these hormonal changes affect women during exercise.

While some studies had already been conducted into the issue, the methods used in the past had been inconsistent and produced results that were difficult to interpret, Ms Redman said.

Instead, Ms Redman is using strict international criteria for her research, which hopes to produce a much clearer result.

Now in the third year of her PhD, the early results of her work indicate that the menstrual cycle does have an impact on women's exercise performance.

"Results from our initial studies suggest that exercise performance is improved during the later part of the menstrual cycle—that is, when circulating concentrations of ovarian hormones (oestrogen and progesterone) are high," Ms Redman said.

"Improved performance under these conditions was coupled with an increased metabolism of fat and decreased levels of fatigue, which were found to be related to resting oestrogen levels."

In fact, at the later menstrual phase, the hormones promote the use of fats as an

energy source to support exercise.

The use of fat in aerobic activity provides a more efficient delivery of energy. It also results in fewer waste products being produced which normally contribute to fatigue.

"The findings of my study have confirmed what many research groups have speculated—that exercise performance is affected by changing concentrations of menstrual cycle hormones in young women."

These findings are of international interest to sport scientists and physicians involved in prescribing exercise programs to women for sport, fitness or health.

"We have identified important information on the interaction between exercise and the menstrual cycle which will be critical to the design of exercise training programs and managing performance in athletic young women," said Ms Redman, who is also the project manager of the Department's Exercise Physiology Laboratory.

"According to our research, there would be clear benefits to women if their weight management programs, as well as providing a sound diet and lifestyle, took into account the physiological changes that occur during the menstrual cycle."

Ms Redman's study also has potential implications for future research in this area.

She recently presented some of her earlier work at the Annual Congress for the American College of Sport Medicine in St Louis, Missouri. Her research received much attention, and she was invited to visit two internationally renowned laboratories in Canada to discuss post-doctoral research opportunities.

Later this month Ms Redman will attend the annual meeting of the European College of Sport Science in Athens, Greece, again to present the results of two studies that form the basis of her PhD thesis.



Leanne Redman in the Exercise Physiology Laboratory. Photo: David Ellis.

WOMEN aged between 18-30 years are urged to volunteer for the next phase of Ms Redman's research.

This phase will look at the impact of synthetic hormones within the oral contraceptive pill on women's metabolism and exercise capacity.

"We need women who are already taking an oral contraceptive pill, are non-smokers and are physically active. That is, they exercise at least once a week," Ms Redman said.

"The project will involve changing to an oral contraceptive pill that will allow us to match each participant's results, and measuring their fitness on an exercise bike."

Participants will be paid a \$100 honorarium on completion of the study.

If you would like to get involved (and if you meet the above criteria) contact Leanne Redman by calling (08) 8303 4569, or send an email: leanne.redman@adelaide.edu.au



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COMMENT

THE UN AND INTERNATIONAL LAW AFTER SEPTEMBER 11

by Dr Anthony Burke
Department of Politics

Lit was an American, Beardsley Ruml, who said in 1945: "At the end of five years you will consider the United Nations the greatest vision ever realised by man. At the end of 10 years you will find doubts within yourself and all through the world. At the end of 50 years you will believe the United Nations cannot succeed. It will only be when the United Nations is 100 years old that we will know that the UN is the only alternative to the demolition of the world."

The United Nations is 57 years old this year, and we could be forgiven for thinking, as Ruml predicted, that the UN cannot possibly succeed. In the wake of September 11, the basic fabric of international law and cooperation is unravelling. We now stand at the abyss of a world in which international law and universal principles are mere footnotes to power, footnotes to a violence which the Bin Ladens, the Bushes, the Sharons and Howards insist is the only way to struggle and order the globe.

The US is in defiance of international law in its incarceration of Al Qaeda suspects in Cuba, giving them neither the status of prisoners of war or domestic criminal suspects. As such, they can be detained indefinitely without formal charge, in a kind of legal no-man's-land which contravenes both the Geneva Convention and the Universal Declaration of Human Rights. Similarly the new US military doctrine of pre-emptive strike, which may underpin a war on Iraq, directly contravenes the UN Charter.

Australia, the US and the ICC

The one ray of light on the horizon is the International Criminal Court (ICC), which will come into operation later this year. For the first time in human history there will be a standing international tribunal which can investigate and prosecute genocide, crimes against humanity, war crimes and aggression.

The ICC statute includes unprecedented new law. It makes rape and attacks on peacekeepers war crimes, along with military operations which cause disproportionate loss of civilian life. It establishes that crimes



Dr Anthony Burke. Photo: David Ellis.

against humanity can be planned and carried out not only by states but organisations, meaning that future terrorist attacks on civilians (such as those by Al Qaeda, Hamas or Islamic Jihad) could in theory be prosecuted. This is ironic given that both Israel and the US are opposed to the Court and prefer to use violence against terrorism rather than the moral deterrent of international law.

US pressure weakened many of the ICC's mechanisms during negotiations. Now the US refuses to ratify it and has even threatened to withdraw from international peacekeeping missions if their troops are not exempted from its jurisdiction.

As a result, the Court is far less independent than it might have been. Its power to initiate prosecutions is largely dependent on the permission of the UN Security Council (where the US, and notorious human rights abusers like China and Russia, hold veto

power). If the Security Council withholds support, prosecutions can only be initiated against the nationals of a ratifying state or if the offence occurred on the territory of a ratifying state. The Court will also only be able to act when it can verify that a state has failed to effectively prosecute the crime under its own laws.

The vocal opposition to the Court in the US and in the Howard Government is ludicrous, given how dependent on the cooperation of member states the Court will in reality be. Last month the Australian government decided to ratify the ICC, but has placed such strong caveats on our participation as to make it virtually worthless.

Australia has reserved the right to withdraw from the Treaty with 12 months notice, for the Commonwealth Attorney-General to veto the arrest or prosecution of suspects wanted by the Court, to exempt Australian defence force personnel from its jurisdiction,

and to interpret the offences of crimes against humanity, genocide and war crimes in accordance with Australian law (which contains few if any references to such crimes).

This is, in effect, a massive vote of no-confidence in the ICC and its statute. It is a form of international vandalism that will embolden every other rights-abusing state to follow our lead. The "understanding" offered by the Prime Minister of the Guantanamo Bay camps and the pre-emptive strike strategy lends further credibility to actions that undermine international law and universal values.

UN success and failure

There is a hypocrisy to this that has been a common feature of the UN's history. The US sought a UN Security Council resolution in support of its war on Afghanistan, and for a UN peacekeeping force to provide stability in Kabul. Yet it has limited the Security Council's response to the Israeli war in Palestine, and its adherence to the UN Charter is terribly selective.

Too often in the past, geopolitical game playing has hampered effective UN responses to crisis. When Vietnam invaded Cambodia in 1979, China, the US and Britain ensured that the UN seat remained with the Royalist coalition controlled by the murderous Khmer Rouge, which prevented the UN from providing humanitarian aid to a country ravaged by war and genocide.

In Bosnia, US indifference meant that the UN response was weak and slow. The Security Council set its peacekeeping forces a very difficult task, in the midst of ongoing conflict, with too few troops and a weak mandate. Too often they were forced to stand by helplessly while thousands were slaughtered.

In Rwanda, French and American delaying tactics saw the international community indirectly responsible for the deaths of hundreds of thousands of people while a tiny, impotent UN mission watched—knowing that had the Security Council responded to its requests for more troops quickly, much of the killing could have been prevented.

The UN Human Rights Commission is another notable failure.

Continued on Page 8

Lumen available now

LUMEN, the University of Adelaide's full-colour magazine, has a new look.

The magazine 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



Sciences Faculty gets new dean

ONE of Australia's most brilliant young scientists, Professor Peter Rathjen, has been appointed Executive Dean of the University of Adelaide's new Faculty of Sciences.

Aged 38, he is the youngest Executive Dean in the University's history.

A University of Adelaide graduate and former Rhodes Scholar, Professor Rathjen is currently the inaugural Head of the University's Department of Molecular Biosciences.

He has an international reputation in the molecular genetics of mammalian development, and his research on the control of stem cell differentiation has applications involving the development of new gene and cell therapies for human disease.

Professor Rathjen also brings to the position first-hand experience in the commercialisation of research through his significant involvement with local biotech company Bresagen.

In recognition of his scientific achievements, he was honoured with a Tall Poppy Award by the Australian Institute of Political Science in 2000.

Professor Rathjen takes over as Executive Dean from Professor Edwina Cornish, the University's Deputy Vice-Chancellor (Research), who has held the position in an acting capacity since February.

The Faculty of Sciences came into existence



Professor Peter Rathjen.

on January 1, 2002 through the merger of the Faculty of Science and Faculty of Agricultural and Natural Resource Sciences.

Professor Rathjen will be responsible for scientific education and research across the North Terrace, Roseworthy, Thebarton and Waite campuses.

"The reorganised Faculty has a crucial role to play in underpinning the economic revival of South Australia," Professor Rathjen said.

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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.

Deadline for next issue: July 25.

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\$12m rock-solid investment in geological research and training

GEOLOGICAL research and study in South Australia has received a major boost with the siting of a key government education and training centre at the University of Adelaide.

The University's successful bid for the Cooperative Research Centre for Landscape Environments and Mineral Exploration (LEME) and leadership of the Education and Training program, will attract more than \$12 million in Federal Government funding over the next five years. The bid was made by the Department of Geology and Geophysics in partnership with Primary Industries SA and the CSIRO.

The Department's deputy head, Dr Pat James, who has been appointed leader of the Education and Training program, said the funding would employ extra staff and support new research and training programs.

Four new lectureships have already been created, five additional postgraduate researchers have been taken on, and two new Honours scholarships created. Short courses (on campus and online) are planned to help update industry knowledge and skills, particularly in the area of geophysics.

Dr James said LEME would be working closely with the exploration industry and the Office of Minerals and Energy Resources at Primary Industries SA.

"The creation of a new School of Earth and Environmental Sciences at the University of Adelaide is fortuitous timing from our point of view," Dr James said. "There is a major industry focus now on the environmental application of earth sciences, and the Faculty restructure will create a much closer



Dr Pat James showing Level 1 students (from the introductory Earth Science course Planet Earth I) the finer points of the soil and regolith section from the Wheal Hughes Mine, near Moonta on the Yorke Peninsula.

relationship between the Department of Geology and Geophysics and the Department of Soil and Water."

LEME's principal research focus is on the topmost layer at the Earth's surface, the regolith, which masks valuable ore bodies underneath. By learning more about the regolith's evolution, researchers hope to be able to develop better exploration tools as well as better strategies

for combating environmental problems such as dryland salinity.

LEME will be a major participant in the annual Australian Geological Convention, Geoscience 2002, which takes place in Adelaide from 1-5 July. The keynote speaker on July 3 will be University Chancellor Mr Robert Champion de Crespigny AC, Chairman of the Economic Development Board of South Australia.

Have your say on changes to University Act

THE community is being offered the chance to comment on proposed changes to the University of Adelaide Act.

In a media statement released last month, the Minister for Employment, Training and Further Education, Dr Jane Lomax-Smith, said:

"The University of Adelaide is one of South Australia's foremost institutions, and for some time the University Council has been calling for a review of its management structures.

"I'm now releasing a discussion paper which sets out the proposed changes to the University of Adelaide Act and the community is invited to comment on the proposals until Friday the 19th of July, 2002."

Proposed changes include:

- bringing the Council membership into line with those of the other two universities in the State by making the chair of the Academic Board and the President of the Student Association ex officio members;
- better defining the University's functions and powers to reflect the current and emerging role in teaching, scholarship and research, and also its role in the social, cultural and economic welfare of the community;
- recognising the emerging role of the Alumni Association as the main graduate forum by abolishing the Senate;
- introducing stronger accountability measures for Council members and the student union;
- giving the University the power to dispose of land it owns freehold other than that vested by government gift or trust.

The discussion paper includes a number of other minor changes that will ensure the Act more realistically reflects the University's place in the contemporary community, Dr Lomax-Smith's statement said.

The proposed changes are also intended to remove existing anomalies and would result in each of the State's universities having a similar regulatory framework.



A Special Meeting of the Senate

- will be held at 5.30pm on Tuesday, July 9
- in Napier Lecture Theatre 102, Napier Building, North Terrace Campus
- to consider the Discussion Paper released by the Minister for Employment, Training and Further Education containing proposals by the University of Adelaide for amendment of the University of Adelaide Act 1971, including:
 - i) proposals relating to the abolition of the Senate; and
 - ii) proposals relating to the election of graduate members of the Council.

A copy of the Minister's discussion paper is available from: www.dete.sa.gov.au/new

Submissions will be considered before a request is made to Cabinet to amend the Act.

It is expected the Bill to amend the Act will be introduced during Parliament's spring session.

The Senate comprises (i) all graduates of the University; (ii) all postgraduate students; and (iii) all persons in the full-time employment of the University who are graduates of other universities recognised by the University or who hold qualifications recognised by the University as being of degree status.

The Notice Paper for this meeting will be sent to each member of the Senate whose name is listed on the postal address list. Any other member of the Senate who wishes to receive the notice paper may apply in writing to the Clerk of the Senate to have their name entered in the postal address list.

WM ROGERS
Warden of the Senate

The discussion paper is available from the Department of Education, Training and Employment, phone (08) 8226 3398, or online: www.dete.sa.gov.au/new/

NEWS IN BRIEF

Senior appointments announced

Professor Michael Innes will become the new Executive Dean for the Faculty of Humanities and Social Sciences on 29 July 2002. He is currently Professor of Psychology at Murdoch University, where he has also held the positions of Dean of Psychology as well as Director, Research and Development, and Director, Social Change and Social Equity Research, within the Division of Social Science, Humanities and Education.

Professor Derek Frewin will continue in his role of Executive Dean of the Faculty of Health Sciences to June 2005.

The new Director of the International Office is Mr Peter Ball, who will take up his appointment on July 15. He is currently Manager, International Relations, at the University of Wollongong, and previously worked with Australian Education International, based at the Australian High Commission in Kuala Lumpur.

Good Unis Guide

The University of Adelaide has again been named among Australia's top universities in the latest *Good Universities Guide*.

Compared with the other two South Australian universities, Adelaide comes out on top in almost every key category, with especially high marks for prestige, student demand, research, student-staff ratios, staff qualifications, international enrolments and gender balance.

Adelaide was listed among the seven most prestigious universities in the nation.

Sciences Faculty has new look

From this month, the Faculty of Sciences will be restructured into four Schools.

The new schools, and the departments they are comprised of, are:

School of Agriculture and Wine (Animal Science, Applied & Molecular Ecology, Plant Science, part of Agronomy & Farming Systems, and Horticulture, Viticulture & Oenology)

School of Earth and Environmental Sciences (Environmental Biology, Soil & Water, part of Agronomy & Farming Systems, Geology & Geophysics, and the National Centre for Petroleum Geology & Geophysics)

School of Chemistry and Physics (Chemistry, Physics & Mathematical Physics, and the Special Research Centre for the Subatomic Structure of Matter)

School of Biomedical Sciences (Molecular Biosciences, Physiology, and the ARC Special Research Centre in the Molecular Genetics of Development)

Although the changes take effect from July 1, it is expected that the transition to the new structure will be gradual.

Chancellor to give public lecture



University of Adelaide Chancellor Mr Robert Champion de Crespigny AC will deliver a free public address at the Adelaide Convention Centre on Wednesday, July 3 at 8.30am.

The title of the address is: "Sustainability in the Mining Industry".

The public lecture is part of the Australian Geological Convention, Geoscience 2002.

Law scholarship winner chooses career path in science, technology

A RAPIDLY growing area of law that is of major importance to the scientific community has been recognised in a scholarship from Norman Waterhouse, a leading Adelaide law firm.

The company has provided a \$5000 scholarship to an outstanding student who shows keen interest in intellectual property and technology law.

The winner of the scholarship is Devita Pathi, a final-year student studying for a double-degree in Science and Law at the University of Adelaide.

Devita has already graduated from a Bachelor of Science (Jurisprudence) and is now completing her Law degree.

Although originally thinking of both degrees as completely separate from each other, she soon realised that both could help her career in law.

"I really wanted to do law, and I really wanted to do it at Adelaide University, and I've always been interested in science—I mainly did science subjects in Year 12," Devita said.

"I decided that science would be a degree of interest, but law would be my career. I had no plans to combine the two—it was only when I studied intellectual property that I found I could combine the two fields of interest.

"Once I found out about intellectual property I decided I would major in genetics because I could use my knowledge of genetics in intellectual property a lot more than probably any other science area."

Devita's studies have seen her tackling some major issues in both law and science, including the issue of human cloning, contract problems with surrogate pregnancies, and whether or not the human genome should be patentable.

Each of these areas has its own legal, scientific and ethical questions.

Devita said she finds addressing these problems easier because of her interest in both science and law.

"There's an absolute need for the two to work together, and I think having studied both I can understand both sides a little better than someone who hadn't studied one of them," she said.

"I understand the importance of scientific research and the developments that are occurring, but I also understand the need to maintain the laws and to make sure they're not abrogated, because the changes in science are going to change the definitions in the current laws.



Devita Pathi, winner of the Norman Waterhouse Techlaw scholarship. Photo: David Ellis.

"Keeping all of that in balance, and addressing the ethical issues, is going to be hard, but that's one area that I would like to be involved in."

For now, Devita has her sights set on the University of Oregon in the US, where she'll spend the last six months of her studies to finish off her degree.

Devita is able to do this through the Law School's exchange program with Oregon, and she will use the Norman Waterhouse scholarship to help fund her trip in January next year.

"I'm going to Oregon purely because they have a wider range of intellectual property and technology law-related subjects. So I'm hoping to study them and get more of an insight into intellectual property in US law, because that is what is incorporated throughout the world, through the WIPO and TRIPS agreements, and other treatise.

"I'll finish here in November as per usual, and then I'll have about a month's break, and then I'll fly over to Oregon and start straight away.

"Having the opportunity to learn those subjects [available in Oregon] is too good to pass up," she said.

Devita said she was grateful to Norman

Waterhouse for the scholarship.

"I'm really honoured that they chose me, and I'm very pleased as well.

"I think it's a good idea that a firm like Norman Waterhouse funds a scholarship, because it provides a link between potential graduates and the profession. If the scholarship was solely funded by the University you wouldn't necessarily have that link.

"I also think it's good that they're looking to encourage an area of law that might not be so popular at the moment but will be growing. The fact that they're encouraging people to pursue those areas and giving them the incentive to do so is important."

Devita said when she completed her Law degree she would like to return to Australia and practise as a solicitor in the field of intellectual property and technology law.

"There are quite a few firms in Adelaide that practise intellectual property, and certainly more in the eastern States, but because we're a technology-dependent society it's going to become a growing field as more issues arise," she said.

—David Ellis

\$50,000 to support Adelaide student

AN Adelaide PhD student has been awarded a \$50,000 fellowship from the New York-based American Australian Association.

Dr Cuong Duy Tran, who recently completed his PhD in nutrition and gastroenterology at the Women's and Children's Hospital, is one of five Australians to share in \$200,000 worth of fellowships from the association.

The Fellows come from leading Australian universities—Western Australia, Sydney, Adelaide and ANU—and will all use their fellowships for graduate research in the United States.

Dr Tran will use his fellowship to pursue post-doctoral research at the University of Colorado Health Science Center.

In Colorado, he will study micronutrient supplementation and the gut health of indigenous Australians. He will also participate in designing potential therapies in improvement of gut function and health. Dr Tran hopes on his return to establish his own centre for micronutrient research.

Founded in 1948, the American Australian Association is the largest non-profit organisation in the United States devoted to relations between the US and Australia and New Zealand. Its goal is to encourage stronger ties across the Pacific, particularly in the private sector.

The fellowships have been funded through a series of annual benefit dinners that have honored prominent Australians in the United States and from direct donations to the Education Fund.

This year's awards are the first by the association to promote educational exchange between the United States and Australia, and strengthen science, technology and business relationships.

"The Fellows are representative of Australia's academic and cultural diversity and have a wide range of academic interests," said Mr Malcolm Binks, Chairman of the Association.

"We want to contribute to the growth of the intellectual capital of Australia by giving young Australians the opportunity to advance their knowledge in the US. They will be able to work with research facilities and mentors unavailable in Australia."

Dr Tran is one of those fellows who represents both the academic and cultural diversity of Australia. He and his family arrived in the country in the 1970s as boat people from Vietnam.

www.aaanyc.org

Sciences Faculty gets new dean

Continued from Page 2

"Fundamentally, I see its role as helping to reinvent the future. We must ensure that our scientists are conducting research that is relevant to the needs of the state, the nation and the international community to which we belong. We must also ensure that the education programs we offer meet the needs of students, industry and the wider community.

"The Faculty provides study opportunities in a range of new and emerging areas, including the space sciences and astrophysics, optics and photonics, agricultural and medical biotechnology, as well as other areas of crucial importance to Australia's future, such as medical biosciences, natural resource and environmental management, food production and the wine industry.

"We aim to achieve critical mass in these areas through a greater emphasis on partnerships—partnerships between Uni-

versity departments as well as with hospitals, industry, and other research agencies and institutions both here and overseas. These partnerships are critical to the creation of new industries and businesses based on the commercialisation of collaborative research efforts. And with these partnerships, the University is extremely well-placed to continue to play a leading role in the national research agenda."

Professor Rathjen said the recent announcement of the University of Adelaide's successful bid to host the Australian Centre for Plant Functional Genomics at the Waite Campus was a recognition of the depth of scientific talent in South Australia.

"A success such as this illustrates that we are serious about our role as leaders in scientific innovation. It also shows we are playing an active role in partnership with research colleagues and government in boosting the South Australian economy and creating jobs for our talented new graduates."

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Why our weapons buying system needs a drastic overhaul

THE Australian Defence Force's system of buying weapons is inefficient and contributes to mistakes that can cost millions of dollars in taxpayers' money, according to a University of Adelaide academic.

In a newly published book, Dr John Bruni argues for an overhaul of the current defence procurement system and the establishment within the Defence Force of a permanent core group of professionals to manage the acquisition of aircraft, naval vessels and other military hardware.

"Because of the career path structure within the Defence Force, people spend only two or three years working in defence procurement before moving on," said Dr Bruni, a Visiting Research Fellow in the University's Centre for Asian Studies and defence analyst.

"A major defence procurement project usually lasts up to 10 years, but we do not have the same personnel staying with a project from start to finish. People are being cycled through the process too fast.

"We are not getting the professional corporate skills base we need in an area where more than two billion dollars of taxpayers' money is being spent each year," he said.

"When people know that they can stay for 10-15 years, until a project is completed, a clear line of accountability is established.

"The defence industry is having to retrain Defence Force personnel constantly to bring them up to speed with projects and industry developments, so a more streamlined approach would also encourage closer collaboration with industry."

Dr Bruni's book, *On Weapons Decisions: How Australia Chooses to Arm Itself (1963-96)*, was launched by the Minister for Defence, Senator Robert Hill, at the Naval, Military and Air Force Club of South Australia last month.

In his book Dr Bruni identifies six key influences on Australia's weapons acquisition decisions: the political environment, the state of the domestic defence industry, the strategic environment, defence policy, the bureaucratic environment, and key technological events globally.

Dr Bruni said that controversy over the Collins Class submarines and, more recently, Seasprite helicopters had created public perceptions of "stuff-ups" in the defence acquisitions process.

"We have some very good people involved in procurement, but the problem is systemic," he said.

"It's also bipartisan, and has nothing to do with whether a Liberal or Labor government is in power.



Dr John Bruni (left) with the Defence Minister, Senator Robert Hill.

"The Collins Class submarine project was a good project in many ways. It employed many people and resulted in the completion of six submarines.

"The airframes of the Seasprite helicopters are 40 years old but that does not necessarily mean they will not be a viable concern.

"The problem is that when legitimate mistakes are made they can cost hundreds of millions of dollars to correct, and that

is a lot of money for a country with an economy the size of Australia's."

Senator Hill praised Dr Bruni for addressing these key issues in his book.

The launch was also attended by members of the defence industry.

On Weapons Decisions: How Australia Chooses to Arm Itself (1963-96) is published by Southern Highlands Publishers.

—John Drislane

International role for new VC



PROFESSOR James McWha, the next Vice-Chancellor of the University of Adelaide, has become Secretary General of the International Association of University Presidents (IAUP).

Professor McWha was announced as Secretary General-elect three years ago and has now taken up the position formally at the recent IAUP triennial conference in Sydney.

The IAUP, founded in 1964 in Oxford, England, is an association of university chief executives from higher education institutions around the world.

Its primary aim is to strengthen the international mission and quality of education of universities, to promote global awareness and competence as well as peace and international understanding through education.

According to the association's website, the overall obligation for the IAUP is to involve its members in the world's crucial issues, "to reduce the economic and social differences

between countries as well as between people, to reduce inequality between races and between sexes, to improve competence and knowledge globally and in distinct parts of the world, to increase mutual understanding, tolerance and respect between peoples, and to create instruments and form attitudes that can reduce conflicts in the world and contribute to a more peaceful global society".


The association has around 600 members consisting of current or former leaders of institutions of higher education. There are 14 Australian universities listed on the association's membership database, although the University of Adelaide is not currently among them.

Professor McWha's role of Secretary General is one of three senior positions with the association, the others being the President and Treasurer.

Later this month Professor McWha will leave Massey University in New Zealand, where he has been Vice-Chancellor for six years, to become the University of Adelaide's 19th Vice-Chancellor.

Ecstasy

Debussy's famous quote "There is no theory. Pleasure is the law" dominates the next concert in the ASO's Studio Series. It's all about sumptuousness, exoticism and ecstasy. This is music that is designed to take you out of the everyday and into your inner self. Toru Takemitsu's, beautiful and delicate music is very much in the spirit of Debussy and Ravel but goes further. Messiaen's famous L'Ascension is another a brilliant example of music that reaches an almost spiritual plain. This is a concert of exceptional music made even better by the presence of French conductor Emmanuel Plasson. *After Debussy. Granger Studio, 91 Hindley St, 8pm Saturday 10 August. Book at Bass on 131 246.*

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Students take a bite from the big Apple

TWO University of Adelaide students took their place among the worldwide computing elite recently after they received scholarships to attend a major Apple conference in the US.

Rhys Hill (Computer Science) and Paul Jager (Computer Systems) were two of only 16 Australian students selected to attend Apple's weeklong Worldwide Developers Conference (WWDC). The conference was held in the city of San José, California, in May.

The pair received their scholarships from the Apple University Consortium (AUC) in Australia by filling out a questionnaire about how they perceived their future in the computing industry. The AUC is funded from Apple sales in Australia and uses these funds to provide services to Australian Apple users.

The WWDC is Apple's major developer event of the year, with delegates learning about the latest Apple technologies and products directly from the company's software and hardware engineers.

The event boasts around 2500 attendees from all over the world, with around 300 of these being students.

The WWDC provides a forum for professional and academic programmers to meet Apple's engineering teams and learn about different technologies from their creators.

"It was thrilling to meet the people who are responsible for Apple's products," said Rhys. "It was a great learning experience."

He managed to make a worthwhile trip even more so by winning an Apple iBook as part of a lucky door prize competition, organised as part of the WWDC's student program.

Both Rhys and Paul will be speaking about their trip at an event to be held later this year.

—Ben Osborne



Computer students Paul Jager (left) and Rhys Hill. Photo: Ben Osborne.

New nursing head will focus on links with services, medicine

NURSING teaching and research at the University of Adelaide has received a boost with the appointment of Professor Alison Tierney as Head of the Department of Clinical Nursing.

Professor Tierney (pictured right), who is currently Professor of Nursing Research and Head of the Department of Nursing Studies at the University of Edinburgh, will arrive in Adelaide to take up the position in December.

She has a distinguished academic career, with the most recent highlight being awarded a CBE in the Queen's Birthday Honours list.

She told the *Adelaidean* her previous two visits to Adelaide as Visiting Professor had whetted her appetite for a longer stay.

"I greatly enjoyed my two visits to the Department of Clinical Nursing in recent years, and on both occasions, found it stimulating to be working with staff and students who are highly motivated and highly able, and also good fun," she said.

"The Department's conjoint arrangement with the Royal Adelaide Hospital, and the RAH's strong interest in nursing research and clinically focused education, are particular attractions to me.

"Strong, ongoing links between academic nursing departments and nursing services have been hard to build in the UK, although the importance of that fundamental partnership is now gaining real recognition."



Professor Tierney will also be Director of the Joanna Briggs Institute, a joint venture between the University and the RAH which looks at evidence-based research in nursing and midwifery.

She said the link between nursing and medicine is another crucial aspect to nursing research, and one she aims to promote in her new role.

"The fact that the Department of Clinical

Nursing is based in the Medical School is another attraction, having toiled hard in Edinburgh trying to strengthen the links between Nursing and Medicine," she said.

"So the structures are in place at Adelaide for Clinical Nursing to exploit opportunities between nursing and medical education and research—and, with the RAH and the Joanna Briggs Institute, to enhance the effectiveness and quality of clinical nursing."

Professor Tierney said great headway has been made in nursing research, particularly in the last 10 years.

"But there's still much scope to increasing nursing's research capacity and productivity," she said.

"And, on the education side, the Department of Clinical Nursing has plans for further developments, as well as consolidation of its impressive range of current provision, and I look forward to supporting that too.

"I certainly hope that I can help to channel the energies and expertise of the staff in ways which will maximise research productivity and impact.

"I hope, too, to provide support and guidance from my experience to educational developments in the Department, and with the RAH and colleagues in other departments and disciplines."

—Ben Osborne

Soar into space during holidays

EVER wanted to sleep in space? Or just need a robot to look after the kids?

The Investigator Science and Technology Centre is offering a range of fun, interactive and educational programs during school holidays in July.

A highlight will be a public Space Sleepover from Saturday, July 13 to Sunday, July 14. Suitable from ages 9-12 years, the Sleepover will give children a special overnight look at the Investigator's two current exhibitions, *Space* and *Zoom In*.

Fully supervised by experienced staff, the Sleepover includes dinner, breakfast and snacks, a workshop in Cyber Space, science shows and Stardome presentations. The cost is \$38.50 per child and booking is essential.

Two Vacation Care Days are also offered by the Investigator Centre.

Suitable for ages 9 and up, Vacation Care Days will be jam-packed with activities that have a science twist. Throughout the day children will learn about the stars, how to program robots, decorate a T-shirt using science and much more.

Bookings are essential and are available for Tuesday, July 9 or Tuesday, July 16 only, from 8.30am to 5.30pm.

The cost of \$50 per child (discount for members and family groups) includes supervision by a science presenter for the full day, lunch, morning and afternoon snacks, entry to the Investigator's *Space* and *Zoom In* exhibitions, robotics classes, materials for all activities including T-shirts to decorate, science shows and Stardome presentations.

For more information or to make a booking phone the Investigator Science and Technology Centre, Wayville: (08) 8410 1115.

The University of Adelaide is a sponsor of the Investigator Centre.

100 YEARS OF ECONOMICS

A CENTURY OF ACHIEVEMENT

THIS year marks a century of economics study and teaching at the University of Adelaide.

To celebrate the occasion, the University's School of Economics is holding a Centenary Dinner in September.

The event coincides with the presentation of the 49th Joseph Fisher Lecture, and the annual Australian Conference of Economists, also being held in Adelaide.

This is a doubly important year for the School of Economics, because the University is conducting a Review of the School, with the aim of evaluating its academic performance and advising on strategies for its future development.

Centenary Dinner

The Centenary Dinner will be held on Monday, September 30 at 7.30pm at the new National Wine Centre, in the south-east corner of Adelaide's Botanic Gardens.

All past and present economics and commerce staff, honours students, postgraduates and their partners are invited to join this unique celebration.

The price per head is just \$50 thanks to a generous subsidy from the School of Economics. Tables of up to 10 are available for bookings. Space is limited, so bookings must be made as soon as possible.

For more information contact Wendy Zweck at the Centre for International Economic Studies, phone (08) 8303 5672 or email: wendy.zweck@adelaide.edu.au

Mixed fortunes: the early days

THE FIRST 50 years of Economics at the University of Adelaide were far from uneventful.

The teaching of economics began at the turn of the 20th century, courtesy of the busy Sir William Mitchell, who during his classroom career also taught philosophy, psychology, logic, ethics, English language and literature, and education.

Economics began as a small part of the Bachelor of Arts course, with Mitchell giving up to four lectures a week (all at night) and being solely responsible for all teaching of the course until the appointment of a part-time lecturer in 1913.

Notable in those early years was the presentation of the very first Joseph Fisher Lecture in 1904. These lectures continue today and have featured some major names in the field of economics. [see story this page.]

During the period between the two World Wars, Economics at Adelaide gradually widened in scope and eventually received such status that, by 1928, the University decided to appoint its first professor in the subject.

Leslie Melville was just 27 years old and a recent graduate of the University of Sydney when he started as the inaugural Professor of Economics in 1929.

However, his stay was brief, as in 1931 he was appointed the first economist of the Commonwealth Bank, advising it during the Great Depression.

(The late, great Melville died only last April,

having also achieved his own milestone of reaching 100 years).

The Depression may have been the main reason why the University could not afford to replace Melville, and the chair remained empty until 1934.

The new professor was Edward Shann, who had held a similar position at the University of Western Australia.

Although an economics historian, Shann was more focused on Australian economics than any of his predecessors. Unfortunately he had only been at the University for one term when he died in mysterious circumstances—he was found dead after having fallen from the window of his first-floor office in the Mitchell Building, half an hour after giving his final lecture for that evening. The cause for his fall was unable to be determined; it was believed to be either an accident or suicide.

Shann's death was a tragedy, but 1935 was also important year for Economics at Adelaide for another reason—it was the first year in which a University student qualified for a Bachelor of Economics degree. That student was Gilbert Frederick Seaman.

It took another 12 years for the first Bachelor of Economics Honours degree to be awarded, to Noel Keith Vawser.

From 1945, Economics gradually became a fully fledged, continuously operating department.

This started with the appointment of Brian Tew in 1945, who held the chair for five

years, and was succeeded by Peter Karmel in 1950.

With a government funding boost and the appointment of Karmel as the new professor, the 1950s saw Economics transformed from a small-scale operation with only two or three teaching staff at any one time to resembling the bigger, more complex department of today.

In Karmel's era the school came to maturity, and many regarded Adelaide's Economics Department at that time to be the most lively and best in the nation. Many staff became leaders of other departments around the country.

In 1961 there were 14 members of staff at the rank of lecturer or above, excluding Professor Karmel. Eleven of those became professors around Australia, and the other three all took other senior positions, including Hugh Hudson who became Deputy Premier of South Australia.

This legacy remains today—the School of Economics, as it is now known, is still highly regarded. There are now three professors within the school, as well as adjunct professors, emeritus professors, and many staff who are known nationally and internationally for their expertise.

Taken from *The Teaching of Economics in the University of Adelaide 1900-1975 - A Brief History* by V.A. Edgeloe, and with the assistance of Professor Keith Hancock, who was a staff member during the Karmel era.

Fisher lecture

THE ROLE of natural resources in economic development is the topic of this year's Joseph Fisher Lecture, to be given by leading economist Ed Barbier.

Barbier is Professor with the Department of Economics and Finance at the University of Wyoming. An expert on economics and the environment, he has written several books on the topic and has been published extensively in academic and popular journals.

Professor Barbier has also served as a consultant for national, international and non-governmental agencies, including the United Nations and the World Bank.

Funds for the lecture series were donated to the University by prominent Adelaide businessman Joseph Fisher in 1903. Professor Barbier's lecture will be the 49th in the series, and will be held at 4.30pm in Napier Lecture Theatre 102 on Monday, September 30.

Professor Barbier will also be a keynote speaker at the Australian Conference of Economists in Adelaide.

Past lectures now available

All of the Fisher Lectures from 1904-2001 have been collected into two volumes and edited by Professor Kym Anderson, Director of the Centre for International Economic Studies.

The Joseph Fisher Lectures, 1904 to 2001 - Australia's Economy in its International Context can be prepaid/ordered for collection at the Centenary Dinner at a saving of one-third the normal price.

\$50 for the two-volume set or \$30 for one volume.

For more information contact Wendy Zweck on (08) 8303 5672, or email: wendy.zweck@adelaide.edu.au

Power, water among key issues for discussion at national economics conference in Adelaide

SOME of Australia's most crucial and hotly debated economics issues—from the price of electricity and water to the handing out of Commonwealth funding to the States—will be targeted by a national economics conference in Adelaide.

The annual Australian Conference of Economists, to be held at the Stamford Grand Hotel, Glenelg from September 30 to October 4, is expected to draw around 300 delegates from across Australia and overseas.

Organised by the Economic Society of Australia, the conference does not have a single theme but includes several specially themed sessions to address a wide range of issues of concern in Australia.

As well as sessions on the economics of electricity and water, issues include trade, the Japanese economy, the economics of wine, Islamic economics, fiscal equalisation, and a retrospective on microeconomic reform.

Professor Keith Hancock, President of the Economic Society of Australia (SA) and Honorary Visiting Fellow with the University of Adelaide's School of Economics, said the conference would cover "almost the full range of economic issues".

"The conference is wide in scope so that it has something of interest to many different people—academic economists, professional economists, and others who are interested in these issues, such as banks or government advisers," Professor Hancock said.

One of the keynote speakers is Professor of Economics at the University of California, Berkeley, Professor David Card, who is giving the opening address. A somewhat controversial figure, Professor Card is a winner of the American Economic Association's award for the most significant contribution by an economist under 40 years of age.



Professor Hancock (pictured above) said there was already strong interest in the conference, particularly in some of the special sessions.

Economics of Electricity

This session will deal with the various pricing structures for electricity under the government-established national electricity market. The main bone of contention is the lack of one pricing structure based on supply and demand; instead there are three different pricing structures, for generators of electricity, distributors, and users.

"The present system is a shambles, I think most objective observers would agree with that," Professor Hancock said.

"The normal justification for trading anything through the market is that the prices equate the supply and demand. But that doesn't happen in this electricity market, partly because it hasn't proved practical up to now. In the absence of it you've got a market that goes haywire."

Fiscal Equalisation

The way Commonwealth grants are adjusted to give one State more than another is also a controversial topic, and each State has its own point of view on who should be given more and why.

This session is sponsored by the Queensland State Government, which is obviously concerned enough with the debate to foster further discussion.

"There is a trend of opinion in support of giving less to Queensland, Tasmania and South Australia relative to New South Wales, Victoria and Western Australia," Professor Hancock said.

"Presently, Queensland, Tasmania and South Australia are the beneficiaries of this fiscal adjustment, and New South Wales, Victoria and Western Australia are paying for it. So it's quite a contest."

Economics of Water

"This is also a pretty hot one," Professor Hancock said.

"One of the major problems is what's happening with the River Murray. The question there is what adjustment is needed—a price adjustment or a regulatory one—so that the demand for river water is better adapted to the supply.

"Right now there is excess consumption of water because the full social and environmental cost of the use of it is not reflected in the prices that people (the irrigators) are paying for it.

"I'm hoping that some of the visiting speakers can shed some more light on this issue," he said.

For more information about the conference contact the organisers, phone (618) 8303 5717, or email: ecoconf@adelaide.edu.au

www.ecosco.org.au/conf/2002.html

Livestock conference tackles tough questions

HOW do we feed and clothe ourselves without it costing our environment? How do we manage 'a good life' for an animal that also means a good profit for the farmer?

These issues are at the heart of the 24th Australian Society of Animal Production (ASAP) conference, to be held in Adelaide from July 7-11.

The theme is "Finding the balance: profitability with responsibility".

To be held at the Adelaide Festival Centre, the conference also involves the International Society for Animal Hygiene.

The President of the ASAP is the Head of the Department of Animal Science at the University of Adelaide's Roseworthy Campus, Professor Phil Hynd.

He said the conference would address many of the big issues that some of the more specialist societies and conferences don't deal with. One of those issues is sustainability. Professor Hynd said the cost of past and current agricultural practices is indisputable.

"The cost to the environment is evident not only in biophysical deterioration, such as the cancerous growth of soil salinity, acidity and erosion and declining water quality, but also in the deterioration of our rural communities," he said.

"As we enter the new millennium we must address the environmental costs of our current practices and an increasingly urbanised population that has lost its sense of ownership of its role in creating unsustainable agricultural practices."

Professor Hynd will be joined by speakers from Australia and overseas examining related issues, such as trends and



opportunities in global food production, optimising environments for animal production, food safety and consumer concerns, and animal impact on the environment. There will also be a comprehensive update of research on topics including genetics, nutrition, decision support systems and sustainable animal production on saline land.

Leading researchers will be joined by ABC broadcaster Robyn Williams, who will speak on science and food production, and gourmet chef Maggie Beer, who will discuss niche marketing for the gourmet food industry.

Conference Convenor and Senior Lecturer in

Animal Science at Roseworthy Dr Dean Revell said the issue of balance was the all-important one.

"Our focus is on resolving the equation between good profits and good production methods," he said.

"Livestock systems need to be sustainable as well as profitable, but there are so many factors that are simply outside a producer's control.

"How we manage our production practices and our natural resources is crucial to environmental and economic survival," he said.

Dr Revell said the event had attracted a lot of

interest and offered "an opportunity to highlight the significant contribution Australian research is making to this field".

"Here in South Australia we have the Livestock Systems Alliance (LSA), a research partnership between the University of Adelaide, Primary Industries and Resources SA, the South Australian Research and Development Institute and the Primary Industries Faculty of the Murray Institute of TAFE. The LSA represents the largest gathering of animal science researchers in Australia and it is through those partnerships of researchers and industry that we will find the answers we need for future agricultural best practice," he said.

COMING EVENTS

July 2002

MONDAY, JULY 1

4pm Environmental Biology Seminar: "Macro to microscale regulation of food webs in large rivers" by Professor James Thorp (Kansas University). Benham Lecture Theatre, Benham Building.

THURSDAY, JULY 4

1pm Chemical Pathology Seminar: "Human Error and Error Analysis Techniques" by Dr Steve Keeley (Women's and Children's Hospital). Seminar Room 1, 4th Floor, Reiger Building.

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.

FRIDAY, JULY 5

4pm Obstetrics and Gynaecology Seminar: "Afferent stimulation induced motor cortex reorganisation" by Dr Mike Ridding (Department of Physiology). Seminar Room, 6th Floor, Medical School North.

WEDNESDAY, JULY 10

1pm Centre for the Molecular Genetics of Development/Molecular Biosciences Special Seminar: "The Neto protein family of novel neuronal receptors: role in neurodevelopment and inherited epilepsy" by Professor Roderick McInnes (University of Toronto). Benham Lecture Theatre.

5.30pm Centre for Biomedical Engineering Seminar: "Flight Control Using Biologically Inspired Sensors" by Dr Javaan Chahl (WSD, DSTO). Hone Lecture Theatre, Ground Floor, Medical Building South.

THURSDAY, JULY 11

7.45pm Field Geology Club of South Australia Lecture: "Clays as Environmental Barriers" by Dr Will Gates. Mawson Lecture Theatre.

SUNDAY, JULY 21

2.30pm Elder School of Music Concert: Capriccio Clarinet Choir (from Groningen, Holland). Elder Hall, Tickets: \$10/\$8 through BASS or at door.

THURSDAY, JULY 25

1pm Chemical Pathology Seminar: "Use of DNA Evidence in Legal Trials" by Wendy Abraham (Department of Public Prosecutions). Seminar Room 1, 4th Floor, Reiger Building.

FRIDAY, JULY 26

4pm Obstetrics and Gynaecology Seminar: "Cerebral vasospasm and Pre-eclampsia" by Professor Guy Ludbrook (Department of Anaesthesia and Intensive Care, RAH). Seminar Room, 6th Floor, Medical School North.

SUNDAY, JULY 28

Field Geology Club of South Australia half-day excursion: "Art Gallery - Science, Explorers and Technology of Painting" by Joan Allister.

TUESDAY, JULY 30

7.30pm Musicological Society of Australia SA Chapter Seminar: Title to be announced, by Gemma Munro (2001 Naomi Cumming Prizewinner). Room 1107, Level 11, Schulz Building.

WEDNESDAY, JULY 31

10.10am Electrical and Electronic Engineering Seminar: "The Fall of the ICT Industry - Why and Where to go?" by Professor Reg Coutts (Electrical and Electronic Engineering). Room S112, Engineering South Building.

1pm Environmental Biology Seminar: "Allometric studies in mammalian metabolism and the energetics and biophysics of burrowing" by Craig White (Environmental Biology). Lecture Theatre G03, Ground Floor, Napier Building.

COMMENT: United Nations after Sept 11

From Page 2

It meets too seldom and briefly, lacks resources and independence, and has no powers of investigation or enforcement. The UN High Commissioner for Human Rights, Mary Robinson, has been a wonderful figurehead, but it is very sad that, when explaining her decision to resign, she said that she could achieve more "outside of the constraints that a multilateral organisation inevitably imposes".

Yet where the international community has the will to implement international law and save lives, there have been successes. In 1992 a negotiated end to the Cambodian conflict was achieved and a radical new concept of UN action—peacekeeping with nation building—was tried.

In East Timor in 1999, the UN was called upon to take on a similar role, initially again after its observer mission was given too weak a mandate to provide security. However, once the referendum occurred the UN Security Council authorised the fastest peace enforcement operation ever, and then took on a difficult governance operation.

The world's garbageman

Many of the UN's problems derive from the way we call on it to respond to the failures of its member states—to look after the refugees produced by conflict and repression, provide aid for famine victims, or restore government structures in cases where warfare and great power game playing has destroyed them. Yet we fail to provide it with adequate resources and support. We treat the UN like the world's garbageman.

One notorious case was the recent UN report that revealed peacekeepers, local staff of the UN High Commission for Refugees (UNHCR) and other aid agencies had been coercing young refugees in West Africa into providing sex for food.

An ABC *Foreign Correspondent* program, about a camp in Guinea, also showed how a vital food shipment was diverted to

Afghanistan, adding to the pressure on refugee women. It was clear from this program that the UN's supervisory presence on the ground was minimal. This is an area the UN must improve.

In Afghanistan, the US drove the conduct of the war, but expects the UN to feed and shelter refugees, and called on UN diplomats to help construct a working coalition government.

The US and Britain refuse to provide troops for a larger peacekeeping force that can provide security outside Kabul. Security and human rights cannot be guaranteed in a climate where former Taliban warlords like Malim Jan, whose past role included the repression of Hazara villages, are being paid by the US military to provide "security" on the border with Pakistan.

In the Pacific, Australia's blatant disregard for international human rights law has forced the UNHCR to take on responsibility for processing refugees on Nauru. I believe that the recent decision by the UNHCR to deny refugee status to most of the Afghans there is premature, given that there is no stable government or international peacekeeping force in Afghanistan and little genuine security. The problem is that the definition of "refugee" under the 1951 Convention is too narrow, being limited to a fear of persecution rather than generalised chaos, famine or insecurity.

The UN does need to reform and streamline its bureaucracy, and improve its discipline and administration.

However, there is an urgent need to defend it as a concept and an organisation, along with the structure of international law which underpins its work.

The abyss is opening before us. We must support the United Nations because it is "the only alternative to the demolition of the world", because it stands between us and a world in which naked power is the only truth, in which love and justice are empty, nostalgic words, clumps of soil beside an open grave.

Norfolk Islander to teach threatened language in school

THE FIGHT to revive Norfolk Island's indigenous language has received another boost from the University of Adelaide—but this time through an island native.

Ms Suzanne Evans, a schoolteacher on the island, completed a Graduate Certificate in Applied Linguistics under Head of Linguistics, Professor Peter Mühlhäusler, during the first Semester of 2002.

She has since returned to Norfolk's sole school to add the Pitcairn-Norfolk language to the curriculum and help it propagate through the latest generation of islanders.

The language dates back more than 200 years, when mutineers from *The Bounty* founded a new community on Pitcairn Island in 1790, which transferred to Norfolk Island in 1854.

Professor Mühlhäusler, internationally regarded for his work in Pacific Island languages, has been visiting Norfolk since 1997 to work with locals to try and halt the language's decline (only about 500 islanders speak the traditional form of Pitcairn-Norfolk, out of a population of 2000).

He said it was an important step for a local schoolteacher to become directly involved in the revitalisation process.

"It's part of the overall plan for the Government to give the language official recognition," he said.

"To set up a language revival program associated with that, you need to have the school involved, and Suzanne is a big part of

that. I'm very confident that children on Norfolk will now have much easier access to the language through her work at the school."

Before returning to Norfolk, Ms Evans spoke with the *Adelaidean*.

She said her first task was to prepare a syllabus for use at the school, which caters for 300 students from Reception to Year 12.

"Studying at Adelaide opened my eyes and helped me look at new ways of doing things," she said.

"The lecturers have been great, and the other graduate students have been really helpful as well."

Ms Evans studied at Adelaide with the assistance of a grant from the Australian Research Council.

—Ben Osborne



Suzanne Evans with Linguistics Professor Peter Mühlhäusler. Photo: Ben Osborne.

Roseworthy Farm undergoes 'fitness test'

ROSEWORTHY Farm, the commercial operation of the University of Adelaide's Roseworthy Campus, is being put through something of a fitness test by incoming Assistant Farm Manager Matthew Bekker.

Mr Bekker, who joined the staff in May, says he has hit the ground running to learn about the Farm's varied operations and develop plans to improve both yields and the educational support function the Farm serves for undergraduate and postgraduate students of agricultural sciences.

"One of our priorities is to further develop the Farm as an environment in which students can gain first-hand experience of best practice as well as current research and theory," said Mr Bekker.

"Our ongoing commitment to improving commercial performance is very much part of offering that exposure to students."

Mr Bekker brings extensive experience in beef feedlot and dairy management to his new role, which will focus on the daily management of the physical production activities of the Farm, including the dairy, piggery, deer, sheep, fine wool flock and a wide range of cropping enterprises, such as durum and bread wheat, malt and feed barley, canola, lentils, beans, peas and vetch.

Amongst Mr Bekker's tasks will be the introduction of new technology for paddock management.

The Paddock Action Manager 2000 system, a management information system based on the use of palm pilot computers in the field, is about to be implemented on the Farm.

Another task includes working with research and teaching staff on the

assessment of pasture varieties for grazing.

Farm Manager, Andrew Polkinghorne said he was very pleased to have Matthew on the team. "His skills complement the team and will enable us to focus on providing better opportunities to students here and on improving our animal enterprises," he said.

"Roseworthy has a century old tradition of innovation that is very strong," said Mr Polkinghorne.

"We can see the results of applying new techniques here on the farm every day.

"For example, the recent wild storms in the region took away a lot of topsoil from some farming areas, but Roseworthy Farm is using no-till technology and our topsoil stayed put.

"We work closely with industry to develop systems and methods that provide significant benefits."

Mr Bekker said his role would be 80% outdoors and he is keen to work with staff at the Campus, reviewing and developing operations that continued to support research.

One example is the Roseworthy dairy. "30% of Roseworthy's milking herd is classified in the top 20% of the Australian registered Holstein herd," said Mr Bekker.

"That's a great genetic base to work with.

"We are also looking at pasture-based versus lot-based feed systems and in crop management there are options such as spray technology and 'controlled traffic' to be explored.

"It's access to, and participation in, projects such as these that underpins the great reputation of both the Campus and graduates at Roseworthy."

—Lee Welch

Irrigation Officer

VPS-2/3, Irymple, Mildura

Position No: 519791

The Department of Natural Resources and Environment (NRE) works in partnership with the community to manage Victoria's land, water and living resources.

NRE is a leading employer in rural and regional Victoria with another exciting regional opportunity available in Irymple, Mildura for an Irrigation Officer. The successful applicant will be involved in conducting extension programs through case management, participatory approaches and provision of technical information aimed at accelerating adoption of improved irrigation and drainage management and water use efficiency.

The successful applicant must be able to demonstrate skills in:

- plant water relations in the agricultural context, irrigation systems and scheduling;
- hydrogeological systems and their role in ecological degradation in the Murray Mallee riverine regions;
- extension services and project management;
- oral and written communication;
- interpersonal and group facilitation; and
- media and communication.

The successful applicant should hold an appropriate degree in science, agricultural science or equivalent qualifications and/or experience.

For further information contact Maxine Schache on telephone (03) 5051 4500.

For a position description please download this from www.vic.bigredsky.com, telephone (03) 5833 5924 (recording service) or e-mail this to nickole.james@nre.vic.gov.au. Please make sure you advise the particular classification in which you are interested.

This role is a fixed term position for a period of three years.

The successful incumbent will be appointed to either the VPS-2 or VPS-3 classification based on an assessment against the key selection criteria for each classification.

The salary ranges for this VPS-2/3 position are VPS-2 \$30,762 - \$43,579 and VPS-3 \$41,015 - \$56,397.

Please send four copies of your application (unless e-mailed) clearly addressing the Key Selection Criteria and quoting position number 519791 and indicating the classification for which you are applying (VPS-2 or VPS-3)

to: Kerri Wellman, Human Resources Officer, NRE, Private Bag 1, Ferguson Road, Tatura VIC 3616, facsimile on (03) 5833 5388 or e-mail kerri.wellman@nre.vic.gov.au

Applications close Friday, 12 July 2002.

Find information about NRE on the Internet at www.nre.vic.gov.au



Challenging perceptions of Islam

ISLAM has been in the spotlight since the terrorist attacks on September 11. Now a new course at the University of Adelaide aims to dispel some common myths about Islam.

"Questioning Western Perceptions of Islam" is being run in August as part of the Community Course Program offered by the Centre for Professional and Continuing Education.

The four-week course is presented by Dr Arthur Saniotis, an anthropologist with extensive experience in Islam and Muslim cultures. Dr Saniotis has conducted field work in North India where he explored the mystical practices of Indian Sufis. He has also been closely associated with Muslim and Middle-Eastern cultures over many years.

"The events of September 11th had a profound impact on the world and re-ignited negative Western assumptions of Muslims," he said.

"A major aim of this course will be to challenge misconceptions of Islam and Muslims in general, and to give an informed understanding of Islam and its relationship with the West. By drawing from historical and anthropological sources, this course will offer the participants an opportunity to question taken-for-granted notions of 'otherness' and how they are often conveyed in xenophobia and intolerance."

Dr Saniotis said that by the end of the course, participants will not just have gained an insight into Islam.

"The knowledge gained in this course will also provide conceptual tools for examining the causes and constructions of xenophobic attitudes and ethnic and religious intolerance," he said.

Places are limited and bookings are necessary. For more information about this or other Community Courses on offer, contact Professional and Continuing Education, phone (08) 8303 4777, or email: pce@adelaide.edu.au

www.adelaide.edu.au/pce/



Your chance to hear why these music students are multi-award-winners

THE TALENTS of two award-winning students will be on show during the second concert in the Elder School of Music's Evening Concert Series on Saturday, July 27 in Elder Hall at 8.00pm.

The Elder Conservatorium Chamber Orchestra, under the baton of Keith Crellin, will bring to life a new work, *A Festive Overture*, by third year Composition student Anne Cawrse.

Anne has been a popular and worthy recipient of a number of the School's composition awards, including the Ruby Davy Prize for Composition and the Brewster Jones Prize.

Also in the program is outstanding cellist Pei-Sian Ng, who will be the soloist in Haydn's *Cello Concerto in C major*.

Pei-Sian, a current third-year Performance student studying with Janis Laurs, has won numerous awards over the last few years.

These include the John Simmers Strings Prize, a beneficiary of the E.V. Llewellyn Memorial Fund and a finalist in the strings section of last year's prestigious ABC Young Performer's Awards in Sydney.

Notably, Pei-Sian was the youngest semi-finalist and only Australian in the Hong Kong International Competition last year.

The Orchestra will also perform Mozart's *Symphony No 29 in A major K.201*, which will complete a superb and challenging program of chamber works.



Cellist Pei-Sian Ng.



Composer Anne Cawrse.

Elder School's Evening Concert Series

Tickets: \$22 Adult/\$14 Concession/\$8 Student.

Single tickets are available through BASS on 131 246.

To subscribe contact Helen Simpson, Coordinator of the Evening Concert Series, on (08) 8303 5925 (Tues & Thurs) or mobile: 0402 120 478.

Subscribe to at least four concerts in the season to receive free parking on campus.

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

Clarinet choirs to combine



ELDER School of Music students will have the chance for a rare collaboration with renowned European performers with the upcoming visit and concert of the Capriccio Clarinet Choir from the Netherlands.

The Capriccio choir is a long-established community ensemble of 32 musicians from the north of the country, and under conductor John de Beer, has toured extensively in Europe.

It is embarking on its first Australian tour in July, with performances in Queensland, New South Wales and Victoria prior to its arrival in South Australia.

The choir will combine with Elder School students for its only Adelaide concert, on Sunday, July 21, at 2.30pm in Elder Hall.

The links between Capriccio and the Elder School began in 1999, when now retired Senior Lecturer in Clarinet David Shephard (pictured above) conducted and played with Capriccio in Wales, when it was on exchange with the North Wales Clarinet Choir.

As a direct result, the Adelaide Clarinet Choir was launched in 2000.

The combination of the two choirs for the concert will result in a wide range of different types and sizes of clarinets being used, creating a broad spectrum of tone.

Many different styles of music will be presented in the concert, including original compositions as well as arrangements.

Tickets, at \$10/\$8, and are available at BASS or at the door.

ASQ interlude

ANOTHER guest artist, Perth-born Catherine McCorkill, will join the Australian String Quartet for their second stunning program of music for 2002, *Lyrical Interlude*.

The ASQ, quartet in residence at the University of Adelaide, has enlisted McCorkill for one of Mozart's finest pieces. A renowned clarinetist, McCorkill takes the stage with the ASQ for Mozart's *Quintet for Clarinet and Strings in A, K581*, into which he poured all his powers of invention.

Also on the program are Schumann's romantic third quartet, *String Quartet no 3 in A op 41/3*, and 20th century composer Anton Webern's amazing *Six Bagatelles*—only one of which is longer than 60 seconds! Webern revolutionised quartet music, inventing musical sounds and ways of playing hardly believed possible before his time. His music is something that should be experienced live.

Lyrical Interlude

Adelaide Town Hall

Monday, July 8, 7pm

Tickets \$38 full, \$27 conc, \$15 student

Book at BASS 131 246 or online
www.bass.net.au

ALUMNI NEWS

Chief Minister to host celebrations for new alumni chapter

THE FIFTH international chapter of the University of Adelaide Alumni Association will be launched this month in Sarawak, Malaysia.

The new chapter is the Sarawak Alumni of the University of Adelaide.

Malaysian alumni now have access to two chapters, the other being the Adelaide University Alumni Malaysia Bhd, based in Kuala Lumpur.

The Chief Minister of Sarawak, YAB Datuk Patinggi Tan Sri Dr Haji Abdul Taib Mahmud, is hosting celebrations to mark the launch of the Sarawak chapter.

The celebrations will include a Launching Ceremony followed by a Fund Raising Dinner.

Invited guests include the Australian High Commissioner to Malaysia, members of the Malaysian Government and the Vice-Chancellor of the University of Adelaide.

Alumni from all over the world are invited to join the festivities.

Damai Lagoon Holiday Inn in the city of Kuching, Sarawak will play host to the occasion on Saturday, July 13.

For further information or to register your interest in attending, please contact the Chapter's Honorary Secretary Mr Rodger Chan Siong Boh via email: sau@netinc.net.my

Chief Minister provides new scholarship

A scholarship has been established for

Malaysian students thanks to the generosity of the Chief Minister of Sarawak.

The Adelaide Sarawak Alumni Scholarship has been established in recognition of the Chief Minister's commitment to education and to the development of bilateral relations between Australia and Malaysia, for which he was formally recognised earlier this year by being awarded the title of Honorary Officer in the Order of Australia.

Having himself studied at the University of Adelaide as a Colombo Plan Scholar, the Chief Minister's commitment to the promotion of accessible quality education is exemplified through this scholarship.

The Board of the Alumni Association and the members present at last month's Alumni Association Annual General Meeting unanimously approved the establishment of the scholarship.

The first scholarship is expected to be offered at the end of this year, to be awarded to an international student commencing studies at the University of Adelaide in 2003, pending Council approval.

Scholarships for international students are unique in that all students are eligible and no application process is necessary.

Instead, eligibility is conditional only on acceptance to the University and students are selected on their academic merit alone.

For more information contact the Adelaide Graduate Centre on (618) 8303 3506.



The upcoming launch of the University's new alumni chapter has been big news in Malaysia.

Grants now available for International Alumni Convention

International alumni wishing to attend the Australian Universities International Alumni Convention 2002 in Melbourne can now apply for a grant to offset their expenses under the Australian Universities International Alumni Convention Grant Scheme.

The grant scheme has been established as a result of the generosity of the Chief Minister of Sarawak, who has been a strong supporter of the convention since its inception. The deadline for applications is July 12.

For more information or an application form, contact Ms Rosslyn Cox on (618) 8303 3692 or email: rosslyn.cox@adelaide.edu.au

New Alumni Board members

The Alumni Association welcomes Mr Sathish Dasan (John Bray Law Chapter) and Mr Peter Neuhaus (MBA Alumni Association) as new members on its Alumni Board. Both alumni have considerable experience in supporting the Alumni Association through their respective chapters.

Do you live in Victoria?

Many alumni from the University of Adelaide move to the eastern states upon graduation. To date the University has more than 1000 alumni in Victoria. As this number continues to grow, alumni residing in Victoria have expressed interest in establishing an alumni network.

The Alumni and Community Relations office is currently compiling a list of alumni who are interested in participating in this network. If you are interested, we would like to hear from you.

For more information contact Ms Joan Soon on (08) 8303 3317 or email: joan.soon@adelaide.edu.au

Commerce Chapter Launch

Due to unforeseen circumstances the launch of the Commerce Chapter has been rescheduled for Tuesday, July 23. The launch will be held at EDS Australia, 108 North Terrace, Adelaide, with arrival at 5.30pm for 6pm.

Bookings are essential. Please register your interest in attending by contacting Joan Soon at the Alumni and Community Relations office at (618) 8303 3317 or joan.soon@adelaide.edu.au before July 15.

Lawyer hits new heights with stage production

LAW graduate Rob Croser leads a dual life.

Croser, who graduated from the University of Adelaide in 1971, is one of the most experienced children's solicitors in Australia. He has spent 30 years at the Adelaide Children's (now Youth) Court as legal representative of children in child protection proceedings, and has advised government in South Australia and Tasmania on child protection legislation.

He is also widely respected as a theatre director and dramatist, founder and artistic director of Adelaide's leading pro-am theatre company, Independent Theatre.

Since its inception in 1983, under Croser's direction, Independent Theatre has produced three plays every year, including traditional and contemporary classics and many State, Australian and even world premieres, of international and Australian works.

Croser has also created his own stage adaptations, including Greek tragedy (*The Blood of Agamemnon*); Shakespeare (*Cry God for Harry!*) and the letters, papers and court transcripts relating to Oscar Wilde (*Judging Oscar*). Perhaps his greatest triumph to date was *East of Eden*, performed in 1998 at the Festival Centre (now the Dunstan) Playhouse, with the approval of the Steinbeck estate and Steinbeck's widow Elaine ("John would be pleased with the way you have dramatised *East of Eden*," she commented.)

A new stage dramatisation of the Emily Bronte classic *Wuthering Heights* is the latest step in Rob Croser's impressive dual career.

True to his love and respect for original texts, Croser's dramatisation encompasses the whole of *Wuthering Heights*. The best-known film



Rob Croser.

version, with Lawrence Olivier, stopped short at Cathy's death, reducing the literary masterpiece to a gothic romance. In Croser's view, while the romance is central to the story and the characters, the death of the heroine is only the beginning of the real story.

"If you've only seen the film, you've only seen half the story," he said.

"And what a story it is! So much more than a gothic romance. The more I delve into the original text, the more I am dazzled by the profound truths of human psychology which are right there, in a book written 150 years ago

in the geographic and social isolation of the 19th century Yorkshire moors.

"In part, *Wuthering Heights* attracted me because its underlying themes of obsession and repression, vengeance and retribution are still so frighteningly relevant today.

"In my working life I see only too often the tragic legacy of oppression and cruelty," he said, "and around the world today we can see what happens when the desire to right wrongs turns into the need for revenge and retribution."

Croser has assembled an impressive cast to bring *Wuthering Heights* to the stage, including Independent Theatre ensemble members and current University of Adelaide undergraduates Joe Hynes and Lyn Wilson.

Joe is in his third year of a Bachelor of International Studies, while Lyn has deferred her Bachelor of Wine Marketing this year until her son finishes kindergarten. While she misses her studies, Lyn is keeping busy learning her lines for Ellen (Nellie) Dean, whose life is interwoven with the loves and torments of Heathcliff (played by former Adelaide boy, NIDA graduate and *Neighbours* cast member Nicholas Opolski) and Cathy.

Wuthering Heights

Odeon Theatre, Queen Street, Norwood
Saturday, July 27 to Saturday, August 10
(Tuesdays to Saturdays) 7.30pm
Tuesday, July 30: 6.30pm (two for the price of one adult ticket)
Saturday, August 3: 2pm & 7.30pm
\$25 / \$20 Book at BASS 131 246
For group prices and more information phone Independent Theatre on 8411 6661

radio.adelaide.edu.au

July 2002

BUY Radio Adelaide 101.5 FM

30 Special programs throughout July to mark 30 years of innovative community broadcasting including

The about of a radio serial - locally written, locally produced

Get It, Got It, Good!
weekdays @ 7.45am-8.45pm
Bounding through life with the greatest of ease, Bryan Pantes has youthful exuberance, a questionable dress sense and a never ending supply of Mum's home cooked dinners. He's just landed a job as a reporter for Get With It, Australia's most influential news & commentary web site. A board of directors guide him to the stories he writes - but who are they, and what is their agenda?

Thrust into bizarre situations, Bryan charms and confounds everyone and everything he encounters. Along the way, he's assisted by mysterious colleague Jenkins, his paranormal cat Munamunam and, of course, his Mum.

Live and Out There!
After thirty years it's time to disp...lay that old adage 'a good face for radio', so we're taking our broadcast box and microphones where you are. No Black Thunders for us - our radio Gods and Goddesses travel light and take you to some of Adelaide's more interesting venues.

Adelaide's NAIDOC celebrations
from Elder Park, Friday July 12
on air 1-2pm and spinning deadly music in the park all afternoon

Student Radio from MUSIC HOUSE
Saturday July 6 from 9pm with live bands
STR, enemy of? & Lapdogs

it's only the beginning
more details on our website radio.adelaide.edu.au

Powering Up is our campaign to raise money for a new antenna, to increase our broadcast power to 20 kilowatts. We've raised \$10,000 to date, but our target is \$100,000. Can you help by buying some waffle? Call 8303 5000 to make your tax deductible donation.

Emily Bronte's
WUTHERING HEIGHTS
a new play by Rob Crosier



An Independent Theatre Production

IF YOU'VE ONLY SEEN THE FILM, YOU'VE ONLY SEEN HALF THE STORY!
So much more than a gothic romance!

THE ODEON THEATRE, QUEEN STREET, NORWOOD
JULY 27 to AUGUST 10
(Tuesdays to Saturdays) 7.30pm
Tues. 30 July 6.30pm. Two for the price of one adult ticket!
Sat. 3 August 2pm & 7.30pm
\$25/\$20 (plus fee) Book at BA55 131 246

Jamie's slick performance earns \$5000 percussion scholarship

ELDER School of Music percussionist Jamie Adam is the inaugural winner of the John "Slick" Osborne Scholarship.

The \$5000 performance scholarship, which rewards outstanding talent in the field of jazz drumming and classical percussion, was endowed by prominent South Australian drummer/percussionist John "Slick" Osborne, who bequeathed his estate to the Elder Conservatorium to support young performers.

Mr Osborne had a long association with both the Conservatorium and the jazz program of the former South Australian College of Advanced Education.

The award of the scholarship maintains a remarkable run of success for Jamie Adam, a fourth-year Honours student who is studying percussion performance under the Elder School's Jim Bailey.

Last year Jamie was the first winner of the David Galliver Memorial Award and was selected recently to represent South Australia in the wind and percussion section of the third round of the ABC Young Performers' Award. (He will perform in Brisbane, with the Brisbane Symphony Orchestra, in August).

Jamie is a former student of Woodville High School, one of South Australia's designated Special Interest Music Centres.

The presentation of the John "Slick" Osborne Scholarship will be made by the Dean of the Elder School of Music, Professor Charles Bodman Rae, after Jamie's performance of the Keiko Abe concerto, *Prism Rhapsody*, with the Elder Conservatorium Wind Ensemble, in Elder Hall on Saturday, June 29.



Jamie Adam playing a marimba.

Much Ado about love

BENEDICT utterly hates Beatrice and Beatrice absolutely loathes Benedict. Or so it would seem.

But when the furious rage between them is made public, everyone knows this is really the first 'big bang' of a tumultuous romance.

Shakespeare's classic tale of fiery love, *Much Ado About Nothing*, is also one of his most entertaining comedies.

The University of Adelaide Theatre Guild follows up its recent success of *Amadeus* with this classic from the Bard, coming in August to the University's Little Theatre.

Director Martin Laud promises a "fast and funky" interpretation for both lovers of Shakespeare and first-time theatregoers.

A graduate of the University's B.Ed Drama/BA Ed. Theatre course, Martin has been directing and acting since 1991. In his spare time, he also teaches Drama at the new Adelaide University Senior College.

Much Ado About Nothing

Little Theatre, University of Adelaide
7.30pm August 3, 6-10 & 13-17

Tickets: \$20 Full/\$15 Concession/\$10 for advance schools bookings
Box Office: (08) 8303 5999, BASS 131 246

Join the cast and crew of *Much Ado About Nothing* for a glass of wine and light supper after the Friday, August 9 performance.

The Cornell Chapter of the Alumni Association and the Theatre Guild invite members, friends and the general public to an informal reception for the cast and production team in the foyer.

Tickets for this performance must be purchased in advance by August 2 through Alumni & Community Relations. Phone (08) 8303 5800 now. Part proceeds from the sale of tickets (\$30 full/\$24 conc.) will go to the Mares-Eaden Fund to establish a University Prize in Shakespearean and Elizabethan Studies.



NEWSMAKERS

THE SOCCER World Cup sparked increased media interest in all things Japanese. **Professor Purnendra Jain** spoke to *The Advertiser* (June 15) about the growth prospects of the Japanese economy, while **Dr Brian Victoria** analysed the relationship between Australia and Japan in an opinion piece for the *Australian Financial Review* (June 7). On ABC TV's *Stateline* (June 14), **Dr Greg McCarthy** drew a neat comparison between the Rann Government and the Japanese soccer team in an analysis of Labor's first 100 days in power.

Dr Rod Irvine was among the experts featured in an *SBS World News* report (June 4) on the long-term side-effects of taking ecstasy.

On Channel 9's *Today* show (June 7), **Dr**

Sarah Robertson was interviewed about her research team's development of a new gel to be clinically trialled among women with fertility problems next year. Fellow fertility specialist **Dr Michael Davies** spoke to *The Advertiser* (June 24) about another trial aimed at improving IVF success rates with a single embryo.

The Advertiser also reported on Repromed's intention to expand into new interstate and international markets in the next five years.

The arrival in Whyalla of a group of first-year medical students on rural health experience generated coverage in *The Whyalla News* (June 13). It also attracted the interest of ABC radio *5CK* (June 18), which interviewed **Dr Andrew Thornett** about the students' activities.

The release of the latest census results brought another round of media interviews for **Professor Graeme Hugo**. He appeared on all local—and many interstate—television news bulletins (June 17), providing comment and analysis. Much local interest centred on his remark that the State Bank collapse had affected the demographics of South Australia for a decade.

The Australian spoke to **Dr Johann Bruwer** (June 10) about a study showing that more than one-third of cellar door visitors to the Coonawarra are women aged 25-34.

In the *Angaston Leader* (June 19) Elder School lecturer **Mike Stewart** told of his experiences playing with some of the world's best jazz musicians in New York after winning the Barossa

Winemakers' Jazz Scholarship.

On *891 ABC* (June 20), **Dr Mike Geddes** explained to The Bald Brothers why a cuttlefish has three hearts.

The Prime Minister's attitude to the UN's new International Criminal Court was criticised by **Dr Anthony Burke** on radio 5DN (June 18). **Dr Geoff Lindell** also addressed the topic on *891 ABC's Drivetime* the same day.

Dr John Williams spoke to *The Australian* (June 18) about Attorney General Michael Atkinson's attempt to delay consideration of new electoral boundaries, and was quoted by several media outlets on the proposed constitutional convention.