

Adelaidean

NEWS FROM THE UNIVERSITY OF ADELAIDE

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Hidden hazards of wine tasting exposed



Adelaide researchers are studying the hazardous side of professional wine tasting.

Wine makers, wine judges and wine marketers' chosen profession puts them at a higher risk of tooth erosion, but it is a problem that can be reduced, according to Dr Diane Hunt, a senior lecturer in Restorative Dentistry at the University of Adelaide.

Tooth erosion can affect anybody's teeth. It is an irreversible process, which rapidly occurs when acids, commonly from food and drink, are present in the mouth.

When these acids are present and the pH level of the solution that bathes the teeth gets below 4.5 teeth start to erode. The acids dissolve calcium and phosphate from enamel surfaces and expose the dentine, which is a very sensitive tooth material, causing tooth sensitivity.

Because the pH level of wines can range from 3.2 to 3.8, with sparkling wines as low as 2.8, instantaneous erosion can occur in susceptible people.

"This is an occupational health hazard for wine assessors," Dr Hunt said.

Dr Hunt has been researching the dental problems associated with professional wine tasting and what can be done to reduce the damaging effects of wine on professionals' teeth.

"As dentists, our interests are to find ways of reducing tooth erosion and promote the natural protection provided by saliva," Dr Hunt said.

"Saliva determines the oral balance within the mouth and helps flush away and dilute any acids. It forms a protective 'film' (known as

Dr Diane Hunt contemplates a glass of bubbly, which has low pH levels
Photo by David Ellis

glycoprotein pellicle) and also has certain 'buffering' properties, which will kick in when the pH gets lower and lower."

Dr Hunt said a simple and beneficial way to stimulate saliva is by chewing sugar free gum.

"Chewing gum for 10 minutes has been shown to dramatically increase the amount of saliva that is produced. Stimulated saliva is also much richer in calcium and phosphate, which are the minerals that are dissolved from the teeth by the erosive process," she said.

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Life Impact



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McWha's Words

Zero tolerance

With the election just around the corner, political parties have shown an unprecedented interest in higher education. That interest, of course, is more about securing the votes of students and their relatives than about a genuine commitment either to students or to the future of our universities.

The fact is that universities have seen the unit funding from Government reduced by 20-30%, in real terms, in the last 10 years. Yes, universities can become more efficient – we have and will. But if we teach more and research more, it does cost more.

Universities are already under severe pressure through persistent under-funding. If they are to be the engine room of economic and social development in the future, then they need urgent attention. Our motivation should be about the development of our young citizens and of the country, whose future demands educated people and the creation of new knowledge.

I accept that there is a personal benefit in education, but there is also an enormous and vital public benefit. With some HECS students now paying up to 85% of their course costs

and as much as \$8000 a year in fees, we have surely gone too far. This can be confirmed by a simple comparison with other countries. Just stabilising fees, whether at the 2004 level (as Labor would have it) or the levels proposed by the Government for 2005, is simply not sufficient. That is why many universities have been forced to make the difficult decision to increase HECS fees.

In my ideal world, fees would be zero. However, I am pragmatic enough to accept that this is neither likely nor perhaps even possible. Surely, though, one of the major parties could at least have a policy of minimising student fees by making a commitment to reduce them over time.

Currently, students who can either find or borrow the money can enrol as full fee students; though under Labor, this would not be permitted. Labor has instead offered 20,000 new university places (presumably at the same unit cost) and claims this will meet demand. If their confident prediction of demand is correct, then we don't need a quota. An open-entry, fully-indexed system, in which fees are minimised and students are helped

with the costs of daily living, will help us build the future we envisage. Is it not time we had some mechanism to support our students and have some guarantee of equity of access so that talent is fully expressed, not wasted?

Our politicians set the agenda and establish the priorities so they can't be let off the hook. We need new knowledge to feed our economy and our development, and educated people able to contribute fully to society. If these issues are not a priority, then we really are in trouble. As a country, we will get what we pay for, not necessarily what we deserve. The very least the electorate deserves is a choice where we are not arguing about fine shades of grey, but about vision and the future.

JAMES A. McWHA
Vice-Chancellor

This is an edited version of an opinion piece that appeared in The Australian Financial Review

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

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It's mechanical engineering designed to bring out the exhibitionists!

This year's Mechanical Engineering Project Exhibition will be held on Friday, October 22 in the Holden Laboratory in the Engineering South building.

Teams of fourth-year students work together on high-tech and innovative projects, such as this computerised reversing system for trucks (pictured at last year's exhibition), which forms a major part of their mark for the year's work.

The exhibition is free and open to all – members of the public included.



North Terrace greening begins

By early 2005, this is what the front of our North Terrace Campus will look like.

The University of Adelaide is embarking on a significant new look to the frontage of the campus.

The upgrade will include more greenery and places where staff, students and members of the public can relax and enjoy the atmosphere, surrounded by some of South Australia's finest heritage buildings.

Work has already begun on the upgrade, which feeds into and complements the overall North Terrace Redevelopment Project.

According to Vice-Chancellor Professor James McWha, the new look of the campus's North Terrace frontage reinforces the values and visions of the institution through design and the creation of a pedestrian friendly environment.

"The City of Adelaide Development Plan encourages the provision of open space, which is landscaped, pedestrian-friendly and provides a high amenity to users," Professor McWha said.

A document titled the Desired Future Character Statement of the University/Hospital Precinct outlines open spaces as being important in developing the character of the precinct.

Professor McWha said the character statement called for the redevelopment of the university forecourt (predominantly the area occupied by Goodman Crescent and its surrounding roads and walkways) in providing visibility and access to all buildings within the precinct.

Three State Heritage buildings – Bonython Hall, the Elder Conservatorium and the Mitchell Building – dominate the forecourt of the university.

"In redesigning the forecourt, the value and character of the heritage buildings have been carefully considered," Professor McWha said.

"Limestone and sandstone colours have been proposed for the paving materials, with different finishing



Images by Taylor Cullity Lethlean

techniques to complement the heritage buildings and identifying areas allowing frequent vehicle use."

The proposed landscaping elements to the redevelopment strengthen and enforce the heritage character and importance of the buildings, he said.

"The choice of trees opens up the view of the buildings from North Terrace. In addition, the various understorey plantings chosen will

not be over 800mm high and will therefore not screen the heritage buildings from view."

The new look to the front of North Terrace will include more greenery and people-friendly areas than ever before.

Work on the upgrade is expected to be completed by March 2005.

Story by Howard Salkow

Guild show adds drama to American students' exchange

There will be a slightly American flavour to the Theatre Guild's October production of *A Day in the Death of Joe Egg*.

Two American exchange students at the University of Adelaide will have backstage roles for the controversial black comedy based around two parents' attempts to bring up a severely handicapped child in the 1960s.

Katie Innes and Jesse Matthews are attending the University of Adelaide for a semester through the Study Abroad program and both decided to join the Guild to further enrich their experience of Australian life.

Katie (pictured left) is originally from San Francisco and is currently a Theatre student at Whitman College in the state of Washington. She is currently studying Anthropology and History at Adelaide, and will be Stage Manager for *Joe Egg*.

"I love the theatre but even though I'm studying it back home, I don't have any desire to be on stage – I like working behind the scenes more," Katie said. "I really enjoy the stage manager role – I'm meant to know exactly what's going on backstage at any given time, which actor is meant to be where, and what the director needs to have done."

Jesse (pictured right), who will be a member of the *Joe Egg* backstage crew, hails from New York City and is majoring in Statistics and Psychology at Northwestern University, located near Chicago in Illinois.

"This is the first time I've actually been involved in a theatre production," Jesse said. "Growing up in New York City, I've always loved the theatre and am an avid theatregoer – I don't have any desire to be



an actor but wanted to be involved somehow and thought taking on a backstage role would be the ideal way to get started."

A Day in the Death of Joe Egg is directed by Rosemary Nursey-Bray and stars David Adams, Maxine Harding, Justin Nicholas, Lesley Reed and Ann Weaver. Based on playwright Peter Nichols' own family experiences, it was first performed in 1967 and was recently revived with great success in London's West End.

A Day in the Death of Joe Egg will be performed at Little Theatre on Saturday, October 16, Tuesday,

October 19 through to Saturday, October 23, and Tuesday, October 26 to Saturday, October 30 at 7.30pm each night. Tickets are \$20/\$15 and are available from the Theatre Guild on (08) 8303 5999 or BASS on 131 246.

The *Adelaidean* and University of Adelaide Theatre Guild have two double passes to give away to the opening night of *A Day in the Death of Joe Egg* at 7.30pm on Saturday, October 16.

The first two callers to ring editor David Ellis on (08) 8303 3173 will receive one double pass each.



MALE VOLUNTEERS NEEDED



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Life Impact
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THE UNIVERSITY OF ADELAIDE
AUSTRALIA

The University of Adelaide has won a major marketing award for its Life Impact brand advertising campaign.

The university has received the Australian Marketing Institute's State Award for Marketing Excellence in branding. It will now contend for the National Award this month.

The first brand advertising campaign in the University of Adelaide's 130-year history, "Life Impact" shows how the university has an impact on the lives of its students and graduates and how they in turn have a significant impact on the community.

Some of those featured in the Life Impact campaign include:

- Coopers Brewery Managing Director Tim Cooper;
- Olympic rower and World Champion Amber Halliday;
- Medicine student and Young Australian of the Year (South Australia) Matthew Hutchinson; and
- Australian Young Winemaker of the Year Briony Hoare.

University of Adelaide Professor of Marketing Pascale Quester said the Life Impact campaign was successful because it illustrates the relevance and significance of a University of Adelaide qualification to everyday life.

"Earlier research pointed to the need to connect the university with 'real life'. While perceptions were very positive towards the quality of our students and staff, how this excellence translated into reality remained vague," she said.

"The object of the campaign was to position the university as an exciting, vibrant part of the

community. It shows how the education acquired by students in many different fields can directly benefit the wider community."

The many talented students and graduates of the University of Adelaide who took part in the campaign made it that much easier to help "sell" the university, said the Director of Marketing and Strategic Communications, Mr Michael Neale.

"Developing an excellent marketing strategy is much easier when you have an outstanding offering and that's exactly what we have at the University of Adelaide," Mr Neale said.

"Much of the success can be attributed to the willingness of graduates and staff to be involved and offer support.

"The campaign also benefited from the excellent internal creative team who efficiently executed the strategy. Special thanks however must go to the people who agreed to have us tell their stories."

Story by Ben Osborne

Why young doctors stay in SA

South Australia is the number one choice for Adelaide medical graduates wanting to start their careers in medicine, according to new research.

A new study shows that four out of every five University of Adelaide medicine graduates wanted to begin internships in South Australia last year.

The findings are contained in a report conducted by the Department of General Practice at the University of Adelaide, and the Adelaide to Outback GP Training Program.

The report, "Where to from here? Characteristics and career determinants of interns in South Australia in 2003", looks at the career decision-making process made by interns (who are classified as doctors in their first year after graduating from medical school) in the five South Australian teaching hospitals.

Investigators Caroline Laurence and Taryn Elliott examined which factors interns considered important in making decisions about their careers.

They found that more than 80% of 2002 graduates from the University of Adelaide applied to do their internship in South Australia, with 45% of Flinders graduates doing likewise.

For interns, there were five main criteria that influenced their career decision-making:

- Job satisfaction (e.g. the type of work involved, whether there was variety)
- Lifestyle (e.g. having the opportunity to spend time with partners and family)
- Career path (e.g. the potential for litigation, their earnings)
- Training programs (e.g. their flexibility, cost and length all important factors)
- Job setting (e.g. hospital or community based, and rural or urban based)



"What we have found with this most recent group of interns is that more of them are delaying their decision about their speciality path until later in their training," said Ms Laurence, who is a Research Fellow in the Department of General Practice.

"Before, the majority would make their decision early on in their postgraduate training, such as their intern year, but now for more than half, they wait until the second or third year.

"One of the reasons for this could be that as an intern it is their first year where they are fully exposed to what the job is like, with all the pressures and responsibilities, and their thoughts about what they want to do may change as a result of that."

The research was also conducted to find possible reasons for why General Practice, while still one

of the most popular specialities, is beginning to attract fewer doctors.

"We think one of the main reasons could be that General Practice is not a rotation for speciality training during the intern year," Ms Elliott said.

"While rotations are only two to three-week blocks, the experience gained in that time is vital in their decision-making – they meet doctors and specialists in each particular area who become role models and influence how the interns see the different specialities.

"It would be good for General Practice to be offered as a rotation so that junior doctors are exposed to it much earlier than they are now, and under the new MediCare Plus scheme known as the Prevocational General Practice Placement Program, there is provision for this to occur."

Story by Ben Osborne

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Threatening message for smokers

Fear is the key to a successful anti-smoking campaign.

That's according to research at the University of Adelaide, which shows the use of threatening messages in advertising to be more persuasive when the advertisements do elicit fear.

For his Honours degree in Commerce, undertaken under the supervision of Professor of Marketing Pascale Quester, Damien Arthur investigated the effectiveness of threatening messages in advertising by conducting an experiment on 293 students.

He presented them with different types of anti-smoking advertisements and gauged their responses, with the findings of the study appearing in the September edition of the international journal *Psychology and Marketing*.

These findings suggest that it is necessary to arouse the emotion of



This image was used by the National Tobacco Campaign to raise awareness of risks associated with smoking, such as blindness

fear for a threatening message to be most effective.

"It was thought that an individual's response to a threatening message was extremely rational," Mr Arthur said.

"Take the example of smoking. Previous research suggests that an individual would appraise

the severity of the threat – such as irreversible blindness, – the likelihood of this occurring to them, the likelihood that quitting smoking would reduce this threat, and whether they believed they could quit.

"This is a very rational view of the decision making process. My findings indicate that each of these

components can be present, but the greater the amount of fear that is aroused, the more effective an anti-smoking advertisement will be."

The results also suggest that as fear is an emotional response to a threatening message, it will dissipate rapidly over time; the consequences being that the greater time between seeing such an advertisement and the desire for a cigarette, the less likely the advertisement will affect behaviour.

"For anti-smoking ads to work well, they need to be immediate," he said. "It's one thing to see a graphic advertisement in print or on TV, but if the urge to smoke is not there, then the impact of the ad can be wasted."

"To be more effective, anti-smoking advertisements should be placed in environments where people are most likely to desire a cigarette: in entertainment venues, especially pubs, or best of all on the pack itself.

"This is when the urge to smoke is at its highest, and when the graphic, fear-based advertising is most likely to be effective."

Story by Ben Osborne

Biotech body relocates to Adelaide

South Australia is on track to becoming an international hub for plant biotechnology research.

The International Triticeae Mapping Initiative (ITMI) headquarters is moving from the United States to Adelaide.

The relocation of ITMI was recently confirmed at a gathering of wheat and barley researchers in Minneapolis, USA, and its management office will relocate in January 2005.

ITMI is the key international forum for the discussion and coordination of public sector activities in the genetics and genomics of wheat, barley, rye and their wild relatives.

"For more than 10 years, ITMI has been coordinating international efforts and programs directed into genetics research of wheat, barley and rice," said Professor Peter Langridge, a member of the ITMI Planning Committee and CEO of the Australian Centre for Plant Functional Genomics (ACPFPG), based at the University of Adelaide's Waite Campus.

"ITMI has been crucial in bringing together public sector researchers from around the world. The collaborative spirit fostered by ITMI has been key in keeping cereal research at the forefront of scientific advances," he said.

Professor Langridge said ITMI's decision to relocate reflects the high regard for South Australian biotechnology research. "The relocation places Adelaide at the centre of cereal genetic and genomics research," he said.

"With the head office in Adelaide, it will add further strength to the city's already thriving biotechnology sector. We will be able to focus attention on the activities being undertaken in Australia and this new role will provide a crucial mechanism for ACPFG to provide input into international wheat and barley improvement programs.

"It will contribute to technology development and growth in agricultural research in Australia," Professor Langridge said.

In further good news for plant biotechnology in South Australia, Professor Vicki Sara, a former CEO of the Australian Research Council, chair of the Council and a member of the Prime Minister's Science Engineering and Innovation Council, has now joined the ACPFG Board of Directors.



Adelaide's digital future

It's a revolution in media – and the University of Adelaide is leading the way.

With interest in Australian animation at an all-time high, postgraduate digital media courses at the university are becoming increasingly popular.

The success of *Harvie Krumpet* in winning an Oscar for Best Animated Short Film, plus the achievements of Adelaide graduates in the film and video games genres, means a digital media qualification from Adelaide is an ideal base for a career in any one of a number of associated industries.

According to Dr Dean Bruton, Senior Lecturer in charge of the Digital Media Program at the university, students are not only exposed to a high level of learning but also benefit from links with industry.

"Already this year we have hosted a highly successful information evening featuring some of Australia's top animators talking about how they got their start in the industry and what skills and attributes are needed to become a good animator," he said.

"More than 250 people attended that evening, and it was extremely worthwhile for our current students as they got to hear from people who have gone on to very successful and prominent careers in digital media.

"These speakers included University of Adelaide graduates, people who once were in the same position as our current students and give a great example to them as to what they can achieve.



Media for 2005: a Master of Architecture (Digital Media) and Master of Design Studies (Digital Media).

The MArch (Digital Media) focuses on the developing use of digital media in the profession of architecture, with students working on 'real' and virtual architecture and contemporary design while developing their skills in both 2D and 3D representation.

The MDes Studies (Digital Media) enables students to focus on developing skills for the use of digital media for communication and design in visual arts, in such fields as animation, visual effects production and computer games.

"Digital media is unquestionably a growing part of the future of design, and it is also taking in the fields of art and architecture," Dr Bruton said.

"As the next generation of digital artists and architects emerge, we are seeing the establishment of new companies ready for all kinds of digital media design proposals.

"Our courses are geared very much towards recognising and meeting the changing demands of industry, and even while they are still here studying the students become exposed to industry through

events like our information evening. They have the chance to talk and network with key industry figures and this experience proves to be invaluable."

The links with industry continue, as organisations such as the Adelaide Chapter of Association of Computer Machinery: Special Interest Group – Computer Graphics and Interactives (or ACM SIGGRAPH), the Australian and New Zealand Association for Computer Graphics (ANZGRAPH) and the Digital Labourer's Federation all supporting industry events such as the information evening and a recent Electronic Theatre which saw the screening of 16 new features from leading international animation companies.

"The digital media program at Adelaide is all about equipping students with the ability to go on and make an impact in their career," Dr Bruton said.

"We make no assumptions about how much knowledge students already have with digital media. If you know a lot already, that helps. If not, you learn here. Students who will enjoy and do well in the program are those who are willing to explore and challenge conventional thinking."

Story by Ben Osborne and Natalie De Nadai

"One was Didier Elzinga from Rising Sun Pictures who has worked on such Hollywood blockbusters as *The Lord of the Rings: Return of the King* and *The Last Samurai*.

"We also had a speaker from Ratbag Games, which was founded by two Adelaide graduates, Greg Siegele and Richard Harrison, and has now become a major player in the video games genre."

The University of Adelaide's School of Architecture, Landscape Architecture and Urban Design is offering two postgraduate coursework programs in Digital

Digital animation now plays a bigger role than ever in Hollywood, as seen most recently in *Shark Tale* (above far left and bottom left) and *The Incredibles* (top right). Also featured on this page are two digital works by University of Adelaide students.

Parents think twice about more children

Australian parents need increased personal support as much as they need financial benefits from the government before having more children, a new study has found.

The study, which involved interviews with 38 mothers and 24 fathers across Adelaide, found that 24% of the mothers said the thought of being pregnant again put them off wanting another child.

“Coping with morning sickness or feeling fat and unattractive were some of the key reasons, especially if they already had other children to look after,” said Lareen Newman, who conducted the research as part of her PhD in Geographical & Environmental Studies and Social Inquiry at the University of Adelaide.

“The thought of going through birth again was making 34% of the mums think twice about having another baby and 17% of the dads were also reluctant for this reason.



“Some 60% of both mums and dads said the everyday demands on their time and energy limited the number of children they thought they could cope with,” Ms Newman said.

She said this was particularly worse for those with a sick or disabled child, or twins already in the family.

“When thinking about family size, the dads in the Adelaide study tended to be more concerned

about the financial costs of more children, and the limits of their house or car size.

“Mums were as concerned about the physical and mental limits of conception, pregnancy and birth, and coping with more children as they were about the financial impact and the need or desire to return to paid work,” she said

The study suggests that if people are going to reach their desired family size, then more non-monetary parental support is needed.

The politicians’ focus on increased family payments and paid leave is certainly welcome, but it overlooks many other areas that could be improved, particularly in the transition to parenthood, such as more personalised maternity services and regular ongoing in-home support, Ms Newman said.

“This would help reduce the stresses of parenthood and probably help more people be able to cope with having more children.

“This is especially important in a country like Australia where many people come from overseas without their family, or people move around for work.

“In these respects, better educated and professional women would possibly be amongst those struggling most for support with a new baby and young children,” she said.

Ellingtonia in Elder Hall

The timeless jazz classics of Duke Ellington underpin this month’s Evening Concert Series.

“Elder Ellingtonia” features the Elder School of Music’s Big Band I and Honours Jazz Ensemble separately performing such standards as *Mood Indigo*, *Rockin’ In Rhythm*, *It Don’t Mean A Thing* and *Sophisticated Lady* on Thursday, October 14 at 8pm in Elder Hall.

The Big Band I, conducted by Hal Hall, will showcase special guest artist Andrew McNaughton on trumpet. McNaughton will appear with the generous support of a Helpmann Academy Grant.

The Honours Jazz Ensemble features guest Master of Music students Mike Bevan and James Brown (guitars) and Derek Pascoe (saxophone).

Also performing Ellington classics will be Dusty Cox and Vashti Tyrell (saxophones) with Andrew McNaughton on trumpet.

It has been 30 years since Ellington died in 1974, leaving behind one



of the largest, most inventive and greatest bodies of work of any musical genre in the 20th century. He had received France’s highest award, the Legion of Honour, and the United States Government’s highest civil honour, the Presidential Medal of Freedom.

The Elder School of Music’s own honouring of Ellington promises to be an outstanding night of jazz – book early to avoid disappointment!

“Elder Ellingtonia” will be held on Thursday, October 14 at 8pm at Elder Hall. Tickets are \$25/\$17/\$10, and are available from BASS on 131 246.

Hidden hazards of wine tasting exposed

story continued from page 1

On days of intense wine tasting, wine assessors should take some measures to protect their teeth, Dr Hunt said.

“We have shown that with the application of concentrated fluoride gels the night before a tasting, it is possible to considerably reduce erosion,” she said.

“We also suggest that on mornings of a wine tasting session, instead of brushing their teeth, they leave the plaque, which helps to protect the enamel.

“Throughout the day they should ensure they drink plenty of water so saliva production is optimal. After wine tasting, they should not brush their teeth for at least one hour to avoid wearing away the softened tooth surface, but do remember to brush.”

Dr Hunt and colleague Dr John McIntyre have conducted a survey of professional assessors, ranging

in age from 20 up to 60 to see how many of those had sensitive teeth.

“Out of 74 people, 50% didn’t experience sensitive teeth and 50% did. The curious thing was, differences in exposure to wine tasting alone did not account for the difference between these two groups. The most obvious answer relates to differences in quality and quantity of saliva,” she said.

Dr Hunt’s research into this area has been funded by the Australian Dental Research Foundation, but she said it had been difficult to get the wine industry involved so far.

“There is definitely an opportunity for some cooperative work with industry in this area, and we believe it will have positive benefits for professional wine tasters right around Australia and overseas.”

Story by Natalie De Nadai



ASQ launches biggest season yet

One of the best music ensembles in the nation is also establishing a reputation as one of the busiest.

The Australian String Quartet (ASQ), quartet-in-residence at the Elder School of Music, University of Adelaide, has announced its subscription season and extensive international touring dates for 2005.

The subscription season traverses the complete quartet repertoire, from the

classical to the contemporary, joined by outstanding Australian guest artists Benjamin Martin (piano) and Li Wei (cello).

Four concerts from March until October make up the bulk of the season in Adelaide, Brisbane, Melbourne, Perth and Sydney.

In 2005, the ASQ will augment its subscription season in the capital cities with extensive touring off the beaten track in regional Australia. ASQ is also taking up repeat invitations to play in Singapore, Hong Kong and Shanghai in April and the UK in November 2005, following a highly successful tour of Asia and Europe last year.

Adelaidians still have a chance to see and hear the glorious ASQ this year, with a Lunch Hour Concert at

the University of Adelaide's Elder Hall on Friday, November 5, and the final subscription concert for 2004, "Intimate Letters" with special guest violinist Caroline Henbest, at the Adelaide Town Hall on Wednesday, November 10.

www.asq.com.au

Above: The Australian String Quartet (from left) James Cuddeford, Jeremy Williams, Natsuko Yoshimoto and Niall Brown
Photo by Jacqui Way

Coming Events

Friday, October 1

1.10pm Elder Hall Lunch Hour Concert: Brighton Secondary School Concert Choir (SA) with Michael Griffin (Conductor). Waratah Girls Choir (NSW) with Wynette Horne (Conductor). Sydney Children's Choir (NSW) with Lyn Williams (Conductor). Elder Hall. Tickets \$5 available at door from 12.30pm.

Wednesday, October 6

3pm Cultural Conversation: "Are the arts elitist?" with Professor Dominic Lopes (Philosophy, University of British Columbia), Professor Richard Woodfield, (Art & Design, University of Nottingham-Trent), and Associate Professor John Armstrong (Philosophy, University of Melbourne), and Dr Jennifer McMahon

(Philosophy, University of Adelaide). Ira Raymond Room, Barr Smith Library. For more information or RSVP contact Mirna Heruc on 8303 4031 or email: mirna.heruc@adelaide.edu.au

Thursday, October 7

12pm Centre for the Molecular Genetics of Development Seminar: "Modelling myeloid cell disorders using genetic approaches in zebrafish" by Dr Graham Lieschke (Ludwig Institute for Cancer Research, Melbourne). Seminar room 1.02, Molecular Life Sciences Building.
1.10pm Inaugural Lecture: "Molecular chaperones: proteins for stressful situations" by Professor John Carver (Chemistry and Physics). Council Room, Level 7, Wills Building, North Terrace Campus.

Friday, October 8

1.10pm Elder Hall Lunch Hour Concert: Elder Conservatorium Chamber Orchestra with Keith Crellin (Conductor). Tickets \$5 available at door from 12.30pm.
4pm Obstetrics and Gynaecology Seminar: "Periconception nutrition" by Professor Henry Leese (Biology, University of York). Department of Obstetrics and Gynaecology Seminar Room, N229, 2nd Floor, Medical School North, Frome Road.

Monday, October 11

12.30pm Colgate Australian Clinical Dental Research Centre Seminar: "Past History in Dental Research" by Dr John Abbott (CACDRC). Board Room, Colgate Australian Clinical Dental Research Centre, Adelaide Dental Hospital.

1.10pm History Seminar: "Food Fraud and the British Consumer, 1838-1860" by Andrew J. Ratledge. Room 205, 2nd floor, Napier Building, North Terrace Campus.

Thursday, October 14

Free art exhibition: "Huey - Oh you pretty thing!" featuring works by Hans Kreiner. Runs from October 14 until November 14, Barr Smith Library, North Terrace Campus. Opening hours coincide with the Barr Smith Library.
12.15pm Psychology Seminar: "Working memory of Post Traumatic Stress Disorder" by Professor Sandy McFarlane (University of Adelaide). Departmental Library, Room 526, Hughes Building, North Terrace Campus.
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Derrick Rowley (1922-2004)

A distinguished academic and researcher, Derrick Rowley was Emeritus Professor of Microbiology and Immunology at the University of Adelaide. He was highly regarded by his peers and others who knew him.

For more than 28 years, Derrick was one of the most active, outspoken and productive members of the Australian community of immunologists. He contributed to biomedical and health science, first in England and then in Australia in many ways. Throughout his working life he was also involved with aspects of medical research as a whole, argued strongly for additional funds to support research in Australia and never ceased to work towards maintaining standards of scientific excellence in research.

Derrick was born into a working class family in Bradford, Yorkshire. He won a scholarship to Bradford Grammar School for the final seven years of his schooling. Encouraged to continue studies in chemistry, in 1938 he enrolled for a BSc degree at Bradford Technical College, again with a scholarship. He completed the final BSc Honours examinations in 1941 at the Imperial College in London and took up a research position with Petrochemicals, initially in Manchester, and then for about a year in London and Orpington. During this time Derrick completed his PhD (1945), as an external student of London University.

While in London he had the opportunity to work at the Glaxo Laboratories, where he met Sir Alexander Fleming, the discoverer of penicillin. This changed the course of Derrick's scientific life to a lifelong commitment and interest in research in biomedical science. In mid 1945 he took up a part-time research position in Fleming's laboratory at St Mary's Hospital, London, and also began studies in medicine that he completed in 1950. After a year of research in America, supported by a Harkness Fellowship, Derrick returned to the Wright Fleming Institute in London and was soon appointed head of the Department of Bacterial Chemistry.

Derrick and family arrived in Adelaide at the beginning of 1960 to take up the newly established Chair of Microbiology at the University of Adelaide, a position he held until retirement at the beginning of 1988. Under his enthusiastic leadership the department increased in size more than eight-fold and changed its name to the Department of Microbiology and Immunology, to reflect its broader range of interests.

In 1970 Derrick was instrumental in founding the Australian (now Australasian) Society for Immunology and was elected its first President. He remained actively involved after his term as President and the Society recognised the value of his contributions by making



him an Honorary Life Member. He also had a long association with the *Australian Journal of Experimental Biology and Medical Science* (renamed *Immunology and Cell Biology* in 1988), acting as Editor-in-Chief from 1963 till the end of 1987. He also served on the National Health and Medical Research Council for six years.

His research in enteric infections and the properties of bacteria that enable them to colonize and grow in animals, including humans, earned him a fine reputation throughout the world. He was appointed to a number of World Health Organization (WHO) advisory positions, including that of Chairman of the WHO Committee of Diarrhoeal Disease Research. In 1965 he was appointed as the Australian representative on the Advisory Board of the Cholera

Research Laboratory in Bangladesh and subsequently served as Chairman of the Scientific Program Committee of the International Centre of Diarrhoeal Diseases Research, based in Bangladesh.

Despite a dislike of committee work and meetings, his management skills led him into university administration, including a three-year term as Dean of the Faculty of Medicine.

Derrick continued to use his expertise in various ways after he retired. He served as the Chairman of Council of the Child Health Research Institute (1988-1992), worked as a half-time Research Director of Enterovax Research Pty Ltd (1988-1989) and as Research Director and Research Adviser at the Queen Elizabeth Hospital for a further five years. He also worked as a consultant and joined a small group responsible for recommending how the primary health care services for Tibetans living in India might be improved and as an advisor to a project funded by AUSAID to establish a data collection system for medical problems of Tibetans in India. In 1993 he was made a member of the Order of Australia, in recognition of his contributions to immunology.

Derrick is survived by his wife Betty, two daughters, a son and their families.



Coming Events

continued from page 11

Friday, October 15

1.10 pm Elder Hall Lunch Hour Concert Series: Elder Conservatorium Wind Ensemble with Robert Hower (Conductor) and Fiona Corston (Piano). All Stravinsky program. Tickets \$5 available at door from 12.30pm.

4pm Obstetrics and Gynaecology Seminar: "Trophoblast and the first trimester environment" by Associate Professor Graham Burton (Department of Anatomy, University of Cambridge, United Kingdom). Department of Obstetrics and Gynaecology Seminar Room, N229, 2nd Floor, Medical School North, Frome Road.

Saturday, October 16

2pm History of Science, Ideas & Technology Group Seminar: "John Gould (1804-1881) and his work in South Australia" by Sean Dawes in the Ira Raymond Exhibition Room, Barr Smith Library, North Terrace Campus.

Monday, October 18

1.10pm History Seminar: "The Role of the Expert Historian and their contribution to recent cases involving Aboriginal people" by Andrew Collett. Room 205, 2nd floor, Napier Building, North Terrace Campus.

Wednesday, October 20

10am Agriculture-Health & Nutrition symposium: Aiming to bring together

researchers and others interested in improving the nutritional quality of goods including improving the biofortification of functional foods. Dr Martin Playne of RMIT is guest speaker, joined by 12 Adelaide researchers from various organisations. Charles Hawker Conference Centre, University of Adelaide Waite Campus. Admission is free but contact colin.jenner@adelaide.edu.au to register.

Thursday, October 21

12.15pm Psychology Seminar: "Psychologists' views of refugees" by Dr Marie O'Neill (Private Practice). Departmental Library, Room 526, Hughes Building, North Terrace Campus.

Friday, October 22

Mechanical Engineering Project Exhibition: Holden Laboratory, Engineering South, North Terrace Campus. All day, free and open to all.

1.10 pm Elder Hall Lunch Hour Concert Series: Graham Barber (organ, University of Leeds). Tickets \$5 available at door from 12.30pm.

4pm Obstetrics and Gynaecology seminar: "Role of semen in the utero-ovarian communication axis" by Professor David Armstrong. Department of Obstetrics and Gynaecology Seminar Room, N229, 2nd Floor, Medical School North, Frome Road.



Tangled future for energy

Are there any alternatives to alternative energy?

Alternative energies such as solar and wind power are not alleviating our current dependence on fossil fuels, according to a leading University of Adelaide researcher.

Professor Stephen Lincoln, a Professor in Chemistry at the University of Adelaide, says he believes fossil fuels will remain the dominant energy source for at least the next 20 years.

He outlined his views on energy at a recent seminar held by the university's School of Economics

"As recently as 2001, the energy supplied by geothermal, solar, wind, tidal and wave power only supplied 0.5% of world energy," Professor Lincoln said.

"These forms of energy are undoubtedly attractive because of their 'clean' nature, but are unlikely to grow greatly in total energy percentage terms in the next 20 years.

"Fossil fuels are the dominant energy source and will be for at least the next two decades, because they are still in plentiful supply, are relatively

inexpensive to produce energy from and the energy produced from fossil fuels far outweighs the energy expended in producing it."

The downside to our reliance on fossil fuels, said Professor Lincoln, is that global warming will continue – although legislation and new methods of limiting carbon dioxide emissions into the atmosphere will slow the rate of global warming.

"We are starting to see the development of techniques for storing carbon dioxide and burying it underground or in the deep ocean, and I predict that this will increase as these techniques become more refined," Professor Lincoln said.

"I think in addition to trapping carbon dioxide, the only genuine alternatives to fossil fuels are nuclear power – which presently supplies 17% of global electricity and could be expanded – biomass and hydroelectricity.

"Certainly in the next 20 years they will only be complementary energy forms to our overwhelming reliance on fossil fuels.

"I think our challenge in the next generation will be to find ways of limiting the amount of energy used to produce energy, while keeping the price of energy as low as possible."

Story by Ben Osborne

Monday, October 25

12.30pm Colgate Australian Clinical Dental Research Centre Seminar: "Side Effects of Oncology Treatment" by Dr Richard Logan (Special Needs Unit, ADH). Board Room, Colgate Australian Clinical Dental Research Centre, 2nd floor, Adelaide Dental Hospital.

1.10pm History Seminar: "The Cleanup of British Nuclear Weapons Test Sites in Australia" by Professor Peter Johnston. Room 205, 2nd floor, Napier Building, North Terrace Campus.

8pm Classics Seminar: "From Troy to Middle-Earth: Classical Mythology and Tolkien's World" by Jacque Clarke (University of Adelaide). Room 723, Hughes Building, North Terrace Campus.

Tuesday, October 26

11.15am 2004 Young Investigator Award Semi-finals: Presentations by eight semi finalists. Main Lecture Theatre, 1st floor Queen Victoria Building, Women's and Children's Hospital. For more information visit www.health.adelaide.edu.au/yia2004

Wednesday, October 27

12.30pm Clinical Nursing Seminar: the Heart Foundation. Room 36, level 3, Eleanor Harrald Building.

Thursday, October 28

12.15pm Psychology Seminar: "The processes of change in anger management interventions" by Dr Andrew

Day (University of South Australia). Departmental Library, Room 526, Hughes Building, North Terrace Campus.

1pm Centre for the Molecular Genetics of Development Seminar: "The role of the Drosophila RhoGEF Pebble in an epithelial to mesenchymal transition" by Dr Michael Murray from the Australian National University. Seminar Room 1.02, Molecular Life Sciences Building.

Friday, October 29

1.10pm Elder Hall Lunch Hour Concert: Wanda Wilkomirska (the legendary Polish violinist will perform on her Petrus Guarnerius violin of 1734) and Stefan Ammer (Piano). Program to include Sonata No.3 Op.45 by Grieg Nocturne and

Tarantella Op.28 by Szymanowski. Tickets \$5 available at door from 12.30pm.

Sunday, October 31

2pm Armistice concert: celebrating the 90th Anniversary of the foundation of Australian Red Cross (which coincided with the beginning of World War One). The program includes music from opera choruses, Les Miserables, singalongs and a musical drama depicting a battle scene set in France. Elder Hall, North Terrace Campus. Tickets are \$25 or \$20 concession, available from Australian Red Cross, 207-217 Wakefield Street, or phone 8100 4605 for more information. All proceeds to benefit Australian Red Cross.

www.adelaide.edu.au/news/

Survey reveals hidden radio audience

Are you one of the seven million Australians tuning in to community radio each month?

Radio stations such as the university's Radio Adelaide 101.5FM have collectively gathered a large audience nationwide, according to new research.

A survey conducted by McNair Ingenuity Research has found that more than seven million Australians – or 45% of people aged over 15 – listen to community radio every month.

In Adelaide, 31% of the population – 286,000 people – listen to community radio each week and they listen for an average of 8.5 hours each week.

Nationally, more than 3.7 million tune in weekly and 685,000 listen exclusively to community radio.

Described as the most comprehensive survey ever conducted in community radio's 30-year history, the survey was funded by the Department of Communications, Information Technology and the Arts through the Community Broadcasting Foundation (CBF).

CBF Board Member and Station Manager of Radio Adelaide Ms Deborah Welch hailed the figures as confirmation of the growing strength and influence the community broadcasting sector has across Australia.

"More than half of community radio listeners cited the diversity in programming and specialist music or information programs as their main reasons for tuning in," said Ms Welch.



"This proves that we are meeting the needs of people who feel dissatisfied by what the mainstream and commercial media is serving them," she said. They also cited 'local information and local news', 'support of Australian artists and musicians' and 'a non-commercial sound' as key reasons for listening.

The community radio sector has trebled in size since the early 1990s and now, with 345 long-term licensed stations, provides more individual radio services throughout Australia than either the commercial or national radio sectors.

The survey also confirmed the strength of community radio in rural and regional areas, where more than 70% of community radio stations are

located. It showed that 1.4 million rural and regional Australians listen to community radio every week.

"With the commercial and national sectors using greater networking of programs, community radio stations are increasingly the voice of their local communities," said Ms Welch.

Community broadcasting listenership is not specifically collected in the radio industry's regular audience research, conducted by Nielsen Media Research.

Ms Welch said the figures also focused attention on the sector's need for more government funding.

Despite its large audience reach, the not-for-profit, volunteer-driven community radio sector operates

on a shoestring budget, with stations surviving on small business sponsorship, listener subscriptions and donations, grants and fundraising initiatives.

On average only 8% of station income comes from recurrent Australian Government grants via the CBF. Since the last significant increase in sector funding in 1996/97, the average level of government funding support available per station has declined in real terms by 43%, Ms Welch said.

"A commitment to media diversity must include realistic funding support for the 20,000 plus volunteers who create community radio for their communities," said Ms Welch.



October 2004

101.5fm

radio.adelaide.edu.au

24 - 31 October

featuring these special program initiatives:

Innocent Ears, a 5-part community project series
Listen: Mon 25 - Fri 29 Oct @ 7:30am on Expresso

Voice for Refugees, a classical concert
Listen: Tues 26 Oct @ 11am on Colla Voce

Random Homes, 30 diverse notions on this years theme - 'Home'
* be surprised by them during your normal programs!

REFUGEE WEEK

Radio Adelaide survives & thrives because of our subscribers

Subscribe in October

and you'll go into the draw to win

2 * *A Reserve* tickets to 4 concerts

of your choice from the 8 concert

2005 Musica Viva Season

featuring: Kronos Quartet, Andrew Manze and The English Concert and Opera stars Cheryl Barker and Peter Coleman-Wright, with a special spotlight on composer Peter Sculthorpe.

Prize valued at \$452

www.musicaviva.com.au

Only \$52 or \$26 concession - call during business hours
on 8303 5000 or email radio@adelaide.edu.au



MUSIC PROFILES
Weekdays 4:30pm on *The Range*

South Australian musicians in focus... from hip-hop crew *The Hilltop Hoods* to cello diva *Zoe Barry* and everything in-between...

Full listing at:
radio.adelaide.edu.au/musicprofiles



Supported by the Government of South Australia through Arts SA's Live Music Initiative





A young University of Adelaide graduate is among a group of Harvard alumni who have shared their views on how to take Australia into the 21st century.

Macgregor Duncan and three other talented Australian authors have written a new book, *Imagining Australia – Ideas for our Future*, which discusses the country’s future political, economic and social policy while offering new ideas.

Duncan, who graduated with first class Honours in Politics and Law from Adelaide, said the idea developed during 2002 and 2003 when he and his co-authors, Andrew Leigh, David Madden and Peter Tynan, were studying at Harvard University.

“We set up a fortnightly policy seminar called the ‘Australian Half-Baked Ideas Seminar’ in an effort to get Australian students at Harvard discussing new ideas that might advance and rejuvenate Australia. After a while, we thought we should take these discussions and put them down on paper,” Duncan said.

“Our aim was to get people thinking that if Australia is to be an even

more successful country, we need to rekindle our sense of optimism and ingenuity.”

Even though the four authors are Australian, Duncan said that the book was written across the four corners of the planet and rarely were the authors together at one time.

“*Imagining Australia* was written in the Islands of the Moluccas, Jakarta, Hobart, Boston, the sunny shores of Mossy Point, Washington DC, the Sutherland Shire, a law firm in Manhattan, Redfern, Oxford, Las Vegas, Adelaide, and London, to name just a few. We discussed ideas using instant messenger and email, phone conferences and occasionally even face-to-face conversations.”

Duncan, who has had an interest in politics and public affairs since high school, has encountered many exciting prospects since he graduated from his Adelaide studies in 1998.

“After finishing university, I worked for Justice Michael Kirby at the High



Macgregor Duncan

Court. I then attended Princeton University where I studied public policy and international relations and later I did a Master in Law at Harvard Law School. Currently I am working for a major New York law firm.”

The authors, Duncan said, all had a unified view that education plays a significant role in our future.

“Higher education is vitally important. And in Australia we need to do more – much more – to create outstanding universities that produce graduates ranking among the world’s best,” he said.

“I often think Adelaide is an ideal university-town; it’s got an interesting combination of intellectualism and parochialism.”

Imagining Australia – Ideas for our Future is published by Allen & Unwin and has a recommended retail price of \$24.95.

The *Adelaidean* has one copy of *Imagining Australia* to give away. To win a copy, be the first to call 08 8303 3173 and leave your name and contact details, including phone number and mailing address.

Story by Natalie De Nadai

04 Alumni Events

50 Year Reunion - Golden Jubilee 1954

We invite graduates from 1954 to attend the commemoration ceremony, followed by a luncheon on Friday, October 1.

Commemoration Ceremony

Time: 10.30am – 11.30am

Venue: Bonython Hall, North Terrace Campus

Note: Guests can be seated in Bonython Hall as early as 9.30am, but no later than 10.15 am

Reunion Luncheon

Time: from 12 noon onwards

For more information, contact Joan Soon on +61 8 8303 3317, fax +61 8 8303 5808 or email: joan.soon@adelaide.edu.au

Melbourne Network: Oktoberfest Family Day and BBQ lunch

Date: Sunday, October 10

Time: 11.00am – 4.00pm

Venue: Valley Reserve, Mt. Waverley

Cost: \$10 per adult, children free

For more information, visit www.adelaide.edu.au/alumni/ne/events.html or email the committee: melbourne_alumni@adelaide.edu.au

Commerce Chapter

Anne Howe, CEO of SA Water, will discuss the importance of gender balance in today’s corporate environment.

Date: Wednesday, October 13

Time: 5.45pm for 6.00pm - 7.30pm

Venue: Bradman Room, Adelaide Oval (enter off War Memorial Drive)

Cost: Commerce Alumni members \$20, non-members \$25, students \$10

RSVP: Alumni, Community Relations and Development Office, phone +61 8 8303 6356, fax +61 8 8303 5808, or email gaynor.tyerman@adelaide.edu.au by Friday, October 8 – bookings are essential.

ROCA Dinner and AGM

The ROCA Annual Dinner and AGM features special reports from Roseworthy graduates of 1954, 1964, 1979 and 1994.

Date: Friday, October 22

Time: 7.00pm for AGM, 7.30pm for dinner

Venue: Glenelg Golf Club, James Melrose Drive, Glenelg

Cost: Members & partners \$38, non-members \$43

RSVP: Dr David Cooper on 8363 4371 (wk) or 8332 5982 (a/h) by Friday, October 8

MBA Chapter

Dr James Bailey (Associate Professor of Social and Organizational Theory, George Washington University) will talk about emotional intelligence, organisational change and leadership.

Date: Monday, November 8

Time: 6pm for 6.15pm – 8.00pm

Venue: Adelaide Graduate School of Business, NAB Room, 5th Floor, 233 North Terrace, Adelaide

Cost: MBAAA members \$15, non-members \$20

RSVP: Alumni, Community Relations and Development Office telephone on +61 8 8303 5800, fax +61 8 8303 5808 or email alumni@adelaide.edu.au by Tuesday, November 2. Bookings essential.

For more information about events, call Alumni, Community Relations and Development on +61 8 8303 5800 or visit the website: www.adelaide.edu.au/alumni



So young, with so much passion

The Adelaide Youth Orchestra's passion for music will be on display at the University of Adelaide's Elder Hall this month.

From left: Anna Vogelzang, Emily Tulloch, Kieren Doherty, Hayley Richards and Catie Raymond. Anna and Catie, both 11 years old, are members of Adelaide Youth Strings, while 13-year-old Kieran is a member of the Adelaide Youth Sinfonia. Emily and Hayley, both 21, are with the Adelaide Youth Orchestra. Photo by Tony Lewis

The Adelaide Youth Orchestra (AdYO) celebrates youth music in South Australia by nurturing and developing the talents of emerging young artists between the ages of eight and 26 from every part of the community.

Each week more than 160 young musicians participate in one of three ensembles: Adelaide Youth Orchestra, Adelaide Youth Sinfonia or Adelaide Youth Strings.

Under the direction of artistic director Keith Crellin, Head of Strings at the university's Elder School of Music, AdYO offers young musicians the opportunity to practice and perform in a vibrant and challenging musical environment.

"Passion" is the third concert in the AdYO's Symphonic Journeys series, and will be held at 8pm on Saturday, October 23.

Among the works on offer is Beethoven's *Romance in F for Violin and Orchestra* with soloist Emily Tulloch.

Emily completed her Bachelor of Music degree at the Elder School of Music in 2003 and this year is taking

Honours. She has participated in the last four National Music Camp programs, holding the position of Principal Second Violin, and has also worked with Jane Peters. Emily has led both the symphony and chamber orchestras at the Elder School of Music and is currently the concertmaster of the Adelaide Youth Orchestra.

Other features of "Passion" are Tchaikovsky's *Symphony no. 4* and Australian composer Richard Meale's *Three Miro Pieces*, which features a barrage of percussion. This is the first time that AdYO has presented a contemporary Australian work.

"It is a wonderful, colourful program," said conductor Keith Crellin, "from Tchaikovsky's centrepiece in Russian Romantic music to the massive contemporary orchestra of Meale's composition to the solo work played by Emily Tulloch – the orchestra makes a splendid sound."

While the youth ensembles have performed many concerts to great acclaim, a highlight of the program this year was the highly successful

combined concert "Adventure" in June, as part of the 2004 Symphonic Journeys season.

Later this month, the Adelaide Youth Sinfonia and Adelaide Youth Strings will join to present "Wild West!" on October 24 at St Oswald's Church, Parkside. The concert will include works by Schubert and Mozart, as well as contemporary favourites from the movies and the Beatles!

Adelaide Youth Orchestra Passion

Saturday, October 23, 8pm
Elder Hall, University of Adelaide,
North Terrace Campus

Tickets: \$18, \$15 concession,
\$10 child (plus booking fee)

Bookings through BASS: 131 246

Walford 2004 LECTURE
 A Different Kind of Wealth
 Presented by **Geraldine Cox AM**, Sunrise Children's Village, Cambodia
 And chaired by Mrs Helen Trebilcock, Principal
Thursday 4 November 2004 at 8.00pm
 In the Helen Reid Hall
 Walford Anglican School for Girls 316 Unley Road, Hyde Park
 Please telephone the School on 8373 4062 for reservations
 Free Admission