

Adelaide takes lead with \$15 million 'watershed' scholarships scheme

A MULTI-MILLION-DOLLAR scholarships package aimed at keeping the brightest South Australian students in the State and attracting excellent students from interstate and across the globe has been launched at the University of Adelaide.

The Adelaide Scholarships package includes \$12 million of incentives for students, as well as full remission of fees for most scholarship winners—a total package worth about \$15 million.

For the most prestigious winners the new scheme will be worth up to \$100,000 each, covering all fees plus \$10,000 for living expenses over the course of the undergraduate degree and up to \$30,000 for postgraduate study. The University believes they are among the most attractive scholarships available in Australia.

The scheme includes \$3.5 million of new funds contributed by the University, the State Government and industry, and a revamp of existing scholarships.

The Vice-Chancellor of the University of Adelaide, Professor Mary O'Kane,

said the scholarships would provide assistance and encouragement for about 600 new students next year, with about 340 scholarships going to undergraduates.

"This announcement is a watershed for the University of Adelaide and the State of South Australia," she said.

"The scholarships send a signal to the nation and the region that South Australia's leaders are working together to provide the best educational opportunities.

"The University of Adelaide, judged by objective measures, is one of the best universities in Australia—and Adelaide is one of the most attractive places in the world to study.

"This program will enhance Adelaide's growing position as an education city, with the aim of seeing thousands of students living and studying in the city centre."

The Minister Assisting the Premier for Information Economy, Dr Michael Armitage, said the Government believed the scheme would be critical to the State's economic future.

"The Government will provide \$900,000 over the next three years to support scholarships at the University of Adelaide," he said. "This will be a major strategic investment in the development of South Australia as a national and regional powerhouse for high technology industry.

"Information technology has become one of the State's fastest growing areas for employment. Research last year showed our IT and technology industries had an average growth rate of 28%. This investment will help develop the success of our local high tech industries further.

"It will stop the flow of our brightest young people out of the State, and attract talented students from around Australia and overseas."

Details of the Adelaide Scholarships

The centrepiece of the new scheme is a group of 18 prestigious undergraduate scholarships for the best students from Australia and overseas (six will go to international students).

Each scholarship winner will pay no fees for their entire undergraduate course and receive a yearly allowance of \$10,000. Two matching scholarships for overseas students have been funded by the Alumni Association.

At the postgraduate level, the many existing Commonwealth and University-funded scholarships will be bolstered with 18 generous new scholarships. These places will be exempt from fees and HECS and will be worth up to \$26,000 plus other benefits to the 12 Australian winners. Six international postgraduates will also benefit under the scheme.

New Enterprise Scholarships are an innovative feature of the package. These will encourage successful students with good business ideas to embark on enterprise education at the University. The International Enterprise Scholarships will enable excellent projects to be developed further in venture capital-rich "incubators" overseas, including the highly successful IC2 at the University of Texas in Austin.

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Coaching China into the world trading system

THE UNIVERSITY'S School of Economics will play a significant role in China's bid for World Trade Organisation (WTO) membership through a multi-million-dollar expansion of its extremely successful international economics and trade policy training program.

Professor Kym Anderson, Director of the Centre for International Economic Studies (CIES), recently returned from Beijing where finishing touches were put on the ground-breaking China-Australia Economics and Foreign Trade Training Project.

"Through this project the University of Adelaide is getting great exposure in the economic ministries and research institutes in China," Professor Anderson said.

The four-year, \$7.4 million program—to be officially launched in Beijing in October—is a joint venture between AusAid and the Chinese Ministry of Foreign Trade and Economic Co-operation.

The School of Economics is responsible for much of the program's implementation through two of its research centres—the CIES and the Chinese Economics Research Centre (CERC). ANU's Research School of Pacific and Asian Studies also will be involved.

To qualify for WTO membership, China is having to massively reform its trade policies and decision-making structures. This is potentially great

news for Australian exporters, Professor Anderson explained, because "opening up the economy to trade is a crucial part of the process of reforming that formerly planned economy."

Before trade policies can be effectively overhauled, however, Chinese trade officials need to understand the obligations of WTO membership. That's where the University of Adelaide's world-class international economists enter the picture.

The first phase of the training program began in 1996 and has involved training in Adelaide a dozen Chinese trade officials each year via the Graduate Diploma in International Economics (GDIE), a program developed specifically to meet their needs.

Chinese officials have been extremely enthusiastic about the results. The students have performed well, with groups to date achieving a near-distinction level grade average. Graduates have also performed well upon their return to China.

Australia's Ambassador to China was so impressed that when Prime Minister John Howard visited China in April 1997 officials organised a special meeting between him and the Chinese graduates of the Adelaide program.

"We're pleasantly surprised at how well the program has been received at the other end (in China)," Professor Anderson said.

The next phase of the program



Prime Minister John Howard with graduates of the Adelaide program. Photo courtesy of CIES.

continues the GDIE training program to the end of the decade but adds three other key elements:

- in-country, short-course training for a much wider range of trade officials in Beijing and provincial capitals,
- a joint trade policy research program, and
- a program for professors at Beijing's University of International Business and Economics to spend time at Adelaide, ANU and other Australian

universities to improve UIBE's teaching and research capabilities.

In the first instance, the GDIE program will be enhanced to include a 'train-the-trainer' component to enable graduates to assist other Chinese trade officials to develop capabilities for implementing necessary policy reforms. A series of 12 workshops will be conducted in Beijing over four years under this part of the program.

Continued on Page 4



Very Funny

A friend recently drew my attention to an article in *Chemistry in Australia* which is the report of an after-dinner speech by Michael Gallagher. He pokes fun at universities for having embraced the "new managerialism" in the wake of the Dawkins reforms of the late eighties, railing against treating courses as products, the use of performance indicators and review planning for staff. His amusing jeremiad started me thinking about universities and I realised that they don't actually change their ways without good reason; in fact they are very hard institutions to change at all. But there have been important major changes in the way universities consider management and governance at all levels, from research centres through to whole-of-university activities. These have not been made, I believe, as a response to the Commonwealth's emphasis on improving management in universities, but rather as a result of the withdrawal of Government funds.

Actually it is possible for universities to take too much notice of their biggest single funding source, and as I often say in this column (largely to remind myself), universities now really need to concentrate on the main game. For a university such as Adelaide, with a great tradition and aspirations to be one of world's great universities, we have to keep our eyes very firmly on the ball indeed. And that ball is not hard to describe. The essence of great universities is quite simple—they harbour great scholars, that is, great students and great staff working to advance knowledge and to extend its frontiers in a fearless way. Really that is all there is to it.

Of course it costs to bring great scholars together, and if they are going to advance knowledge in a major way, they need to have sufficient time and the very best facilities. So in order to achieve greatness, one certainly needs funds. However, funds tend to accrue to universities that are already high achievers. This week the University of Adelaide takes a major step forward in its efforts to attract the very best students from around the world with the announcement of one of the most progressive scholarships packages in Australia. We are keeping our eyes very firmly on the ball. We are ensuring that we do indeed attract the very best students.

I am greatly indebted to Dr Mike Gallagher, FRACI, of the University of NSW's School of Chemistry, for inspiring these thoughts.

MARY O'KANE

COMMENTARY

UNDERGRADUATE TEACHING NOT A SIDESHOW

The Conference of Deans of Arts, Social Sciences and Humanities (DASSH), held at the University of New South Wales in July, inevitably took place in the substantial shadows cast by the West Review, the report on research funding in the Humanities prepared for the ARC by the Academy of the Humanities, and the difficult decisions to be made in response to continuing cutbacks in the public funding of universities.

Just about all the sessions—whether focused on research or on curriculum, on flexible learning or vocational training and generic skills—were preoccupied with the difficulties of maintaining balance between the increasing number and range of demands placed upon universities and their staff and the need to maintain high performance in the central activities of teaching and research.

But, while it was valuable and interesting to hear of the different ways in which faculties of Arts around the country have responded to these difficulties, the most significant session of the conference, for me, was centred on an American review document, 'Reinventing Undergraduate Education: A Blueprint for America's Research Universities,' prepared by the Boyer Commission and funded by the Carnegie Foundation for the Advancement of Teaching.

The Boyer Report, which can be found on the web at <<http://www.sunysb.edu/boyerreport>>, offers an extensively-researched and extremely thoughtful account of the educational issues that can emerge as important in any university which declares itself primarily a research-based institution. In view of the current strategic directions of the University of Adelaide, it might be timely to comment on some of the report's findings.

The Boyer Report begins by acknowledging the leading role of the research universities in the higher education system in the United States: "Their graduates fill the legislature and boardrooms of the country, write the books we read, treat our ailments, litigate our issues, develop our new technologies, and provide our entertainment. To an overwhelming degree, they have furnished the cultural, intellectual, economic, and political leadership of the nation."

Still, it goes on to argue, they have too often failed their undergraduates. Against the glossy advertising background of Nobel-prize-winning researchers, world-famous professors and excellent facilities lies the reality that many students graduate without ever having glimpsed the research leaders or their research, having accumulated the necessary number of courses or points but without having acquired a coherent body of knowledge whose relationship to other fields they understand and whose principles they can communicate articulately and cogently.

The Report's analysis of the reason for the disjunction between areas of endeavour is focused on the primacy accorded to research in the measurement and assessment of the value of institutions, areas and individuals. There are few incentives to give real attention to undergraduates and teaching. Research universities, the authors insist, must make the fullest use of the intellectual and other resources of their research and graduate programmes to inform the distinctive nature and quality of the undergraduate experience they offer.

The way forward begins with an attentive selection

by
Professor Penny Boumelha
Head, Division of
Humanities and Social
Sciences

process that will bring to the university those students best equipped to flourish in the research environment, and these are identified, not by particular intellectual skills or examination methods, but by a disposition to certain ways of learning: "the

undergraduate who flourishes at a research university is the individual who enjoys diverse experiences, is not dismayed by complexity or size, has a degree of independence and self-reliance and seeks stimulation more than security."

The research university, says the Boyer report, is an intellectual ecosystem, its component elements bound together by shared goals of investigation and discovery; all of us must be learners even though some of us are teachers.

When it comes to specific recommendations, the Report points to a number of clearly articulated courses of action, not all of them, perhaps, as practicable in Australia as they might be in the United States. Those that most attracted me and which I am bearing in mind in the process of Divisional planning included the following:

- rebalancing resources between research and teaching, with 'guided research' under the aegis of a specific mentor as an important component of the teaching and learning process;
- constructing an inquiry-based first year, with a clear focus on research and communication skills, a balance between independent effort and joint projects, and access to a breadth of disciplines and methodologies;
- breaking down disciplinary boundaries and associated departmental hegemony to allow students to encounter interdisciplinary study and research from the outset;
- making sure that intellectual research skills—such as framing meaningful research questions or evaluating the nature and status of materials—underpin and guide the acquisition of technical skills in the use of the new technologies;
- incorporating professional training in teaching skills alongside research skills in the experience of postgraduates; and
- changing the reward system, so that good teaching is recognised as a valid form of leadership, so that research-based conferences incorporate sessions focusing on new ideas and course models for education, and funded research programmes provide for undergraduate participation.

The core of the Boyer Report lies in its urgent sense that undergraduates must be able to benefit from the unique opportunities and resources that characterise the research university. Undergraduate teaching is not a 'sideshow to the main event'; it is what guarantees the continuation and continuity of the 'community of learners' that is a university.

As universities in Australia face an unpredictable future, I believe that we will need to come to terms very quickly with the distinctiveness and specificity of our various missions. The University of Adelaide is rightly very proud of its reputation as an institution of demonstrably high quality in its research, and that status must continually and explicitly inform the education that we offer our undergraduates. The Boyer Report provides some valuable starting-points in thinking through how we are to achieve that goal.



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The newspaper of The University of Adelaide

Image & Copy Centre looks to future

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One of the new concepts incorporated into the Image & Copy Centre is "printing on demand". With printing on demand, the Centre scans and stores documents. Rather than doing a once-off bulk print, which can cause waste and result in storage problems, the stored documents can be printed whenever they're needed in the right amount needed.

The launching of the Image & Copy Centre by manager Mr Paul Finlay on 6 August also featured a talk by Mr John Murphy from Fuji Xerox. He spoke about the future technology for copying and printing services and its impact on



Printing Supervisor Peter Bird demonstrates the new colour photocopier to the Elder Conservatorium's Helen Simpson. Photo: David Ellis.

organisations such as the university, which relies heavily on large volumes of printed material.

For more information about the

range of services provided by the Image & Copy Centre, call ext. 34690.

—David Ellis

Getting 'smarter' by the day

THE UNIVERSITY of Adelaide's "smart card" for staff is on track for issue in October 1998.

Design and development of the card follows the release earlier this year of the University's student "smart card"—a first for an Australian university. Like the student card, the staff card will serve a variety of functions presently met by two or more cards, including library loans, building access and staff identification.

It will also function as a reloadable phonecard and an electronic purse, enabling small amounts of cash to be stored and used for photocopying and for purchases at a network of retail outlets, payphones and

vending machines being developed by Telstra.

The card has been designed so that the one format can be used for both staff and student cards, with the new design replacing the current student card from next year's enrolment period.

Arrangements are also being developed for cards with some of the functions of the smart card, which can be made available to visitors and persons associated with the University who are not eligible for a personalised staff card.

A variety of card reloader terminals and smart payphones are being tested and installed on campus this month, increasing the "smart"

functionality of the student card. The network will be fully in place by the time the staff card is released in October.

Smart Card project director, Dr Adrian Graves will explain the card and its uses at a meeting in the Council Room on Thursday 27 August at 1pm. All staff are cordially invited to attend.

Further stories and information will appear in the *Adelaidean* in coming weeks. The Smart Card web site will also be updated shortly with more detailed information on the card and the arrangements for its distribution to staff as the issue date nears.

—John Edge

Dr Bill Stuart remembered



TIM KIVIOR, a PhD candidate in the National Centre for Petroleum Geology and Geophysics (NCPGG), has won two scholarships dedicated to the memory of the late foundation director of the NCPGG, Dr Bill Stuart, who died in 1996.

They were the Bill Stuart Memorial PhD Scholarship in Petroleum Geosciences and Engineering, awarded by the Australian Petroleum Cooperative Research Centre; and the NCPGG Bill Stuart Memorial Scholarship.

Mr Kivior is a Science graduate of the University of Adelaide who began his PhD studies this year.

Dr Stuart was posthumously awarded the 1998 Lewis G Weeks Memorial Gold Medal this year, in recognition of his outstanding contribution to the petroleum exploration and production industry in Australia.

Left: Tom Kivior (left) is congratulated by Dr Stuart's wife, Phillipa Stuart, while the director of the Australian Petroleum CRC, Peter Cook, looks on. Photo courtesy of NCPGG.

NEWS IN BRIEF

VIRTUAL TRAJAN

The old and the new come together in a seminar presented by the Friends of the Museum of Classical Archaeology in conjunction with the Australian Archaeological Institute at Athens (AAIA) on Friday 21 August at 2pm in Room 723, Hughes Building.

The speaker is Dr John Papadopoulos, 1998 AAIA Visiting Professor and Research Fellow at the John Paul Getty Museum in Athens.

His presentation will focus on the virtual reality model of the Forum of Trajan in Rome constructed at the School of Arts and Architecture at the University of California (Los Angeles).

Dr Papadopoulos will discuss the uses, benefits and potential shortcomings of virtual reality modellings and computer visualisations for the field of classical archaeology.

OCEAN BY NIGHT

South Australian Ambassador for the International Year of the Ocean, Mrs Barbara Hardy AO, opened a new exhibition on the Ocean at the SA Museum on 6 August.

"Ocean by Night" is a joint project of the Museum and local wildlife artist Sue Stranger, and depicts more than 80 species of Australian temperate marine life.

The exhibition is part of the International Year of the Ocean agenda. All artworks in the exhibition are for sale, with part proceeds funding scientific research to contribute to the protection of Australia's temperate waters.

"Ocean by Night" runs daily until 9 October, and admission is free.

MULTICULTURAL WEEK

The Overseas Students' Association (OSA) will present its annual M-Week in celebration of cultural diversity and multiculturalism from 24-28 August.

OSA President Zulie Baharom says the emphasis this year is on promoting multiculturalism in the University as well as fighting against racist attitudes and behaviour.

Mr Michael Abbott QC and Dr Robert Catley will address students on multiculturalism and racism on Monday 24 August at 1pm in the Union Cloisters. On Tuesday 25 August speakers from different cultural backgrounds will share their experiences and interesting aspects of their culture.

Wednesday 26 August sees the opening ceremony for Multicultural Week, with performances and food stalls on the Barr Smith Lawns for the rest of the week.

AN ENGINEER IN CHINA

1998 Fulbright Postgraduate Student Award winner Mara Warwick will present a talk, "An Engineer in China" in the Department of Civil & Environmental Engineering on 31 August.

Ms Warwick, who won the inaugural Alumni University Medal, graduated with Honours in Civil Engineering in 1992. She has been in Shanghai, China for four years, working as a consulting engineer and project manager in environmental and water engineering.

In September this year she begins studies for a PhD in environmental engineering at Stanford University in the USA, in the area of environmental policy implementation in China.

The talk is at 4pm in Room N132, Engineering North.

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Freemasons Trust to boost The Queen Elizabeth Hospital

MEDICAL RESEARCH at Adelaide's Queen Elizabeth Hospital is to receive a major boost thanks to a new Trust jointly established by the Freemasons of South Australia and The Queen Elizabeth Hospital (TQEH) Research Foundation.

The Freemasons Medical Research Trust is expected to donate more than \$1.5 million to the hospital over the next four years.

University of Adelaide departments based at the hospital will benefit from the move, with more funding available for postgraduate research efforts.

TQEH Research Foundation is already an important source of funding for the University's medical research, with 15 PhD students and many other students and researchers supported by the Foundation.

The new Medical Research Trust, to be administered through the Masonic Foundation (the charitable arm of Freemasonry in South Australia), will complement the fundraising efforts of TQEH Research Foundation and provide a significant boost to research funding.

Mr Ron Fletcher, executive director of the Masonic Foundation, said the Freemasons had always been committed to helping South Australian organisations, particularly within the health sector.

"Up to 60% of our charitable funds are currently directed towards community health," he said.

"The development of research at TQEH is seen by Freemasons as being of significant economic and scientific benefit to South Australia.

"We see our contribution as providing a major resource for researchers and an important step forward for all South Australians."

The chairman of TQEH Research Foundation, Dr Henry Betts, said a campaign to raise funds for the Trust would begin later this year, with the major thrust under way in January 1999. The motto of the campaign will be: 'The Key to Research for Life'.

The publicity generated by the establishment of the Trust had already encouraged one member of the community to offer a \$7000 donation, Dr Betts said.

• For more information about the Freemasons Medical Research Trust, contact TQEH Research Foundation on (08) 8222 6824 or the Masonic Foundation on (08) 8443 9909.

Coaching China into world trading system

From Page 1

"It's designed so that our graduates not only will become good policy implementers themselves but also so they can pass on the message about the need for and likely effects of reform," Professor Anderson said.

A second series of 24 workshops, of between one and three weeks' duration, also will be developed to look specifically at what is necessary to conform with each of the Uruguay Round agreements. Six trainers will come to Adelaide to help develop the 12-module course.

A third series of four workshops will explain to senior officials in the various economic ministries why membership of the WTO is so important for China and what it will entail for their staff, Professor Anderson said.

Training efforts will be enriched by a cooperative Australia-China trade policy research component.

This \$600,000 component of the overall program will fund six collaborative research projects, to be awarded on a competitive basis.

Results of the first project, on globalisation, are expected to be presented at a high-level conference in Beijing in mid-1999.

Finally, institution-to-institution collaboration with Beijing's University of International Business and Economics, which is attached to the foreign trade ministry, will aim to improve delivery of UIBE's postgraduate courses in international economics.

That could include CIES helping to produce 10 modules for a GDIE-style course to be delivered at the Chinese institution.

Chinese government ministries are currently undergoing significant restructuring, with about half the staff being cut across the board. When the dust settles, there will be a much-streamlined bureaucracy with higher quality and younger

officials in senior positions—and the University of Adelaide will have trained a significant proportion of them, Professor Anderson said.

"For China this training and research program is very pertinent, but it's also potentially of great interest to other countries.

"What we're doing in China is equally relevant for Vietnam, Laos and other formerly planned economies that are reforming their policies and seeking to become members of the WTO."

Success has its price, however. Chinese officials' interest in coming to Adelaide has gone through the roof. At the moment the School is expecting several study tours per year from China over the next four years.

"I'm not sure how we're going to handle it," Professor Anderson said, but with a smile.

—Pamela Lyon

International best-seller for CIES

THE CENTRE FOR INTERNATIONAL ECONOMIC STUDIES has a 'runaway' international best seller on its hands, and there isn't one mention of sex in the entire tome.

The Dictionary of Trade Policy Terms, compiled by economist Walter Goode literally in his spare time and now in its second edition in as many years, already has been translated into Chinese, Korean and Vietnamese and published locally in those countries.

The greatest demand has come from World Trade Organization headquarters in Geneva, where it has been the best seller in their bookshop for more than a year. Also in the WTO's 'top 10' is another CIES book, *Strengthening the Global Trading System*, edited by Professor Kym Anderson, CIES Director.

CIES publications are gaining an ever-expanding national and international readership. The latest addition to their list is a series of three reports on the economics of the wine industry, which have received considerable media coverage in the past month.

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Fruitful move from art history to the art of wine

IT WAS AT A small vineyard at the base of the escarpment on the western side of Lake George in New South Wales that an idiosyncratic winemaker captured Alex McKay's imagination and ignited a passion to one day make wine himself.

Having studied arts for several years, including an honours degree in art history, Alex's interests diverged after spending many a weekend listening to, talking with and watching a "fastidious" seventy year old care for his vines.

The man is Dr Edgar Riek, the first vigneron in the Canberra district and a former visiting professor of entomology at the University of California, Berkeley, who owns and runs The Lake George Winery.

"Dr Riek spends nearly every day in the vineyard, does not use any analytical equipment, which is rare these days, picks his berries on flavour and produces wines without any additives," Alex said.

"You could describe him as a Burgundy enthusiast—he tries to emulate the way they're made."

Since moving to Adelaide nearly four years ago to start his Bachelor of Agricultural Science (Oenology) degree, Alex McKay has excelled at his studies.

Recently, he won the Burns Philp 'Maurivin' Prize for the

student gaining the highest aggregate in the third year of the course, and the Air Liquide Wine Technology Prize.

He also scored top marks in second year, winning the Brokenwood Wines Prize. This gave him the opportunity to spend twelve weeks working as a cellar hand at Brokenwood Wines in the Lower Hunter Valley during the current vintage.

He was exposed to a wide range of work and became acquainted with unique regional styles of wine.

Since 1996, Alex has been involved in a project, which began through a Cooperative Research Centre for Viticulture (CRCV) Summer Studentship, to determine the appropriate regions of Australia for the growing of native Italian grape cultivars.

While the study initially was a three month position based at Dromana Estate Vineyards on the Mornington Peninsula in Victoria, it has the potential to be extended and Alex has remained an active member of the team.

"It has been a great project because it's giving me experience on the viticultural side, which is an ideal complement for studies in oenology," said Alex.

The project has been conducted under the guidance of Garry Crittenden, managing director

of Dromana Estate Vineyards, CRCV Director Dr Jim Hardie, and Dr Peter Dry from the University of Adelaide's Department of Horticulture, Viticulture and Oenology.

There are six varieties which the research team perceives to have some potential, and which have been the focus of the research. They include the red varieties Dolcetto, Barbera, Nebbiolo, and Sangiovese and two white varieties, Arneis and Vernaccia di San Gimignano, both quite limited in the extent of their cultivation in Italy.

Last September, Alex spent two weeks in Piedmont, Emilia-Romagna and Tuscany in Italy meeting academics, grape-growers and winemakers and soliciting information on the climate and cultivation of specific varieties within those regions.

The visit was made after a detailed climate study had been conducted back in Australia.

Alex has been working with the other three members of the research team on writing a paper about the outcomes of the project and there are plans to have it completed in the latter half of the year.

The CRCV Summer Studentship project was financially supported by the Wine Press Club of NSW and Dromana Estate Vineyards.

—Anne Lucas



Alex McKay: summer studentship led to study of native Italian grape cultivars. Photo courtesy of Peter Fuller & Associates

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ACUE 25th Birthday Seminar Series

THE SECOND of a series of Web presentations is now on the ACUE's 25th Birthday site: <<http://www.adelaide.edu.au/25th/acue.html>>.

Associate Professor Pat James (Science) presents his views on "The Virtual University".

Virtual surgery, virtual advertising and virtual cruising (Mercedes style) all featured prominently in a recent issue of *The Australian* (16/7/98) and emphasise the 'reality' of new virtual paradigms.

Likewise, virtual universities are

experiencing explosive growth: from Strathclyde to Simon a new breed of online educators is ready to 'push' technology to the people.

Staff and students are invited to join in the Web-based discussion and then to attend the seminar on Tuesday 25 August, for an opportunity to discuss face-to-face Pat James' presentation on the ACUE's 25th Birthday site.

Tuesday 25 August at 1.00pm in the ACUE Seminar Room, 6th Floor, Hughes Building. BYO lunch, tea and coffee supplied.

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Dream and reality merge for Trust winner

A UNIQUE interest in Science and the Arts has resulted in University of Adelaide student Helen Chandler winning a major scholarship to study at Oxford University.

Ms Chandler graduated from Adelaide University with Honours in Science (Biochemistry) in 1996 and is now in her second year of an Arts degree.

Her combined interests in biochemistry and archaeology led her to apply for a prestigious Wellcome Trust (UK) scholarship, which she was awarded earlier this year.

In October Ms Chandler leaves Adelaide to undertake a DPhil (PhD) in Bioarchaeology at Oxford's Institute of Molecular Medicine, where she will be involved in research to analyse DNA samples taken from human bones recovered at Pompeii.

"I'm really excited about the opportunity," Ms Chandler said.

"I enjoy biochemistry a lot—I feel that's where my strengths lie as a research scientist—but I'm really interested in some of the archaeological applications of biochemistry.

"I guess for me the main thing is being able to combine the concepts of an Arts discipline with the scientific method. Archaeology is the dream and science is the reality, and now I can combine them," she said.

Ms Chandler searched the world looking for research groups that would enable her to follow her interests.



Helen Chandler—decision to study Arts and Science extremely important. Photo: David Ellis

Professor Bryan Sykes from Oxford responded to her letter and said he had room for a postgraduate student. He jointly applied with Ms Chandler for the Wellcome Trust scholarship, which provides funding to both the student and the research group.

Professor Sykes, a colleague of the University of Adelaide's head of Anatomical Sciences, Professor Maciej Henneberg,

has conducted a great deal of research into DNA analysis from bone.

The project Ms Chandler will be working on is aimed at understanding more about the 2000-year-old victims of the Pompeii volcano disaster.

"I'm really fortunate that Professor Sykes has access to those samples.

"They've already done some pre-

liminary work, making sure they can extract DNA from the bones and get some meaningful data.

"Now they want to do a systematic study of the remains and do a genetic profile of the population, which is what I'll be involved in," Ms Chandler said.

When she has completed her research in the UK, Ms Chandler said she would like to bring the knowledge she's gained back to Australia.

"Because it's a fairly small field I think it would be really valuable for me to learn all the techniques of DNA recovery from bone that I can, come back to Australia and be able to apply that knowledge here.

"If at all possible I'd like to work in bioarchaeology in Australia," she said.

Ms Chandler said the decision to study Arts as well as Science had been an extremely important one.

"I had a good idea that I was a science person, but I wasn't absolutely certain. The Arts degree has been great fun, and it's enabled me to do a number of things that as a science student you just can't do.

"Even though I won't be able to complete my Arts degree right now I'm glad I've had that experience, and I think it will be a great help to me in the future," she said.

—David Ellis



5UV News

• 5UV will be broadcasting and netcasting two seminars being organised by the Student and Staff Services Division in September. The seminars will also be retrospectively available on the Station's website. Each seminar will be looking at a particular aspect of staffing at the University. More details in the next edition of the *Adelaidean*.

• All three University student associations are involved in Student Radio from 9:30pm every night on 5UV. There are some innovative, challenging and entertaining programs produced by the students. Tune in for a surprise.

• On 5MBS you can hear Conservatorium lecturer Keith Hempton on Monday 17 August at 8pm presenting Schumann's *Frauenliebe und Leben*. Adelaide in Concert on 5MBS and 5UV at 10am on Wednesday 19 August (repeated 8pm Sunday 22 August on 5MBS) features the Adelaide Philharmonia Chorus and Orchestra with Beethoven's *Mass in C*. The following week features the Elder Baroque Ensemble.

• The Notable Lectures on 5UV at 11am on Sundays features last year's Inaugural Lectures.

16 August: Professor Margaret Sedgley (Horticulture, Viticulture and Oenology); "Plant Liberation"

16 August: Professor Don Moyes (Anaesthesia and Intensive Care); "While some must sleep, others must watch"

23 August: Professor Maciej Henneberg (Anatomical Sciences); "Human evolution is not a theory about the past: it happens now"

23 August: Professor Joseph Wiskich (Botany); "Plant mitochondria: you will wish you had them"

30 August: Professor Chilla Bulbeck (Women's Studies); "A fair deal for the fair sex? feminism in the next millennium"

30 August: Professor Robert Goldney (Psychiatry); "What do we really know about suicide behaviour?"

Selling SA expertise to the world



Dean of Agricultural and Natural Resource Sciences Professor Malcolm Oades, Vice-Chancellor Professor Mary O'Kane and Mr Malcolm Buckby, MP. Photo courtesy of Anne Lucas.

\$15 million Scholarships Scheme

From Page 1

In addition, 25 students will be awarded \$3000 each to study for their Honours year at the University of Adelaide. Recognising the importance of science, the University's Science Faculty will reward 35 students with the \$500 Adelaide Science scholarships. Adelaide is one of the nation's leading research universities and 75 students will receive an allowance to work for six weeks over summer with the University's world-class researchers, potentially laying the groundwork for a career in research.

One hundred students will receive \$2500 to study overseas at one of

the University of Adelaide's many partner institutions, as part of the University's distinctive Study Abroad program.

Adelaide Rural Scholarships, which exempt winners from HECS and include a \$1000 allowance, will be awarded to 10 country students. Twenty similar scholarships will be awarded to students from disadvantaged backgrounds.

—David Washington

A toll-free hotline on 1800 061 459 has been established to handle inquiries about the scheme, or e-mail the University at sio@registry.adelaide.edu.au to receive an information package.

THE MINISTER for Education, Children's Services and Training, Malcolm Buckby, has endorsed the Division of Agricultural and Natural Resource Sciences' move to develop stronger international links.

At a recent conference on the Internationalisation of Education, Research and Consultancies held at the Waite Campus, Mr Buckby said the Division needs "to grasp the broad range of opportunities for partnership in the quest for internationalisation of education, research and consultancy activities".

Mr Buckby spoke about how the University of Adelaide's international focus fits in with State Government policy and programs.

Speaking of the Education Industry Development Council, which had its inaugural meeting in July, he said:

"This is a major strategic development in which the secondary, vocational education and training, and higher education sectors will collaborate with the Adelaide City Council and State Government with the aim of producing significant educational and economic benefits for the State.

"A primary objective is to identify Adelaide internationally as an education city and to promote South Australian education and training opportunities in other countries."

Mr Hugh McClelland, Manager, Agribusiness Development, said the Division of Agricultural & Natural Resource Sciences was currently doing a stock-take of all its current links, "with a view to developing an international strategic plan, to help develop and focus our international activities in the next five years and beyond".

—Anne Lucas

Leading the way in healthy buildings

ADELAIDE ARCHITECT Ms Catherine Woolcock has become the first South Australian to be awarded the prestigious A V Jennings Churchill Fellowship, enabling her to study the world's best examples of ecological and "healthy" buildings.

Ms Woolcock graduated from the University of Adelaide with Honours in Architecture in 1990.

In 1996 she established her own architectural practice which deals with environmentally sustainable design, the ecology and health of buildings and heritage conservation.

She is also involved with the Royal Australian Institute of Architects and works with Urban Ecology, which is working towards the creation of ecological cities.

One of seven South Australians to be awarded the national 1999 Churchill Fellowships, Ms Woolcock will visit New Zealand, the US, Norway and Germany to learn more about healthy indoor building environments.

"Australians spend on average 90% of their time indoors, whether it's in their homes, in an office, or travelling in a vehicle. The health of the indoor environment is therefore extremely important," Ms Woolcock said.

"Research throughout the world is showing that there appears to be a strong link between many diseases and environmental factors. The Environmental Protection Authority in the US consistently lists indoor air pollution among the top five environmental problems. But unfortunately it's usually something that people don't think about.

"Architects have a role to play in this emerging field because we can design buildings and environments which minimise indoor air pollution and hence are conducive to people's health," she said.

Ms Woolcock herself suffered from an environmental allergy—an allergy to natural gas. She said there could be many factors within homes or offices that might have an impact upon people's health: toxic emissions from synthetic building materials and



Catherine Woolcock. Photo courtesy of Royal Australian Institute of Architects, SA Chapter.

furnishings, heating and combustion products, chemically based cleaners and pesticides, lack of ventilation... the list goes on.

"Although I was already interested in indoor air quality, the allergy I suffered from allowed me to empathise, and realise how important it is to other people who are suffering from asthma or allergies.

"Australia has one of the highest rates of asthma and allergy in the world. About one third of South Australian school children either have asthma or allergies, so it's a very big problem," she said.

The cutting edge technology in this field can be found overseas, which is where Ms Woolcock is headed in March next year thanks to the Churchill Fellowship.

"This kind of empirical knowledge isn't readily available in Australia, so I'd like to find out as much as I can and distribute the knowledge as widely as possible when I come back," Ms Woolcock said.

"I was really thrilled to receive the Churchill Fellowship. To be given the chance to go overseas and learn about these things from the people who are doing the best work in the world, it's really a dream come true.

"The architecture course at the University of Adelaide taught me good research and investigative skills, to think for myself and have the confidence to consider and solve problems differently. This, and the mentorship of architect Gerhard Schurer, have been invaluable to the direction I am now pursuing," she said.

—David Ellis

Florey's Fabulous Festival of Science

PLANS are well in hand for the Florey Centenary Celebrations in September, with a highlight being Florey's Fabulous Festival of Science on the University of Adelaide Barr Smith Lawns and the University of South Australia Reid Building Lawns on Sunday 20 and Monday 21 September.

Events include:

Florey's Food and Wine Affair: The latest research and developments from the University of Adelaide's Faculty of Agricultural and Natural Resource Sciences and SARDI.

Florey's Debate: Science vs Sport. Centre stage on the Barr Smith Lawns, with luminaries and students from both fields, Lord Mayor Dr Jane Lomax-Smith in the chair and a \$2000 prize for the student body of the winning team donated by Santos Ltd.

Science Personified: interactive talks with Ian Doyle.

Engineering and Mining Showcase at UniSA.

1998 Oliphant Science Awards: winning entries on show, courtesy of the SA Science Teachers' Association.

"Everybody": colourful, contemporary and informative for all ages. Presented by the Investigator Science and Technology Centre.

Tall Poppies display: the Florey symbol in bloom, presented by SA's Lewis Production Nurseries.

Solar Research: SA students build cars for the future. Presented by UniSA's Sustainable Energy Centre.

Science with a Twist: CSIRO's Double Helix Club's Cool Experiments with some of Australia's leading scientists.

Exhibits: from SA's three universities, the SA Chamber of Mines & Energy, SARDI Aquatic Science Centre, SA Space School, SA Museum, Science Teachers' Association, Investigator Centre, Australian Society of Microbiology, the Australian Wine Institute and many more.

The Elder Conservatorium will provide entertainment on centre stage, Barr Smith Lawns, during the day on Sunday 20 September, with a classical vocal quartet and a jazz violin and guitar duo.

The Festival will be complemented by **Florey's Cycle through Adelaide (20 September)** and **Florey in the Mall (16-18 September)**.

The Florey Festival of Science program is a vibrant tribute to the life and achievements of one of South Australia's greatest scientific figures. Key industry sponsors are FH Faulding & Co Ltd, Santos Ltd and Hoechst Marion Roussel Australia Pty Ltd.

The Florey year and web site were launched in Adelaide in February this year, and will conclude in Adelaide with the Florey Centenary Dinner on the eve of Florey Day, 24 September, 1998.

The Tall Poppies symbol is a metaphorical tribute to eminent Australian scientists whose achievements were against the odds. The Florey Centenary is the first of the national "Tall Poppies" program. Check the web site at <www.tallpoppies.net.au/florey>.

For further information, contact Trish Semple on 8211 7281, fax 8211 7889, email <tssolsga@senet.com.au>.

A L U M N I N E W S

INTERSTATE ALUMNI VISITS

The Alumni Association will be hosting receptions during August in Melbourne, Hobart, Canberra, Brisbane and Sydney for alumni living in those centres. Invitations have been sent out to some four thousand alumni. Further details are available from the Alumni Office.

GRANTS AVAILABLE FOR DOCTORAL CANDIDATES

The Alumni Association invites applications from Doctoral candidates for the AUGU/RC Heddle Award and the Mutual Community Postgraduate Travel Grants.

Both grants are provided to assist the recipient to travel to a conference or similar gathering to present his or her work, or to travel to another institution to learn a particular method essential to his or her work. Such travel may be undertaken within the state, within Australia, or overseas.

The AUGU/RC Heddle Award was instituted by the former Graduates' Union, and is now managed by the Alumni Association. Two grants of \$1250 each are available.

The Mutual Community Postgraduate Travel Grants are generated through a program set up by the Alumni Association and Mutual Community. Four grants, each of \$2500, are available.

Application forms may be obtained from the Alumni Office. The closing date for applications is Friday 18 September.

MEDIEVAL LITERATURE ON NET

English lecturer Tom Burton and Research Librarian Alan Keig invite alumni to explore the world of medieval literature on the Internet.

The Alumni Activities Program once again invites alumni to the Barr Smith library at 7:30pm on Thursday 24 September, for a demonstration of how modern information technology is extending our access to the literature of the middle ages.

(Please note that the date announced earlier in the year for this activity has been changed.)

There are plenty of places available, but please call the Alumni Office on 8303 4275 if you would like to come along, to help us with our planning.

DISCOUNTS FOR ALUMNI MEMBERS

Alumni Association members are reminded that Unibooks now offers them a special 12% cash discount for books purchased in the General section at the Adelaide University bookshop.

Please show your membership card at the counter.

This discount does not cover textbooks and other merchandise.

Members also receive 10% discount for courses offered by the Office of Continuing Education, discount for Theatre Guild tickets, discount for computer products and internet services at Camtech, access to the Barr Smith Library as community borrowers, and eligibility to purchase After-Hours Parking Permits and Member Services packages.

Ask at the Alumni Office for more information.

Rain proves no deterrent to Open Day



ARCHITECTURE (above): the Pagliaro family take a close look at students' building designs. **FOOD** (right): Esther Tobin from Graduate Studies helps prepare some tasty delights.



PHILOSOPHY (above): explained by the head of the Philosophy Department, Dr Chris Mortensen.



DEM BONES (above): 10-year-old Jessica peers up at the skeleton of Samorn the elephant (and friends) in the Anatomy museum.



YABBIES (above): holding the attention of five-year-old Matthew in the Science Discovery Centre.

ALMOST 8mm of rain fell on the city of Adelaide on Sunday, 2 August—but it wasn't enough to stop about 12,000 people from attending the University of Adelaide's Open Day.

Umbrellas in hand, people of all ages flooded through the University's gates to get a glimpse of life on campus.

The biggest success of Open Day '98 was the Career & Course Expo held in Bonython Hall.

The Expo provided prospective students and their families with all-important information about courses on offer at the University and where

they can lead after graduation. Bonython Hall was packed with visitors throughout the day.

Course information talks given by the various faculties were also a huge drawcard, with many of the lecture theatres full to overflowing.

And while the rain put a dampener on some of the events around campus, others were well attended—showing that the people of Adelaide really are interested in learning more about their University.

Meanwhile, over 180 students and the parents made their way to Roseworthy

Campus on Friday 31 July to gather as much information about courses and careers in agriculture, the environment and horse husbandry and management as possible.

With people travelling from as far away as western Victoria and New South Wales, students and staff were kept busy answering questions, taking tours and assisting wherever possible to help visitors make up their minds about tertiary education.

A full program of events covered topics from entry requirements and course information to tours of the teaching and accommodation facilities and

discussions with current students about their experiences.

About two-thirds of the group were interested in careers in agriculture, with a far greater proportion of those interested in environmental studies attending the North Terrace Open day on the weekend.

The Information Day was very successful, with congratulations to Philip Stott, Associate Dean (External Relations), staff and students for their efforts in making the day run smoothly and well.

—David Ellis
—Elizabeth Butler

ACCOMMODATION

BROADVIEW: 2 br fully furnished unit with a female presence. \$55 (incl. bills). Ph Nirmala 8333 8777 email: ndinesh@cieng.adelaide.edu.au

CITY: Share, 2brs avail between late Sept and early Jan, located just off Hutt Street in SE Corner of the city is walking distance to city centre - \$75 per week. Ph 8232 0241.

CITY: 5-E corner, fully-furn., air con, 2 br, lounge, family rm./ kitchen, laundry, 2 bathrms., small garden., available late September for 8 months. Ph 8223 6398.

CITY: Quiet SE corner. Share with 1 mature female. Cosy courtyard unit. Off street park m/bike only, not car. Furniture welcome. Rent

negotiable, 1 lrg or 2 small rooms. Ph. Trish 8232 4841.

GRANNY FLAT: Quiet tree lined street, 1 b.r. fully furn, close to Uni and Waite, transport. Refs & bond required. \$90 pw. Ph 8271 3386.

EASTERN SUBURBS: Wanted unfurn house to rent. 4 br, double drv, some garden areas - Sept. Excellent refs avail. Ph: 8271 3386.

GAWLER: Person wanted to share fully furn unit. 5 mins walk to train, bus and shops. \$55 pw. Ph 8303 7912.

HILTON: Lge unfurn rm avail, rest of house fully furn, share with female & dog. Big yard, off street parking, quiet area, close to shops & buses. \$80 pw (+bond) & exp. Pets neg. Ph Jennifer 8302 1635.

HOUSE SITTER AVAIL: 33 year old, single professional

ADELAIDEAN CLASSIFIED

working in Kent Town and Glenelg areas. Experienced with pets, gardens, pools & spas. Ph 8363 5212.

NORTH ADELAIDE: Share house with 2 males. \$70 pw + exp. Ph Peter 8267 4907.

PARKSIDE: Person to share 3 bedr. house. Open fire place, great location 5 mins from city. Ph. 8272 9772 (ah) or 8303 5709 (w.)

WANTED: Family of 4 require part furn accom in quiet area, eastern suburbs, from Sept - mid Dec 98 with sep study room. Ph 8379 8234.

WAYVILLE: Wanted, 1 person to share with 3 English guys. Fully furn, swimming

pool, near. city and transport, \$75 per week, non-smoker pref. Ph Nick 8222 5169.

FOR SALE

A2 PRO-BINDER with cooling tray. Exc. cond. Ph. Martin, 8356 9293.

BUILDING MATERIALS: Approx. 400 S/H Eureka Ballarat Roof Tiles at \$0.75 ea. Approx. 500 new bricks (commons) at \$0.25 ea. Ph. 8303 5467 or 8361 2835 (a/h).

CAMIRA: SL JE 2 ltr sedan, 1987, 5 speed, EI, air, towbar, 110,000 km, 5mths reg, good tyres. VNB 070, \$4100. Ph 8266 5570 (after 7pm).

HOLDEN HX: Sedan, 4 spd,

bucket seats, gas/petrol, engine rebuilt to gas specs, 70,000km, has flexi bar, spot lights, tow bar, rad/cass with extras, reliable, 3 mths reg, alarm, SXN 406. \$3,800 ono. Ph Andy or Gloria 8303 7803.

LAND: Block approx 659 sqm. Lot 30 Berrima Way, Sheidow Park. Ph 8322 7637.

MISC: 2-door fridge/freezer, GE, 450 ltr, \$250. Bicycle - 12 spd mens, light weight, \$55. Double bed on wheels, mattress, \$85 ono. Ph Mohsen 8222 7456 or 8340 3854.

MISC: Pure NZ wool carpet, top quality, offwhite as new cond, 4 lge rms. Half cost ono. UV Hanovia lamp \$150 ono; bicycles \$25 each; art deco bevelled mirrors & framed country-styled pictures \$5-\$60; large pine kids' playtable \$40. Peter or Anne-Marie

8373 3089 (ah), email <paws@camtech.edu.au>.

WEDDING DRESS: Lovely ivory satin, beaded off shoulder bodice, train with lace inserts, bow at back, size 10-12. \$600 ono. Ph Gloria 8303 7803.

MISCELLANEOUS

CHILDCARE: Reliable, refs avail, own transport. Ph Rebecca 8262 5134.

DEPARTMENTAL

TENDER: Holden Commodore S/Wagon, 1996, white, auto, 46,900km, ABS, air, tow pack. VVJ 178. Ph Kay Thompson, 8303 3183. Tenders in a sealed envelope marked Tender No W289 to the Purchasing Manager, Waite Campus by 26 Aug 98.

Bulletin Board

AUGUST 17, 1998

THE UNIVERSITY OF ADELAIDE

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MONDAY 17 AUGUST

12noon Plant Science Seminar: Mapping the yellow peril - epidemiology of grapevine yellows disease by Dr Rod Bonfiglioli (Plant Science). Charles Hawker Conference Centre, Waite.

12noon Student Services Forum: Food and catering, transport, child care, travel agent, post office, banking, books, stationery, gym, computer and other research support, careers counselling, employment service, training courses, scholarships, HECS exemptions, sports scholarships, emergency loans, loans, insurance, smartcard. Union Cinema.

1.00pm Microbiology and Immunology Seminar: Collaboration with a chemist- is it for you? by Dr David Ward (Dept of Chemistry). Departmental Library, 5th Floor, Medical School South.

1.00pm HCCR/IMVS Special Seminar: Transcriptional regulation of endothelial cell proteins by Professor Erhard Hofer (Vascular Biology & Thrombosis Research, University of Vienna). Verco Theatre, IMVS.

2.15pm English Seminar: Techniques of Novel Composition: Balzac, Flaubert, Eliot, Zola, Proust and Joyce by Professor Michael Wetherill (Manchester University). Room 618, 6th floor, Napier Building.

4.00pm Crop Protection Seminar: Do sheep regulate their own lice numbers? by Dr Peter James (SARDI Division of Parasitology, Turretfield Laboratories). Charles Hawker Conference Centre, Waite Campus.

4.00pm Soil Science Seminar: Landcare and Soil Management by Mr A Curtis (PISA, State Landcare Coordinator). Room 301, Prescott Building, Waite.

TUESDAY 18 AUGUST

12noon Lyell McEwin Health Service Tuesday Grand Round: Making Decisions for Others by Ms Lisa Huber (Information Officer for the Office of the Public Advocate). Conference Room 1, Community Health Building.

1.10pm Student Workshop: Developing a lifestyle that reduces stress and worry by Mark O'Donoghue. Counselling Centre, Ground Floor, Horace Lamb Building.

1.10pm Anatomical Sciences Seminar: Pulmonary surfactant and the evolution of air breathing by Dr Christopher Daniels (Dept of Physiology). Room S127, South Wing, Faculty of Medicine, Frome Rd.

3.15pm Anthropology Seminar: Picturing 'What If' Contemporary Feminist Films Speculative Fiction by Julia Erhart (Lecturer, Screen Studies, Flinders University). Room 702, Schulz Building.

WEDNESDAY 19 AUGUST

10.10am Electrical and Electronic Engineering Seminar: Autofocus for inverse synthetic aperture radar (ISAR) imaging by Zhishun She (Postgraduate). Lecture Room S112, Engineering South.

12.30pm ARCHSS Seminar: Identity and the useful body: Women and the sex of car technology by Dr Georgine Clarsen (Post Doctoral Associate). Room G08, Napier Undercroft, Napier Building.

1.00pm Zoology Seminar: The book: an endangered species by Mr Ray

COMING EVENTS

August 17th — August 28th

Choate (Barr Smith Library). Seminar Room, 4th Floor, Fisher Building.

1.00pm Environmental Science and Management Seminar: Drylands and global change in the 21st century by Dr Vic Squires (Consultant). Stefanon Lecture Theatre, Williams Building, Roseworthy.

1.10pm Student Workshop: Procrastination by Sally Hebenstreit. Counselling Centre, Ground Floor, Horace Lamb Bldg.

1.10pm Genetics Research Reports/Seminar: Functional characterisation of the Polycomblike protein of *Drosophila melanogaster* by Sinead O'Connell. Seminar Room, Ground Floor (southern entrance) Fisher Building.

1.10pm Horticulture, Viticulture & Oenology Seminar: Factors involved in the biological control of the crown gall in grape vine by Ms Alex Backhouse (SARDI). Plant Research Centre Auditorium, Waite.

1.10pm Geology and Geophysics Seminar: Rock holes and fire stations by John Kaldi, Mawson Lecture Theatre.

1.30pm European Studies Seminar: Genetic Criticism by Professor Michael Weatherill. Room 723, Hughes.

THURSDAY 20 AUGUST

12noon HCCR/IMVS Seminar: Platelet Velcro: Physiological and Genetic Studies of Platelet Adhesion to the Vessel Wall by Dr Jose Lopez (Baylor College of Medicine & Molecular & Human Genetics, Houston, Texas). Verco Theatre, IMVS.

12.05pm Psychology Seminar: Diagnosing Learning Disabilities by Dr Gary Childs (Flinders University). Room 527, Hughes Building.

FRIDAY 21 AUGUST

12.45pm Dentistry Seminar: Communicating with patients- a guide for first timers by Vivien Joseph (Dentistry). Lecture Theatre 1, 6th Floor, Adelaide Dental Hospital, Frome Rd.

1.00pm Biochemistry Talk: Sox genes and the regulation of cell differentiation in the vertebrate embryo by Dr P Koopman (Centre for Molecular and Cellular Biology, University of Queensland). Seminar Room, 2nd floor, Darling Building.

1.15pm Physics and Mathematical Physics Research Talks: Medical Physics by A/Prof Van Doorn (Chief Physicist, RAH). Kerr Grant Lect Theatre.

2.00pm Archeology Seminar: Virtual Reality and Classical Archaeology: The Forum of Trajan in Rome Revisited by Dr John Papadopoulos (1998 AAIA Visiting Professor and Research Fellow, John Paul Getty Museum, California). Room 723, 7th Floor, Hughes Building.

4.00pm Economics Seminar: Input and Output Inventories by Louis Maccini (Johns Hopkins University). LG 14, Napier.

4.00pm RCWS Seminar: Edna Ryan, A Biography by Prof Lyndall Ryan (Womens Studies, Flinders). Room G08, Napier Undercroft, Napier Building.

4.00pm Obstetrics and Gynaecology Seminar: Aspects of Uterine Blood Flow by Dr Christopher Verco (Obstetrics and Gynaecology,

Flinders Medical Centre). Seminar room, 6th Floor, Medical School North.

MONDAY 24 AUGUST

12noon Plant Science Seminar: AFLP Mapping of Wine Yeasts-what can it tell us? by Dr Miguel Lopes (Australian Wine Research Institute). Charles Hawker Conference Centre.

1.00pm Microbiology and Immunology Seminar: Crystal structures of enzymes and opportunities in biotechnology by Professor Geoff Fincher (Plant Science). Departmental Library, 5th Floor, Medical School South.

1.10pm History Staff/Postgraduate Seminar: The French Foreign Legion and the Indochinese War: myths and representations by Ms Katharine Thornton, (History). Common Room 420, 4th Floor, Napier Building.

12noon Student Services Forum: Areas include: Information about courses and services, newspapers, radio, promotions and marketing, information technology, academic advice, learning assistance, tutorial support. Union Cinema.

2.10pm Asian Studies Lecture: Okinawa as Concentrated Expression of the Problems of Japanese Development Prof Gavan McCormack (Professor in Japanese History, Division of Pacific and Asian History, The Research School of Pacific and Asian Studies, ANU). Room 528, 5th Floor, Ligertwood Building.

4.00pm Soil Science Seminar: Measurement and Simulation of a Non-reactive Tracer and Three Sulfonylurea Herbicides by Mr Ajit Sarmah (PhD Student- Final Seminar). Room 301, Prescott Building, Waite Campus.

4.00pm Crop Protection Seminar: The development of recombinant baculoviruses as future insecticides in integrated pest management programs by Dr Bill McCutchen (DuPont, USA). Charles Hawker Conference Centre, Waite.

TUESDAY 25 AUGUST

12.00noon Lyell McEwin Health Service Tuesday Grand Round: Physiotherapy Interventions in Chronic Respiratory Disease by Ms Anna Brennan (Clinical Consultant Physiotherapist, LMHS). Conference Room 1, Community Health Building, Lyell McEwin.

1.10pm Student Workshop: Overcoming fear by Mark O'Donoghue. Counselling Centre, Ground Floor, Horace Lamb Building.

1.10pm Anatomical Sciences Seminar: Morphology and biochemistry of Gecko Pineal gland by Dr Robert Moyer (Obstetrics and Gynaecology). Room S127, South Wing, Faculty of Medicine.

1.10pm ACUE Seminar: The Virtual University by Dr Pat James (Science). ACUE Seminar Room, Level 6, Hughes Building.

3.15pm Anthropology Seminar: Prophets of the New Age by Dianne Bell (Henry Luce Prof Religion, Holy Cross College, Worcester, USA). Room 702, 7th Floor, Schulz Building.

WEDNESDAY 26 AUGUST

10.10am Electrical and Electronic Engineering Seminar: Wavelet Image Compression by Wen-Kuo Lin (Postgrad). Lecture Rm S112, Engineering Sth.

12.30pm ARCHSS Seminar: Feminism, Popular Culture, Consumer Capitalism and the media by Prof Kay Schaffer. Rm G08, Napier Undercroft.

12.30pm School of Pharmacy and Medical Sciences (UniSA): Newborn Screening for Lysosomal Storage Disorders by Dr Peter Meikle (Women's & Children's Hospital). Rm 058, FW Reid Bldg, UniSA.

1.00pm Zoology Seminar: Variation in the foraging behaviour of a parasitic wasp: adaptation to host distributions at different scales by Dr B Tenhumberg (Crop Protection). Sem Rm, 4th Flr, Fisher Bldg.

1.10pm Student Workshop: Study groups by Sally Hebenstreit. Counselling Centre, Ground Floor, Horace Lamb Bldg.

1.10pm Genetics Research Reports/Seminar: Concerted evolution of two copies of the mitochondrial control region of snakes by Lesley Rawlings. Seminar Room, Ground Floor, Fisher Bldg.

1.10pm Geology and Geophysics Seminar: A chemostratigraphic overview of the Neoproterozoic Heyson Supergroup and its correlatives in South Australia by David McKirdy (Geology & Geophysics). Mawson Lecture Theatre, Mawson Labs.

1.30pm European Studies Seminar: Subversive Colours? How Propertius undermines Augustan Moral values in His Elegy 3.13 by Jacque Clarke, and Poor Bugger White Fella Got No Dreaming by Mary Anne Gale. Room 723, Hughes Building.

THURSDAY 27 AUGUST

12noon HCCR/IMVS Seminar: Chemotherapy and small intestinal mucositis by Dr Dorothy Keefe (Medical Oncology). Verco Theatre, IMVS.

12.05pm Psychology Seminar: Parallels between children's relationships with friends and parent-child relationships: A new look at the vertical/horizontal distinction by A/Prof Alan Russell (Flinders). Room 527, Hughes Building.

1.10pm Physics and Mathematical Physics Seminar: Putting the Q into Cavity QED by Barry Sanders (Macquarie University). Kerr Grant Theatre.

4.00pm Economics Seminar: The European Economics and Monetary Union: Prospects and Risks by Helmut Bujard (University of Cologne). LG14 Napier.

FRIDAY 28 AUGUST

12.45pm Dentistry: Teeth as growth disturbance markers by Emma Bell (Dentistry). Lecture Theatre 1, 6th Floor, Adelaide Dental Hospital.

1.15pm Physics and Mathematical Physics Research Talks: Atmospheric by Dr Bob Vincent. Grant Kerr Lecture Theatre, Physics Building.

4.00pm R/C for Women's Studies Seminar: Amalie Dietrich, Ein Leben- Not a Biography by Ms J Wilson (German Studies). Room G08, Napier Undercroft.

4.00pm Economics Seminar: Raising the Stakes in the Ultimatum Game: Experimental Evidence from Indonesia by Lisa Camerson (University of Melbourne). LG14, Napier Building.