

# ADELAIDEAN

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NEWS FROM THE UNIVERSITY OF ADELAIDE

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## Adelaide programs offer leading-edge knowledge

A NEW SERIES of computer programs developed at the University of Adelaide is helping students throughout Australia and overseas to learn about geotechnical engineering.

CATIGE (Computer Aided Teaching in Geotechnical Engineering) is a suite of 14 Windows-based computer programs written specifically for undergraduate engineering students.

Using the programs, students can work through a range of interactive exercises which help teach them the principles of soil mechanics and geotechnical engineering.

This includes information about soil classification, seepage, expansion, soil stress, and other knowledge used by engineers involved in such fields as construction, the environment, mining and water resources.

The suite of computer programs was developed by Dr Mark Jaksa, a geotechnical engineer with the University of Adelaide's Department of Civil & Environmental Engineering.

His work follows on from earlier efforts conducted at the university by Professor Stephen Priest, Dr Neil Kay and Dr David Walker.

"CATIGE is really the best of its kind available in Australia today," Dr Jaksa said.



Mark Jaksa: computer programs provide leading-edge knowledge. Photo: David Ellis

"It's a tool which is aimed at supplementing the teaching and learning efforts conducted in universities, not replacing them.

"It does this rather effectively because

the programs are highly interactive and provide detailed information and diagrams.

"Students can also work on the programs during their own time,

which helps to reinforce what they've learnt in the classroom," he said.

Already there has been strong response to CATIGE from a number of Australian universities, including the Queensland and Victorian universities of technology, and Sepang Institute of Technology in Malaysia.

The University of Sydney's Professor of Civil Engineering, Harry Poulos, described the CATIGE software as a "major contribution to the education of engineers concerned with soil mechanics and geotechnical engineering... an invaluable aid to the more traditional forms of instruction".

CATIGE is available to Australian universities for a once-off fee of \$1000. This enables universities to distribute the software free of charge to their undergraduate engineering students.

"For universities this really represents a great investment," Dr Jaksa said.

"Our programs not only help students learn, they provide them with leading-edge knowledge in the field of geotechnical engineering.

"We also plan to provide follow-up programs and updates, making sure that students are kept informed about new techniques and advances in knowledge," he said.

—David Ellis

## Course fills a gap

COUNSELLING SUPPORT for dying and bereaved people has been a much-neglected field, but a new postgraduate course at the University of Adelaide is designed to fill the gap.

Course co-ordinator Dr Sheila Clark, from the University's Department of General Practice, says support for people in palliative care and for those who are bereaved makes a big difference to their quality of life.

However, she says there has been little training provided to health professionals and others who commonly have to provide counselling to these people.

Now, a one-year Graduate Certificate in Bereavement and Palliative Care Counselling is providing training in this specialised area of counselling, as well as education in the latest ideas about bereavement care.

"This is something which has been totally undervalued up until now," Dr Clark says.

"People have been expected to have these skills without being given any training in them. Only recently has there been much recognition given to the importance of this training.

"We are realising that palliative care is not just symptom control. Well-documented research shows that the amount of support patients receive can affect their pain levels. Patients experiencing grief often present with physical symptoms."

Dr Clark believes the turmoil caused by bereavement is not fully acknowledged by the community.

"Grief is a long process," she says.

Continued on Page 5

## Major wasp control program funded

THE STATE GOVERNMENT has awarded Luminis Pty Ltd, the University of Adelaide's commercial development company, a three-year, \$600,000 contract to find a control for European wasp.

The research is a joint venture between the University and the South Australian Research and Development Institute (SARDI).

The European wasp has been an ongoing problem in South Australia with numbers reaching their highest levels last year causing discomfort and concern for people's safety.

There has not been a recorded death in Australia since it was introduced to the mainland in the early 1980s but stings have the potential to be fatal.

Despite the release of a parasitic wasp in 1989 and 1993 at sites around Australia and the use of chemical baits in South Australia in 1996 and 1997, an effective and appropriate control mechanism has not been found.

This new project will aim to provide a cost effective method of managing the European wasp and minimising its impact on the public and industry.

Associate Professor Andrew Austin from the Department of Crop Protection in the Faculty of

Agricultural and Natural Resource Sciences and Mr Dennis Hopkins from SARDI will coordinate the project.

Expert staff from the South Australian Museum, the School of Biological Sciences at Flinders University and the University of Georgia will also be involved.

Luminis Pty Ltd will manage the project and be responsible for the protection and commercialisation of the research outcomes for the benefit of South Australians.

The project is a two-pronged approach and will examine short and long-term management strategies.

The first part of the research will focus on developing a chemical bait which can be used to suppress foraging wasp activity and control nests in areas where the nest cannot be located.

"This part of the project aims to build on the findings of previous work SARDI has undertaken with diazinon to develop improved baiting techniques," said Dennis Hopkins.

"It may be possible to have a baiting strategy registered for use by this Christmas."

A range of other insecticides have shown promise for use in toxic baits for European wasp and at

least three different options will be fully tested.

Mr Hopkins said establishing laboratory wasp colonies was planned; this will allow detailed assessment of new baiting techniques.

"New techniques and insecticides would then be tested extensively in the field, in metropolitan Adelaide and in the hills, as was done in the previous studies using the network of local government contacts," he said.

Research into long-term strategies will also be conducted using biological control options including natural enemies, diseases, molecular genetic manipulation and hormone disruption.

"We'll assess the merits and drawbacks of all potential options and determine the most likely long-term strategy for biological control in the Adelaide region," said Associate Professor Andrew Austin.

He said the study would initially involve a lot of information gathering to achieve a detailed understanding of the biology and ecology of the European wasp under the Mediterranean climate of the Adelaide region.

Continued on Page 6



## A Hundred Years On

We are now approaching the culmination of the Elder Conservatorium's Centenary Year celebrations.

This has been an important time for us to reflect on one of the great institutions of the University and the effect an inspired bequest, such as that bestowed by Thomas Elder, may have on an institution.

It's a time, as we enjoy several weeks of celebration, to concentrate on looking to the future in the hope that we will be able to reward the generosity of Thomas Elder with another hundred years of leading music performance.

During this period we are particularly fortunate to have with us the Pulitzer Prize-winning Maestro Gunther Schuller, our Centenary Artist in Residence.

In a lifetime devoted to music, Gunther Schuller has excelled as a performer, composer, conductor, educator and author, his versatility and accomplishment providing wonderful inspiration for our own aspirations.

Professor Schuller tells me that among the many types of music from which he derives inspiration is that of Tibet, and so it's appropriate that we're able to welcome back to the Bonython Hall the Gyuto monks with their enthralling sounds and colourful sand mandala.

The monks' haunting music accompanies an impressive exhibition of Tibetan art and architecture curated by PhD student, Lucy Kennedy—a great example of a research student interacting with the global community.

Another important centenary celebration for us is that of the birth of Lord Florey, who in the words of Lord Mayor Jane Lomax-Smith, is probably the greatest Australian ever.

When we reflect on the impact of his work—isolating, testing and arranging for the large-scale manufacture of penicillin—it is impossible not to be grateful to Lord Florey and his team. We are of course extremely proud that he was a graduate of this university.

It's also interesting to note that it was a State Bursary which enabled Howard Florey to study medicine here. At a time when we have just assembled a major scholarships package it's a healthy reminder that scholarship support can have a lasting impact on humankind.

These two centenaries provide an opportunity to reflect on how fortunate we have been in the past. They should also encourage us to focus on achieving such honour and glory in the hundred years to come.

**MARY O'KANE**

# COMMENTARY

## SOMETHING TO CELEBRATE

By the time this article appears in print, the Faculty will be well into celebrating the Centenary of the Elder Conservatorium of Music: indoors... outdoors ... new works ... old works ... rehearsals ... concerts ... orchestras ...

ensembles ... conductors ... composers ... and Artist-in-Residence Gunther Schuller—arguably the epitome of the compleat musician (to paraphrase the title of his fascinating if somewhat provocative book, *The Compleat Conductor*).

So what exactly are we celebrating? Firstly—and most obviously—the foundation of the 'Con' through the generous £20,000 bequest Sir Thomas Elder left to the then School of Music, and which the University used "to establish a Conservatorium of Music, and to build a hall and rooms for teaching purposes ..." (from the 1897 Annual Report). But we're celebrating more than just bricks and mortar: we're also celebrating an unequivocal commitment to the aesthetic and artistic dimensions of academe, and to their importance in the life of the University community.

Then there's a lengthy list of early—and ground-breaking—national 'firsts' to celebrate: the Con was the first conservatorium in Australia; it offered the first Professorship in Music (1884), and the first Bachelor of Music degree (although the degree was actually set up in advance of the establishment of the Con); it awarded the first Doctorate in Music (to E Harold Davies in 1903), and saw the composer Ruby Davy graduate as the first female D Mus in 1918.

At the other end of the time-scale we celebrate the outstanding achievements of more recent staff and students: the visionary developments of John Bishop (including the inauguration of the Festival of Arts and the Australian Youth Orchestra); Tristram Cary's pioneering work in electronic music; the outstanding scholarship of Andrew McCredie and Catherine Ellis; the inspiring teaching of Beryl Kimber, David Swale and David Lockett among others; the works of composers such as Miriam Hyde, Graeme Koehne, Martin Wesley-Smith and Richard Meale; and the consummate artistry of performers such as Lucinda Collins, Janis Laurs, and Connaître Miller.

And one other very important reason to celebrate: the integral role of the Con in the musical and cultural life not only of the University, but of the wider community. It is the mainstay of organizations such as the AMEB and the South Australian Music Camp, and is heavily involved in the Adelaide and Barossa Festivals. And think how colourless life on campus would be without music at the Commems, without the Bach Festival or the lunchtime and evening concerts—and without all those sometimes weird, but mostly wonderful, sounds drifting across the courtyard from Sir Thomas' beautiful building!

The choice of Gunther Schuller as the Centenary Artist-in-Residence is no mere accident: in drawing together the various threads that are the life and soul of the Con, he personifies much of what the Centenary celebrates. He shares the same passion and commitment to music that has been the hallmark of the Con over its 100 years. He has been an outstanding performer (a hornplayer); he has conducted not only great professional orchestras, but also more modest student orchestras like our own; he works across the jazz and classical genres; and he is a prolific—and highly regarded—composer (and is currently putting to music the words of the seminal (fifteen page) letter Martin

by  
**Dr Anita Donaldson**  
Dean  
Faculty of Performing Arts

Luther King wrote in 1963 while he was in jail in Birmingham, Alabama). And to complete the picture, Maestro Schuller has also achieved formidable success in non-performance areas: he is a distinguished teacher and administrator (former Professor of Composition at Yale, and President of the New England Conservatory of Music in Boston); he is an acknowledged scholar, a publisher and an author of no small repute (and along with the above-mentioned score, he is also writing his autobiography!).

But while the Centenary celebrates the Con's past and present, it also marks an important turning point not only for the Con, but for the Faculty as a whole: the moment in time when we step back from the past, and move toward a new and challenging future.

Perhaps the most significant initiative is the Faculty's new structure (although in essence the 'new' will actually be a revamped version of its pre-merger self!): as of next year we become a single-unit School led by a Dean and three Associate Deans—Learning and Teaching, Higher Degrees and Research, and External Liaison. Not far behind in significance is the fact that we are well on the way to developing a new range of music courses that will give our students a more comprehensive and integrated general education in music, while preparing them at the same time for the exacting demands of life as a professional musician.

Another particularly exciting initiative to get under way next year is the Graduate Diploma in Chamber Music—the first of its kind in Australia, and taught by the members of the Australian String Quartet, the University's Quartet-in-Residence. Designed as an intensive performance-focused program for two string quartets, the course shares some similarity with the Chair in Creative Writing in that it will involve a partnership between the University and the Government (through the auspices of ArtsSA).

And on a somewhat more uncertain horizon is the possibility of a new, collaborative enterprise between the University, DETAFE (in the shape of Flinders Street School of Music), and the Adelaide Symphony Orchestra. However, heavy reliance on Federal Government largesse—not to mention a successful claim on the hallowed halls of the Torrens Parade Barracks—puts the ambitious proposal at rather high odds.

But among all these changes and developments, one of the happiest for the Faculty is the approval of an Honours degree in Dance, to begin in 1999. Readers may recall the traumas of October 96, when the Faculty was decimated in one fell swoop (or was it 'foul sweep'?): Drama was given the death-knell, while Dance was left hanging by the thinnest of threads through the promise of a restructuring exercise (although at the time of the decision no-one really knew what direction that would—or should—take).

While various options were explored—including the possibility of combining Dance and Drama elements in a Performance Studies degree—financial constraints meant that we were unable to fly quite as high as we would have liked. However the re-emergence of Dance gives us hope, and who knows?—perhaps the irony of a Faculty of Performing Arts without a full complement of performing arts can be redressed in the not-too-distant future. Now that would be something to celebrate!



## ADELAIDEAN

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# PGSA staff awards announced



L to R: Peter Berry-Smith, who accepted the award on the behalf of Mr Bob Hurn, General Staff Member of the Year; Lecturer of the Year Mr Keith Bennetts; Supervisor of the Year Associate Professor Dong-ke Zhang. Photo: David Ellis.

**CHEMICAL ENGINEERING'S** Associate Professor Dong-Ke Zhang has been named the University of Adelaide's Postgraduate Supervisor of the Year.

A total of 16 postgraduate supervisors were nominated in this year's awards, which for the first time also included prizes for

Lecturer of the Year (won by Mr Keith Bennetts, School of Law) and General Staff Member of the Year (Mr Bob Hurn, Physics & Mathematical Physics).

The awards are held annually by the Postgraduate Students' Association (PGSA) in recognition of the

excellent work of staff and the importance they play in the teaching, learning, research, guidance and support of postgraduate students.

Associate Professor Zhang has made a name for himself in Australia and overseas as an expert in combustion fuel technology. The principal researcher for the CRC for New Technologies for Power Generation from Low-rank Coal, based at the Thebarton Campus, Associate Professor Zhang is also leading a team of engineers and industry experts in designing the fuel delivery system for the Sydney 2000 Olympic Torch.

In addition to his teaching and research duties, Associate Professor Zhang supervises 14 postgraduate students. He said he was honoured to receive the award and was grateful to his students for recognising him in this way.

Nominations for the awards are open to Honours, Masters, Graduate Certificate, Graduate Diploma and PhD students, with the winners selected by a judging panel. All nominees are acknowledged by the PGSA to their departments in writing and receive a certificate recognising the excellence of their work.

—David Ellis

## 5UV's 'New Contract': VC talks live to air on human resource planning issues

ALL STAFF of the University of Adelaide are being urged to tune in to a new radio program which will discuss the future and present directions of the University's human resource planning.

"The New Contract" is a special one-hour program to be broadcast on University Radio 5UV (531 on the AM dial) at 7.30pm on Wednesday, 30 September.

A part of the ongoing discussions about human resource planning in the context of the university's strategic plan, this program will examine issues about continuity and change in university staffing and human resources policies and practices, at a time when higher education is undergoing rapid changes across the globe.

The live-to-air program will facilitate discussion on a wide range of issues relevant to the future of the University.

Technological change, the increasing importance of private funding in the face of reductions in public funding, increasing competition, and

changing perceptions of what the community expects from universities and those who work in them, are just some of the issues that influence the shape of universities' workforces. These and other issues will be examined in the program.

The Vice-Chancellor, Professor Mary O'Kane, will participate in a panel discussion followed by questions from listeners by telephone or email.

Professor O'Kane is strongly supportive of this initiative utilising the facilities of Radio 5UV and believes "The New Contract" should be of interest to all university staff.

As well as being broadcast throughout Adelaide, "The New Contract" will be heard worldwide through the internet.

Intending listeners using the internet must download RealAudio well in advance of the broadcast. Follow the instructions given on Radio 5UV's webpage <[www.adelaide.edu.au/5UV](http://www.adelaide.edu.au/5UV)>.

"Interested listeners to 'The New Contract' from South Australia,

interstate and overseas are invited to listen to the broadcast and to contribute to the discussions by means of either telephone or email," said 5UV station manager Dr Jeff Langdon.

Dr Langdon said "The New Contract" would be available for download through Radio 5UV's website within hours of the broadcast.

"The program will be available through the station's website as an audio-on-demand program. An increasing number of 5UV's flagship programs are being made available via this technology on the web.

"Staff of the University are invited to check the 5UV website as this facility is developed further," he said.

For more information contact: Mr Bill Aukett, Manager Organisational Change, (08) 8303 4642 or Mr Tony Ryan, Executive Producer Project Development, Radio 5UV (08) 8303 5000, email <[tryan@radio5uv.adelaide.edu.au](mailto:tryan@radio5uv.adelaide.edu.au)>.

—Tony Ryan  
Executive Producer, Radio 5UV

## NASA experience for October public lectures

ADELAIDE-BORN ASTRONAUT Dr Andy Thomas returns to his former University next month to give a free public lecture about his involvement in the NASA space program.

Dr Thomas, a graduate of the University's Faculty of Engineering, will present video footage and slides of his NASA experiences.

His one-hour lecture will be held in Bonython Hall at 7.30pm on Friday, 9 October. Bookings are essential. To obtain a free ticket, call Mechanical Engineering on (08)

8303 5460 before Tuesday, 6 October.

Another member of the NASA space program, ground support engineer Dr Ravi Margasahayam, will give a series of three public lectures on 13 and 14 October.

The first, "A Tour of Kennedy Space Center", will be at 7.30pm in Napier 102 lecture theatre.

The lecture will be a visual tour of America's gateway to the universe, including information about the facilities used to prepare and launch space shuttle missions from Earth.

His second lecture is on Wednesday, 14 October. "The First and the Last Man from Down Under" explains the work of Dr Andy Thomas, including his preparation, historic launches, and safe landings.

This lecture will be held at 1.00pm in the Rennie Lecture Theatre (Johnson Building), and will be repeated at 7.30pm the same day in Napier 102.

Entry is free but bookings are essential. Phone Engineering on (08) 8303 4701.

## NEWS IN BRIEF

GUNTHER, JAZZ AND MORE

The Elder Conservatorium Centenary celebrations continue this week with Artist in Residence Gunther Schuller presenting a public lecture in Elder Hall on Monday 28 September at 6pm.

"An Evening with Gunther Schuller" will be compered by Australian composer and conductor Richard Mills.

\$10 (\$5 for University staff & students).

On Thursday 1 October, Connaitre Miller and the Adelaide Connection pay tribute to the world's greatest jazz singers in the Centenary Jazz Concert.

Tickets \$20, \$15 concession, and \$10 students/children.

The action moves to the Adelaide Town Hall for the Centenary Concert on Friday 2 October at 8pm, with the Elder Conservatorium Symphony Orchestra conducted by Gunther Schuller. The program features works by Schuller himself, local composer Graham Koehne, Mendelssohn and Brahms. \$20 and \$10. All bookings at BASS.

SLEDGE DONATED TO MAWSON

A MAN who led an expedition to the South Pole has donated his sledge to the Mawson Antarctic Collection.

Peter Treseder, inspired by the Antarctic expeditions of Sir Douglas Mawson, recently followed in his footsteps and made the long and difficult trek to the South Pole. He took with him a balaclava which belonged to Mawson and is now part of the Mawson Collection.

The collection is housed and cared for at the Coach House in the Historic Precinct of the University of Adelaide's Waite Campus. A permanent Mawson gallery is also being established at the South Australian Museum as part of a joint project between the museum and the University.

The sledge from Peter Treseder's Antarctic voyage will be displayed alongside the sledge Mawson used during the first Australian Antarctic expedition in 1911.

CREATIVE WRITING FOCUS

CREATIVE WRITING is to be the focus of a new conference at the University of Adelaide.

Called "Lighting the Fuse: Writing for Young and Old", the conference will be held in the Napier Building and at the SA Writers' Centre from 9-11 October.

It is the third annual conference of the Association of Australian Writing Programs, which aims to lead discussion on writing, writing courses and innovation within the writing industry.

Registrations are open to anyone with an interest in creative writing and the teaching and learning of writing. For more information contact Martina Nist on (08) 8302 4647.

PGSA CONFERENCE

THE QUALITY OF postgraduate coursework will come under the microscope at a conference being hosted by the Adelaide University Postgraduate Students' Association (PGSA).

Held on Saturday, 10 October, the conference will look at the three Rs of coursework: Responsibilities, Resources and Rights.

Registration is open until Wednesday, 7 October. For more information contact the PGSA on (08) 8303 5898 or email: <[jtthorpe@auu.adelaide.edu.au](mailto:jtthorpe@auu.adelaide.edu.au)>.

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# Adelaide food research at the 'exciting boundary' of science

RESEARCH HAS SHOWN that red wine, green tea and soybeans are good for us, particularly because of their anti-cancer properties—but no-one is quite sure why and how.

These are among the questions driving a small group of scientists at the University of Adelaide's Departments of Chemistry and Pharmacology and the CSIRO's Division of Human Nutrition—with a longer term view of adding the vital flavonoids from these natural products into manufactured products such as bread.

"At the moment there is a causal relationship with these things: 'eat and drink them and they will be good for you,'" says Dr Simon Pyke, Chemistry lecturer at the University.

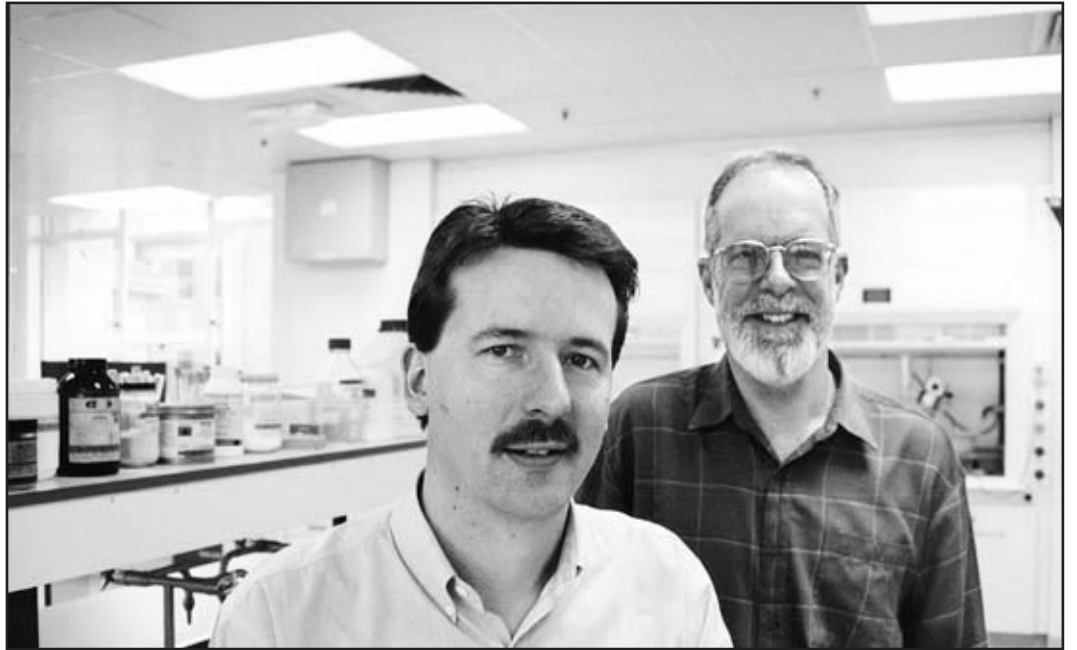
"But it needs to go further than that to understand exactly how it works and quantifying it.

"It is well known that the Japanese have a much lower incidence of certain types of disease which are prevalent in the west, particularly cardiovascular and certain types of cancer. The obvious question is what do they do differently?"

"There are environmental factors but there are also dietary factors, which is more interesting because if we can isolate the active compounds and introduce them into our diet then theoretically we can reduce those diseases," says Dr Pyke.

"Soybeans and green tea are two of the dietary factors we are most interested in that are in the Asian diet.

"There has been a lot of work done on these things including the isolation of some of the active constituents known as isoflavones which are a sub-class of flavonoids.



L to R: Dr Simon Pyke and Dr David Ward. Photo: David Ellis

The two we are working on are genistein and daidzein."

The isoflavones of the soybean have an impressive array of pharmacological properties, particularly anti-breast, anti-colon and anti-prostatic cancer activity.

What is not well understood are the mechanisms by which these isoflavones are absorbed across the gastrointestinal tract, metabolised and eliminated from the body.

Dr Pyke and his colleague Dr David Ward are collaborating to answer these questions with CSIRO and the Department of Clinical and Experimental Pharmacology.

Their research also forms part of their current bid to establish a Cooperative Research Centre for International Nutrition which will enable them to pursue the work more vigorously.

The research requires close overlap between the disciplines of chemistry and pharmacology—an interaction Dr Pyke says represents the future of

good science.

"We're very keen to establish 'boundary' types of research work with other departments where for example, chemistry and pharmacology overlap.

"It's this kind of boundary work which gives students a much broader experience of science because they have to think about more than one discipline.

"The most exciting things happening in science at the moment are not mainstream—they happen where one discipline borders another and you have different viewpoints and a more creative environment," he says.

So far, Dr Pyke and Dr Ward have developed a method of preparing enough daidzein to begin preliminary studies. Once these are complete, they will move onto genistein.

They are now working on developing radioactive labels to trace the daidzein through digestion. This will also involve tracing the metabolites, or what the material breaks down into, which is still unknown.

Frequently, says Dr Pyke, it's the metabolites that are more active than the parent species.

In order to carry out metabolite studies radiolabelled compounds are required, in this case using either single or double carbon 14 labelling.

This will also enable them to ascertain whether the materials change and how they change as they pass through the biological system.

Once the carbon 14 labelled materials have been prepared they will be passed onto groups in the CSIRO and also the Department of Clinical and Experimental Pharmacology.

Once the health benefits of the isoflavones are understood and quantified, Dr Pyke says there is potential for the materials to be added to foods.

This would be similar to the way folic acid is now being added to breads and cereals since found to be beneficial to the health of the general populace.

—Rebekah Washington

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## Mentoring program go-ahead

WOMEN general staff at the University of Adelaide will benefit from a mentoring program established with the aid of a \$15,000 grant from the Director, Student and Staff Services (Mr Ian Creagh), with the support of the Vice-Chancellor.

The program will be coordinated through the Women's Professional Development Network (WPDN), established in 1995 as a grass roots professional development initiative for women general staff at the University.

In 1996 WPDN ran a successful pilot mentoring program for women general staff HEO5 and above, following an analysis which identified mentoring as a high priority developmental need. The program ran with the support of Human Resources and the Equal Opportunity office, and a paper on its outcomes was presented at the 1997

National ATEM (Australian Tertiary Education Management) Conference.

The success of the pilot project led to the submission for funding to run a formal mentoring program.

"This grant is an acknowledgement of the commitment by senior management to women general staff," said WPDN's Liz Pryzibilla, who will coordinate the mentoring project with Lee Jones.

"The mentoring program will assist in removing the recognised barriers which prevent women in higher education from achieving their personal and professional potential."

The program begins in October 1998 and expressions of interest are being sought from potential participants. Further information: Lee Jones (33277) or Liz Pryzibilla (34144).

# Sometimes words have two meanings...

DO JURIES really understand the judge's instructions before deliberating the outcome of a trial?

This is the question Ian Leader-Elliott and Ngaire Naffine in the Faculty of Law at the University of Adelaide have been pondering in recent years.

"Different understandings about the meaning of words like 'reckless' in relation to actions leading to the cause of death could mean the difference between a verdict of murder and manslaughter," said Mr Leader-Elliott.

"Particularly with appeals arising from criminal law cases, an enormous amount of time and effort is often spent examining the judges' instructions to the jury and the meaning of words," he explained.

To test their theory that members of the general public and the legal profession use the same words differently, they carried out a survey in 1997 involving first year law students, first year humanities students, law teachers and practicing lawyers, numbering a hundred respondents of each kind.

Several legal terms were presented for review, including 'recklessness', 'intention', 'voluntariness' and 'consent'.

The results were, as expected by Mr Leader-Elliott and Dr Naffine, that there are significant differences in the way the general public and legal communities—and even sections within the legal community—use and understand these words.

In the case of the word 'consent', respondents to the survey were asked to consider a hypothetical situation in

which a woman agrees to intercourse on the understanding that she is protected by a condom but later finds that a condom was not used by the man.

The question then asked was, does this deception constitute rape even though consent had otherwise been given?

Law students, lawyers and non-lawyers responded in general that rape had not taken place. Meanwhile, a group of law academics saw that rape had indeed occurred.

Ian Leader-Elliott speculates that this response by law teachers may well indicate a higher level of acceptance of feminist assumptions by law academics. Also of interest to him is the fact that a significant proportion of these respondents chose not to reveal their sex.

He is keenly interested in other forms of social influence on language usage as well. In the case of the term 'consent', he refers to the influence of marriage manuals written in the early part of this century by the likes of Marie Stopes and Havelock Ellis which encouraged wives to engage in acts of sexual intercourse—under the onus of wifely duty—in conditions which women today would not generally countenance. Hence, 'consent' once meant something quite different to what it does according to present-day community standards.

Mr Leader-Elliott first became interested in the area of law and semantics while reading articles about the philosophy of action relating to criminal law. The more he read, the more his concern grew over the way language was used in legal documents



Ian Leader-Elliott: differences in how legal terms are understood. Photo: John Edge

which was significantly at odds with common usage. In 1984, he participated in the writing of a manual for the Law Institute of Victoria about how these divergent usages could impact on legal processes.

His hopes for the findings of the 1997 survey, to be published initially in the UK later this year, is to bring these issues to the attention of the legal community generally.

While recognising the primary need of judges to 'get the law right' when

advising juries, Ian Leader-Elliott attaches considerable importance to the process of ensuring that juries understand what legal professionals mean when they use particular terminology.

As a strong believer in the jury system, he sees that improvements in communication between judges and juries will help ensure that the tradition of trial-by-jury continues to feature as an option within our court system.

—Tony Cox

## Course fills gap

From Page 1

"We get three days' compassionate leave and research shows that a grieving person is expected (by his or her peers) to be functioning normally after three months. But three months is often a particularly difficult time—the time when grieving people need the most support."

The Graduate Certificate is being run for the first time this year. The 20 students come from a range of backgrounds, with the majority being health professionals.

The course covers counselling theory, skills and practice; an exploration of death, dying and bereavement, including the specific issues relating to HIV/AIDS, spirituality, grief and mourning; medical and psychiatric, legal and ethical issues; and a field education placement.

Dr Clark says many people have outdated views of the grieving process, based on theories developed in the 1960s. However, new work suggests these theories—focusing on the various "stages" of grief—are too prescriptive and do not take into account the vast differences in people's responses to grief.

"These older models cause problems when people don't fit into those stages," she says.

An information session about the Graduate Certificate will be held at Calvary Hospital, Conference Rooms 1 and 2, from 6pm on Tuesday, 13 October. Three scholarships are available for people from rural areas.

—David Washington

## New visions in dentistry

PROFESSOR MILTON SIMS recently gave the 1998 Graham Mount Oration on "Dentistry's Millennium Avalanche". He discusses the topic with Ewart Shaw.

Q: *Why Millennium Avalanche?*

A: I chose the title Millennium Avalanche because I think that dentistry is being and will be engulfed even further in the future by two specific areas—computer dominated teaching, learning and research, that's the first; secondly, dentistry in this country has to move very quickly and smartly into molecular biology areas of research.

Q: *If we look at the second point that you've made, where does microbiology enter into the picture?*

A: Dentistry has up to recent times had a medical/surgical basis where people would make a filling where there was a decay, cut out the decay to a specified pattern, fill it and that was that. The surgical approach was to remove diseased tissue. Now we're getting away from that paradigm and moving into a pharmacological and regenerative paradigm where dentistry is going to look to regenerating new tissue.

For example, it is quite within the realms of possibility that where there are sites of decay in the future it will be possible to regenerate the lost enamel and dentine *in situ*, where the nerve is exposed in a traumatic

accident we will be able to grow new dentine over that nerve.

I think there will be even more radical things. The periodontist will grow new tissue, will grow new bone, will grow new ligament which is the tissue attaching the tooth to the bone, will be able to grow new gum tissue. Where people lose the nerve in the tooth we will have molecular tools, the nano-molecules that we can inject that will be site-specific, target specific cells. They will be able to home in, to carry out repairs via the blood circulation. This is already happening in medicine with, for example, the use of cytokines.

Q: *Your particular area is orthodontics. How will that change?*

A: It's going to change radically. I believe within the next fifteen to twenty years, a patient will come into a clinic. They will have a non-invasive scan taken of their head, facial and dental structures. They will have a saliva sample taken; this will provide a DNA readout; they will have a whole molecular breakdown in front of them and it will be decided by the computer what gene therapy can be administered to that patient, and now, instead of having bands that patient will have microchips on the back of their teeth and will wear a wristwatch computer which will control the movement of the teeth.

Advertisement

## Government is still central to IT industry

THE CONCENTRATION by political parties on short-term vote-grabbing policies is no help at all to industries, like Information Technology, which require longer term strategies for survival and growth, according to Professor Reg Coutts, director of the University of Adelaide's Centre for Telecommunications Information Networking (CTIN).

Professor Coutts, speaking at the recent AEEMA National Forum in Sydney, said that despite an increasingly global marketplace the role of Government was still important and that leadership and the identification and support of key sectors of the IT industry were essential.

"The bi-partisan view that the IT sector is critical in maintaining the long-term economic health and growth of the nation has not been translated into policy," he said.

Professor Coutts said there had been a plethora of reviews and reports on the industry but they had failed to yield any substantial results in terms of clear policy direction and national goals.

The key points that Professor Coutts outlined in his address were:

- the need for Government to provide real business incentives, while at the same time resisting a grants mentality (eg. improved R & D tax provisions)
- the need to strengthen the R & D base of the industry with clear mechanisms and incentives by recognising the impact of competition
- the need to build a bridge between the R & D sector and the business drivers of the IT industry
- the need to develop a clear strategy to engage the education sector in meeting the skills shortage at all levels of the industry.

Professor Coutts said it was essential to realise that technology is not a commodity which can be bought off a shelf, rather it is the end product of a process involving a variety of skills which require good management and a multi-disciplinary approach.

"Technology emerges from a synthesis of research and development, innovation, good business management and human resource management.

"Judging by the track record, Australia will not prosper in the Information Economy without clear policy and targeted Government intervention," he said.

—Collette Snowden

Advertisement

## Albion Ascendant: a pivotal time

A NEW BOOK written by University of Adelaide history professor Wilfrid Prest has been published by the Oxford University Press.

*Albion Ascendant* details more than 150 crucial years of English history, from 1660-1815. The period was a pivotal time in the history of the nation, which experienced a "transformation from domestic instability and external weakness to global economic and military predominance". It was during this time that England emerged as the most formidable superpower the world had ever seen.

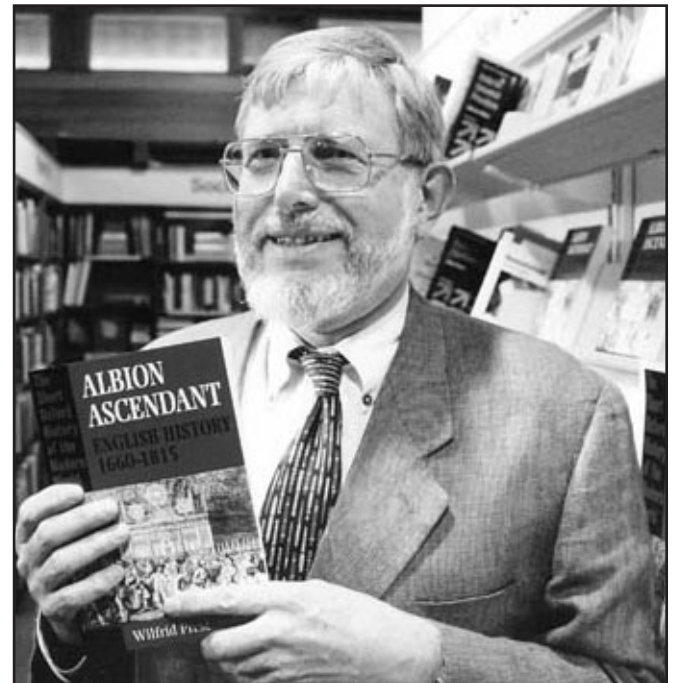
Professor Prest, who is director of the Centre for British Studies within the Department of History, spent more than three years writing the book, which includes an account of the political, cultural, economic and social changes that occurred in England.

It opens with the collapse of the first English republic and concludes with the famous victory over Napoleon at the battle of Waterloo.

"After serving my historical apprenticeship on a slightly earlier period, I have found myself increasingly drawn to the later 17th and 18th centuries in the hope of better understanding 'what came of it at last'," Professor Prest writes in the book's preface.

"My aim here is merely to provide a reasonably balanced overview of what I take to be the main themes of English history between the Restoration and the end of the French wars, especially for readers who have little or no previous acquaintance with the subject."

At the launch of *Albion Ascendant* earlier this month at Unibooks, Professor Prest said he was grateful for the crucial support of a number of people. In



Professor Wilfrid Prest. Photo: David Ellis

particular he wished to acknowledge the Vice-Chancellor, who provided research funding; the project was also funded through the Australian Research Council (ARC).

*Albion Ascendant* retails for \$49.95 and is available at the University of Adelaide's Unibooks store.

—David Ellis

## Major wasp program

From Page 1

"What we will do is use existing climatic data and nest numbers with the information generated from planned ecological studies to develop a model that can be used to predict the approximate size of wasp populations in the following year," Professor Austin said.

"Molecular genetic techniques will also be used to examine the relationship between nests and therefore their likely source origin."

A national workshop on the control of European wasp is planned for the second half of 1999, providing an opportunity for national and international experts to discuss the options available and allowing Professor Austin and Mr Hopkins to assess the most productive line of research to pursue for the remainder of the project.

The project will begin in January next year and be completed in June 2002. For further information contact: Professor Andy Austin on 8303 7265.

—Anne Lucas



L to R: Associate Professor Andrew Austin with the Minister for Local Government, the Hon. Mark Brindal MP, SARDI scientist Dennis Hopkins and Business Development Manager with Luminis Pty Ltd, Andrew Cecil, at the launch of the European wasp research project at the Waite Campus.

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### Do It Yourself Multimedia

Are you interested in exploring how multimedia can be used in learning and teaching?

As a staff member of the University of Adelaide you can use the Learning Technology Centre resources to explore or develop multimedia programs at your own pace, free of charge.

Guidance and support in a range of techniques including image scanning & editing, digital video & sound, web page design and interactive multimedia authoring is available.

To receive our brochure contact the centre on 33280 or drop in to Level 6, 10 Pulteney St.



Learning Technology Centre • Information Technology Services

### 5UV NEWS

• 5UV has moved one step further with its website. As well as 'streaming' audio from our broadcast (in effect, netcasting) 5UV now offers a growing number of special programs on demand from its site. You can listen to, or download for subsequent listening, a range of feature programs. A number of Notable Lectures and some of our series from this year's Writers' Week are already on the site.

• The program *The New Contract*, featuring the Vice-Chancellor and other academics debating issues to do with staffing at universities, will be broadcast on 5UV on Wednesday, 30 September at 7:30pm. The program will be available on the station's website from midnight on Wednesday 30 ([www.adelaide.edu.au/5UV](http://www.adelaide.edu.au/5UV)).

• 5UV is recording some of the best of the Victor Harbor Folk Festival. It can be heard on 5UV (and 5MBS) on Saturday 10 October from 5pm.

• The Gavin David Young Memorial Lectures by Professor Hilary Putman of Harvard University can be heard on Notable Lectures, Sundays at 11am.

## Put yourself in the spotlight HOST A CONFERENCE

Hosting a conference in Adelaide can promote your research capabilities and expertise to industry, government and the community. At the same time, staging a seminar can build your professional profile in national and international circles. However if you have no experience the Adelaide Convention and Tourism Authority can help with free assistance to identify, bid for, secure and organise an academic conference in Adelaide. ACTA can assist with:

- Preparation and presentation of bid submissions to secure conferences
- Access to financial assistance schemes
- Full colour brochures that can be overprinted with conference details
- Brochures for delegate satchels
- Advice on conference facilities, venues and catering

So if you are involved in a specialised field of research or study and wish to grab the attention of the world, contact Anne-Marie Quinn at ACTA on 8212 4794.



# Hard work opens doors in Mexico

HARD WORK and dedication have paid off for a young graduate whose skills have led to an opportunity to work with some of the best researchers in the world, and a chance to directly assist developing countries in their fight against hunger.

Dr Julie Nicol, a graduate from the Faculty of Agricultural and Natural Resource Sciences, has started working with one of the world's largest and most successful wheat breeding organisations.

Based in Mexico, the International Maize and Wheat Improvement Centre (CIMMYT) is dedicated to helping the poor in low-income countries by increasing the productivity and sustainability of their wheat and maize crops, often the sole diet of poor people.

Working in the world-renowned Wheat Program, Dr Nicol's skills as a Nematologist and Soil Pathologist are crucial in identifying soil-borne diseases, assessing resistance and/or tolerance of plants to the diseases, and working to incorporate those traits into Australian and CIMMYT breeds of wheat.

"Very little work has been done with soil-borne diseases in developing countries, with much of the focus so far aimed at problems associated 'above ground', such as rusts and viruses," Dr Nicol said.

"My work will help identify suitable wheat breeds which have resistance to pathogens found in the soil, and to help understand the mechanisms for these desirable characteristics. This research will not only make a significant difference to Third World countries, but will also help farmers in Australia."

Funded by the Grains Research and Development Corporation (GRDC) in Australia, Dr Nicol's position with CIMMYT in Mexico has a special focus on Western Asia and Northern Africa, where climatic conditions and



Julie Nicol—success opens doors in Mexico. Photo: Elizabeth Butler.

problems associated with growing wheat are almost identical to those experienced by farmers in Australia.

"Working in Mexico is a wonderful opportunity and enables me to collaborate with some of the best-skilled and experienced researchers in the world, as well as the wheat breeders and pathologists in Australia.

"I also have access to a greater diversity of genetic material, particularly synthetic germplasm which has been developed and stored at CIMMYT," Dr Nicol said.

"However, one of the most unique advantages I gain from working here is being able to apply my skills and research findings to assist farmers in Australia."

Julie Nicol graduated from the University with First Class Honours in the Bachelor of Agricultural Science, followed by her PhD looking at the distribution, pathogenicity and population dynamics of *Pratylenchus thornei* (Root Lesion Nematode) on wheat in South Australia.

She was also an Associate Lecturer with the departments of Plant Science and Horticulture, Viticulture and Oenology and completed several industry-funded consultancies.

—Elizabeth Butler

For further information, contact Dr Nicol at [jnicol@cimmyt.mx](mailto:jnicol@cimmyt.mx) or Elizabeth Butler, Peter Fuller and Associates, tel (08) 8303 7337, fax (08) 8303 7136.

## Sarawak Australian Graduate Association launched

THE SARAWAK Australian Graduates Association (SAGA) was launched at a gala dinner held in Kuching on Sunday 6 September. The main objects of SAGA are to foster fellowship, goodwill and cooperation between Australian graduates in Sarawak and to foster relationships between Australia and Sarawak.

Patron of SAGA is distinguished Adelaide alumnus YAB Datuk Patinggi Tan Sri Haji (Dr) Abdul Taib Mahmud (LLB 61, DUniv 94) and the President is Mr Rodger Chan Siong Boh (BArch 86). Two other Adelaide alumni, Ms Chai Sow Fong (BA 88) and Mr Louis Ng (LLB 88), are on the Executive Committee.

Over 460 Australian alumni and guests attended the dinner including Malaysia Australia Foundation Executive Committee Chairman Dato' Lee Yee Cheong (BE 61), and the President of Adelaide Uni Alumni Malaysia Bhd Mr Chris Chong Chow Pang (BE 61).

The Australian High Commissioner to Malaysia was represented by Minister-Counsellor and Senior Trade Commissioner, Ms Glenys Schuntner.

There are over 12,000 Sarawakians who have graduated from Australian



SAGA President Rodger Chan presenting SAGA Patron Datuk Patinggi Taib with a memento to mark the occasion. Photo courtesy of Geoff Sauer.

universities and more than 1300 young Sarawakians are currently studying in Australia. Five out of the nine Sarawak Government Cabinet Ministers attended university in

Australia and the distinguished group of SAGA Vice-Patrons includes alumni of Adelaide, ANU, Sydney, Swinburne and Western Australia.

—Geoff Sauer

## A L U M N I N E W S

### HEALTH IN ANTIQUITY

What can we learn of the lives of people in the ancient world by applying modern forensic techniques to skeletal remains?

The Alumni Association invites you to a presentation by Professor Maciej Henneberg and Mrs Renata Henneberg, of the Department of Anatomical Sciences, on Thursday 29 October, at 7:00pm.

This activity is free, but to assist with planning please telephone the Alumni Office to indicate your intention to come: 8303 4275.

### ALUMNI AFTERNOON FOR INTERNATIONAL CONVENTION

There will be a social gathering for University of Adelaide alumni attending the International Alumni Convention on the afternoon of Sunday 4 October. Details are available from the Alumni Office: 8303 4275.

Those alumni who have registered for the Convention and who wish to attend this informal event are encouraged to attend.

### CAMPUS TOURS: SHARE YOUR UNIVERSITY WITH A FRIEND

Are you expecting visitors from interstate or overseas? Do you have friends looking for an interesting morning's exploration? Are you a member of an organisation looking for something 'different' for its social program?

The Alumni Association offers walking tours of the North Terrace Campus on Tuesday mornings at 10:30am. The tours last one and a half hours, and the cost is \$3 per person. Proceeds go to the Alumni Association's Scholarship Fund. Groups are welcome: please telephone 8303 4275.

The tour includes some strenuous sections, with stairs to be negotiated. Participants are urged to wear comfortable shoes.

### AFUW ACTIVITIES

The Australian Federation of University Women SA Inc reminds members that it is time to renew membership.

AFUW needs your support in its work to better the status of women and girls, to promote education, and to provide some practical help to students.

Women graduates who are interested in joining AFUW SA Inc can contact the Membership Officer, AFUW SA Inc, C/- Mail Room, the University of Adelaide.

Ordinary membership is \$50; postgraduate student membership is \$40. Women who have graduated from university courses requiring less than 3 years' full time study are eligible for Associate Membership, which is \$20.

October General Meeting: Tuesday 27, 7:30-10:00pm. "Flinders University Tournament of the Minds".

AGM, Tuesday 24 November, 7:30-10:00pm, at St Ann's College. Speaker: Ms Ruth Blenkinsop, SA Deputy Commissioner for Equal Opportunity.

AFUW SA Inc is affiliated to the International Federation of University Women. Visit the Web site at <http://www.ifuw.org>.

# Engineers 'show off' at the Royal Adelaide Show



Left: Testing out the Rubber Ball Levitator. Photo courtesy of Jennie Hayes.

FOR THE THIRD consecutive year the Faculty of Engineering has presented an exhibit at the Royal Adelaide Show.

Support is strong within the faculty to ensure that interest in engineering is stimulated by a bright and interactive display, and this year's stand at the Show was a fine example of that.

The four engineering departments each developed at least one exhibit designed to capture the attention of the general public.

This year's exhibits included a duck floating on a bed of sand (Chemical Engineering), a wave machine (Civil & Environmental Engineering), a computer-controlled lighting system (Electrical & Electronic Engineering) and a rubber ball levitator (Mechanical Engineering).

The duck only floated when air was pumped through the sand, creating a fluidised bed. Fluidised beds are important in Chemical Engineering as they are used in a number of areas, including the combustion of coal.

The wave machine display evolved from a fourth year Civil & Environmental Engineering project which looked at the effect of the death of sea grass on the energy of waves reaching the shore.

The computer-controlled lighting system demonstrated the manner in which electronics can be used to control sophisticated systems.

The rubber ball levitator consisted of a ball in a tube, a fan, some distance sensors and electronics to control the system. When the sensors

detected the height of a person, the speed of the fan in the tube was controlled so that the ball floated level with the person's head.

Thanks to the good will and enthusiasm of the staff and students of the faculty, the event was a huge success. Throughout the Show large numbers of people visited the exhibit and talked with staff and students about the displays, courses in engineering and engineering in general.

—Jennie Hayes,  
Outreach Liaison Manager,  
Engineering

## Fayol, Follett and Farming

THE SPRING 1998 series of Inaugural Lectures continues on Friday 2 October when Professor Lee Parker from Commerce revisits the work of two management pioneers—the French industrialist, Henri Fayol and the American political scientist and philosopher, Mary Parker Follett.

On Friday 9 October Professor David Coventry from Agronomy and Farming Systems will discuss future systems for cropping low rainfall areas in South Australia.

Both lectures will take place in Lecture Theatre 102, Napier Building, at 1.15pm.



## Hanoi adventure beckons for Architecture students

THIS GROUP of Architecture students (left) is gaining unique experience, learning more about their field from a completely different perspective—in Vietnam.

The University of Adelaide students are undertaking an eight-week study tour with the Hanoi Architectural University.

During their stay in Vietnam, the group of 13 students will learn about the architecture and design of Hanoi, as well as working on major design projects based in the city. These studies will be credited towards the students' degrees.

This is the second study trip of its kind to Hanoi, which was made possible by the close links which

have been established between Hanoi Architectural University and the University of Adelaide's Faculty of Architecture & Urban Design.

Before flying out of Adelaide, the students said they were looking forward to the trip, for which they had to learn basic Vietnamese language.

The students also designed and printed their own "team T-shirt" with the help of the Union Studio.

Pictured are 11 of the 13 students with senior lecturer Ms Deborah White (second row left) and the Dean of Architecture, Professor Tony Radford (top right).

—David Ellis

### ACCOMMODATION

**ASCOT PARK:** 3 br, unfurn, two-storey townhouse, b-ins, carpet, 2 toilets, carport, close to transport & shops, \$145 pw. Ph 8357 7886 (ah).

**EXCHANGE:** London - English scholar, wife and young child want to swap comfortable Islington house for an Adelaide house for 2 months beginning early or mid-January 1999. Ph Hugh Stretton 8267 1012, fax 8223 1460.

**SECOND VALLEY:** Spacious home sleeps 9, 2 double br (one with ensuite), 5 single, all mod convs, overhead fans throughout, superb views, 5 mins walk to beach. Ph 8327 0761.

**WANTED:** Furn home or unit required urgently until

end of year for professional couple and 2 children. Pets and garden cared for. Ph Christine 8235 8000.

**WANTED:** Furn apartment/house. Periods as short as 1 month while you're on leave. References available. Ph Jim 8259 5895 or email <Jim.Winkles@dsto.defence.gov.au>.

**WANTED:** Furn room or house sit near Uni, Dec - Feb 98. Email <deborah.berthold.anu.edu.au>.

**WANTED:** Full furn, 2 br unit/house near shops for retired professional couple (no stairs), 22 Nov - 20 Mar 99. Ph/Fax 8332 4402.

### FOR SALE

**COMPUTER:** Apple MacIIfx, 160 MB HD, includes 14" colour monitor, System 7.1, Word

## ADELAIDEAN CLASSIFIED

5.1, ideal for thesis writing. \$450. Ph 8271 3516 (h).

**COMPUTER EQUIPMENT:** Apple Macintosh LCIII, 8 MB RAM, 14" colour monitor, extended keyboard, mouse, exc cond, \$320 ono. Apple Macintosh Laser Printer II, exc cond, minor use, new cartridge, \$340 ono. Apple Macintosh Imagewriter II printer, exc cond, \$110 ono. Desk, suit computer/student electronic height adjustment, exc cond, \$140. Ph Alex 8356 3925.

**COMPUTER EQUIPMENT:** 2 Labtam terminals with keyboard, mouse & black and white monitor. 1 Labtam terminal with keyboard, mouse and 17"

colour monitor. Make an offer. Ph Hilde 8303 3222 or email: <hcrook@ctin.adelaide.edu.au>.

**MISC:** Washing machine, television, video, baby cot and other items. Ph 8338 5962.

**STETHOSCOPE:** Littman cardiology stethoscope, \$100. Ph 8260 3805 (ah).

**TOYOTA CORONA:** 1979, auto, mechanically excellent, only 145,000km, new tyres & battery, no rust. SDL 265. \$1,400 ono. Ph 8379 1501 (after 6pm).

**TRIUMPH:** 2500S, manual with overdrive, good cond. UEP 849. \$2,300. Ph 8327 0761.

### TENDER

**TENDER:** Holden Jackaroo, base model, 4WD, 1997, diesel, 7 seater, white, 41,500km, air, manual, fabric protection, floor mats, mud flaps, roof rack, tow pack. VXO 292. Inspection 30 September, 10am - 12noon, D Harris 8303 7455. Tenders in a sealed envelope marked Tender No W294 to the Purchasing Manager, Waite by Tuesday 6 October 1998.

**TENDER:** Mitsubishi Magna Executive, V6, station wagon, auto, 1996, 119,000km, white, air, VWG 697. Inspection 30 September, 2.00-4.00pm, Stephen Guest 8303 5467. Tenders in a sealed envelope marked Tender No W293, to the Purchasing Manager, Waite by Tuesday 6 October 1998.

### MISCELLANEOUS

**FREE GUIDED WALK:** Sunday 17 October led by botanist Enid Robertson AM. Meet at main pavilion in Belair National Park at 10.00am, or at Govt Farm Oval at 1pm. Walk finishes at 3.00pm. Bring own eats/drinks, walking shoes, hat. Ph Lynda, Friends of the Belair National Park, 8278 2623.

**WEED BUSTER WEEK:** Attack on boneseed by Friends of Belair National Park. Meet outside the Information Centre, Belair Park, 9.00am or 1.00pm any day from 11 - 18 October for 2 hours work. Wear shoes, hats, gloves and bring own eats/drinks. Ph Jill, Friends of Belair National Park, 8278 6736 or 8291 4135.



# Bulletin Board

SEPTEMBER 28, 1998

THE UNIVERSITY OF ADELAIDE

PAGE 1

## CSIRO DIVISION OF HUMAN NUTRITION AND THE UNIVERSITY OF ADELAIDE

### Collaborative Grants Program

Closing Date: 16 October 1998

The University of Adelaide and CSIRO Division of Human Nutrition have collaborated in preparing a submission in the current CRC round to establish a Centre in the area of Functional Foods and Nutrition. As part of the process of developing that bid, \$100,000 has been set aside by the two agencies to encourage collaborative research projects that can help to foster and strengthen relationships and complement the activities of what we hope will be a successful CRC submission.

Projects must involve collaboration between members of The University of Adelaide and CSIRO Division of Human Nutrition as well as industry or international collaboration. Links with international research institutes in food, nutrition and health are strongly encouraged, particularly in the Asia Pacific region. Projects with the potential to lead to more significant research programs that would have the capacity to attract external funding and support from the food industry are also strongly encouraged. An amount of up to \$20,000 for one year will be awarded to successful applications.

Proposals are now invited from members of the University and CSIRO. It is suggested that bids be not more than four (4) pages in length, but they may be supported with appropriate attachments (eg, letters of support from international collaborators).

The application proforma is available from the Research Branch web site: <[http://www.adelaide.edu.au/RB/documents/CSIRO\\_UA/](http://www.adelaide.edu.au/RB/documents/CSIRO_UA/)>.

Enquiries: Mr Cyril Brown, ph: 8303 3534; fax: 8303 3700; <[cbrown@registry.adelaide.edu.au](mailto:cbrown@registry.adelaide.edu.au)>.

## RESEARCH COLLABORATION WITH INDUSTRY

### Joint Information Session

Australian Research Council

SPIRT SCHEME

Presented by Professor Peter Robinson

Chair, Australian Research Council University-Industry Research Collaboration Committee

Grants for Collaborative Research Project Australian Postdoctoral Research Fellowship (Industry) APDI Australian Postgraduate Award (Industry) APAI AUSINDUSTRY (DIST) R&D

START PROGRAM

Presented by Dr Leanna Read

Chair, R&D Start Committee, Member, Industry Research & Development Board

Grants for commercially focussed projects conducted by institutions with industry partners

**Monday 19 October 1998, 11-30am-1-30pm, The University of Adelaide Council Room, Level 7, Hughes Building, North Terrace**

**Enquiries:** Research Branch: 830 35137.

## ST ANN'S COLLEGE INC

The University of Adelaide, University of South Australia, Flinders University of South Australia

### RESIDENTIAL TUTORS and SCHOLARSHIPS

Applications are invited for eight Residential Tutor positions and for Scholarships at St Ann's College in 1999.

Residential Tutors are expected to offer academic and social leadership and pastoral care to 150 male and female students from all three universities. Tutors also provide some administrative services outside office hours.

Scholarships for remission of up to half fees are available for outstanding undergraduate and graduate students resident in the College.

Applications should be sent to the Principal by 6 October 1998.

Details are available from: Principal's Secretary, 187 Brougham Place, North Adelaide SA 5006, tel 8267 1478, fax 8267 1903.



THE UNIVERSITY OF ADELAIDE

Enterprise Education Group  
Thebarton Campus

The Enterprise Education Group (EEG) invites you to:

#### 1. Participate in our free Business Enterprise Seminars -

Martin Luther of Applied Design Development will talk about how this multi-disciplinary design consultancy achieves its goal of creating innovative solutions to develop new products. 'Science and elegant design work harmoniously with commercial reality'. **Wednesday 7 October, 9.30 - 11.00a.m.** RSVP to Clare Coster by 2 Oct.

**The Story of Vili's.** Vili's business was based upon, and now thrives on, innovation. How Vili achieves success in the market place through innovation is the focus of this seminar, to be held **Wednesday 21 October 1998** at the University's Thebarton Campus. Please arrive at 9.15a.m. for a 9.30a.m. start. Seminar concludes 11.00a.m. Venue: building 16 Lecture theatre.

**2. Are you a final year student or recent graduate? Is the idea of starting your own business an attractive career option?** If so, do you know about our newly developed modules, designed at professional and graduate level? Subjects available: Introduction to Small Business Management; Small Business Finance; Entrepreneurship and Innovation; Managing Human Resources; Business Communication; Small Business Operations. Modules available for on-campus or external study; full time or part-time; full qualification or 'stand alone' modules. Please note a Fee applies to all programs except the Seminar.

Contact Clare at the Enterprise Education Group, NOW on 8303 3098, fax 8303 4844, or email [ccoster@il.adelaide.edu.au](mailto:ccoster@il.adelaide.edu.au) for further details and registration. The University of Adelaide Thebarton Campus, 35 - 37 Stirling Street Thebarton SA 5031.

## MONDAY 28 SEPTEMBER

**1.00pm Microbiology & Immunology Seminar:** Regulation of prolonged P-selectin expression on endothelium by Dr Yeesim Khew-Goodall (Hansen Centre for Cancer Research/IMVS). Departmental Library, 5th Floor, Medical School South.

**1.10pm History Staff/Postgraduate Seminar:** The Making and Remaking of the Australian Boy: middle-class ideals of manly youth in Australia, 1870-1920 by Mr Martin Crotty (History, University of Melbourne). Common Room, 4th Floor, Napier Building.

**4.00pm Crop Protection Seminar:** Nematodes vs Snails: Who's got the legs to stand on? by Dr Suzanne Charwat (Postdoctoral Fellow). Charles Hawker Conference Centre, Waite Campus.

## TUESDAY 29 SEPTEMBER

**12noon Lyell McEwin Health Service Tuesday Grand Round:** The Role of Nitric Oxide in Heart Failure by Dr Margaret Anne Arstall (Cardiologist, The Queen Elizabeth Hospital). Conference Room 1, Community Health Building, Lyell McEwin.

**1.10pm Anatomical Sciences Seminar:** Expression of blood-brain barrier markers in toxin-induced brain oedema by Dr M Ghabriel (Anatomical Sciences). Room S127, Medical School, South Wing.

## COMING EVENTS

September 28th — October 9th

## WEDNESDAY 30 SEPTEMBER

**6.00pm Centre for Intercultural Studies & Multicultural Education Seminar:** Business and Ethics: Making the Right Choices by Mr Douglas Henck (Senior Vice-President of the American International Group). Council Room, 7th Floor, Hughes Building. Refreshments from 5.30pm. Enquiries: Elizabeth Balan / Mariusz Kurgan 8303 5788.

## FRIDAY 2 OCTOBER

**11.30am MLC/ACUE Seminar:** Developmental Dyslexia: Description, experiences and learning strategies by Ann Whittaker (Pure Mathematics). Mathematics Learning Centre (above the University of Adelaide Club).

**1.00pm Biochemistry Seminar:** Transgenic Approaches to Skin Disorders by Dr Joe Rothnagel (University of Queensland). Seminar Room, 2nd Floor, Darling Building.

**1.15pm Inaugural Lecture Series:** Fayol and Follett: Messages for Contemporary Management and Accounting by Professor Lee Parker (Commerce). Lecture Theatre 102, Napier Building.

**4.00pm Obstetrics & Gynaecology Seminar:** The role of

stem cells, polyamines and growth factors in the regulation of hair and wool growth by Dr Phil Hynd (Animal Science, Waite Campus). Seminar Room, 6th Floor, Medical School, North Wing.

## TUESDAY 6 OCTOBER

**3.15pm Anthropology Seminar:** Incoherent Selves: Migrancy, whiteness and the settler self in contemporary Australia by Jane Haggis and Susanne Schech (Sociology, Flinders University). Room 702, Level 7, Schulz Building.

## WEDNESDAY 7 OCTOBER

**10.10am Electrical & Electronic Engineering Seminar:** Recovering Your Right Position in the World - GPS Interference Mitigation by Professor D Gray (Centre for Sensor Signal Information Processing). Lecture Room S112, Engineering South.

**12.30pm ARCHSS Seminar:** Slicing the Green Curtain: Conflicting Interests and Land-use Change in Southeast Asia by Associate Professor Lesley Potter (Geography). Room G08, Napier Undercroft.

**1.00pm Zoology Seminars:** Standards of living and offspring

plasticity in terrestrial nesting frogs by Ms Nicki Mitchell, and Fragile - handle with care: Egg shell manipulation in chicken eggs and its effect on embryonic development by Kerstin Wagner. Seminar Room, 4th Floor, Fisher Building.

**1.10pm Geology & Geophysics PhD Final:** Geology and Fluid Geochemistry of the Junction Gold Mine, Kambalda, WA by Paul Polito. Mawson Lecture Theatre.

**4.00pm Physiology Seminar:** Hormonal and Environmental Influences on Brain by Lesley Rogers (School of Biological Sciences, University of New England). Meeting Room N416, Medical School North.

## THURSDAY 8 OCTOBER

**12noon HCCR/IMVS Seminar:** Cell transformation by normal and mutant forms of the c-kit receptor tyrosine kinase by Associate Professor Leonie Ashman (Division of Haematology). Verco Theatre, IMVS.

**7.45pm Field Geology Club Lecture:** Dynamic Changes in the River Murray Mouth by Associate Professor Bob Bourman. Mawson Lecture Theatre, Mawson Laboratories.

## FRIDAY 9 OCTOBER

**1.15pm Inaugural Lecture Series:** Future Systems for Cropping Low Rainfall Areas in South Australia by Professor David Coventry (Agronomy & Farming Systems). Lecture Theatre 102, Napier Building.

# The new University of Adelaide Card is here

**EARLIER THIS YEAR, the University of Adelaide became the first in Australia to replace old-style student cards with smart card technology. To date, over 14,000 smart cards have been issued to the students of the University.**

**The next step in embracing this new technology is the issuing of new cards to staff.**

**This process gets under way in October.**

## What does the card do?

### It's an ID Card

The University Card gives access

to a range of essential services and functions, with your name, photo and Staff number making it an invaluable form of ID.

### It's a Library Card

The barcode on the front of the University Card carries your library membership details. It lets you borrow books and gives you access to other library services.

### It's an Access Card

The magnetic strip on the back of the University Card enables you to have access when you need it to buildings and facilities that you are authorised to enter. This in turn helps to ensure your safety on campus.

**But the University Card is also much more...**

## An Electronic Purse

The University Card can be used as an 'electronic purse'. At different locations around campus you can reload cash value onto the Card. This involves a simple funds transfer and once it is 'loaded' you can use the Card for small 'convenience' purchases on campus, such as **Photocopying, Vending Machines and Campus shops** as well as **Telstra Smart Payphones**.

## Reload terminals

Telstra has installed Reload Terminals around the University

so you can top up your Card with cash 24 hours, 7 days a week. The Card is inserted into the reload terminal, arrow facing up. The Unattended Reload Terminal will then display the initial card balance and operating instructions. The Reload Terminal will print a receipt and will load the equivalent cash value onto your University Card.

### How much can be reloaded?

The minimum amount is \$5 and the maximum is \$500.

### Where are the Terminals?

Unattended Reload Terminals are or will soon be installed at the following locations:

- Just around the corner from the Security Office/Smart Card Centre, Hughes Plaza

- In the foyer of the Barr Smith Library (next to the payphone)

- Inside the Barr Smith Library on the far wall from the entrance, by the stairs.

- In the foyer of the Union Building

- In the foyer of the Medical School North

- In the Ligertwood Building by Briefs

- In the Napier Building foyer as part of the Smiths Crisps/Coke recharge centre

- Waite Campus

- Roseworthy Campus.

Attended reload terminals will also be installed at shops on campus.

## How the University Card will be distributed

STAGE ONE will involve distribution of the University Card to some 2,500 University staff who hold a contract of employment with the University of greater than three (3) months. All the following information relates only to those staff. Staff in all other categories, including casuals, will be dealt with at a later date.

To facilitate the distribution process, University Cards will be issued by building location over a six (6) week period, in accordance with the schedules on this page.

### NORTH TERRACE CAMPUS

- Cards will be issued to staff who hold contracts of employment greater than three months.
- Photos will be taken and cards printed/distributed from the Card Centre in the Hughes Plaza (next to Security Office).
- Staff will need to produce a recent payslip (with their staff ID number) to the Card Centre to identify themselves prior to being issued with a card.
- Staff with approved out of hours building access will also need to provide their existing access card to the Card Centre in order for new access to be encoded on the University Card.

### WAITE AND ROSEWORTHY

- Cards will be issued to staff who hold contracts of employment greater than three months.
- Photos will be taken on-site in the Library (via Digital Camera), downloaded and forwarded by e-mail to the Card Centre.
- Cards will be printed in the Card Centre and then forwarded to Waite/Roseworthy to be distributed to staff by Library personnel.
- Staff at Waite and Roseworthy will also need to produce a recent payslip (with their staff ID number) to Library staff to identify themselves prior to photos being taken.
- Staff at Waite with approved out of hours building access will also need new access to be encoded on their University Card, and are strongly urged to get their photo taken as early as possible in the designated period.
- The specific times when staff can be photographed for their University Card at Waite and Roseworthy will be advised in later issues of the *Adelaidean* and on the electronic bulletin boards.

### SPECIAL NOTE:

It is important for as many staff as possible to collect their new University Cards in the periods designated.

In particular, staff with current out of hours building access cards should obtain their new card as EARLY AS POSSIBLE in the times allocated or they may be denied access to certain areas of their building(s) in the period up to the date when the old cards become totally invalid (i.e. the date in the right hand column). From this date on, all staff requiring out of hours building access will need a new University Card with the building access encoded.

Staff from Somerton and Thebarton will need to obtain their University Card from the Card Centre, Hughes Plaza.

## North Terrace

Building Location	Distribution Period	Building Access Card Holders	Date Old Building Access Cards Invalid
Medical School North Medical School South	12/10/98 – 23/10/98	12/10/98 – 16/10/98	27/10/98
Napier Lower Napier Ligertwood	19/10/98 – 30/10/98	19/10/98 – 23/10/98	27/10/98
233 North Terrace 230 North Terrace	26/10/98 – 6/11/98	26/10/98 – 30/10/98	16/11/98
Mitchell Hughes	26/10/98 – 6/11/98	26/10/98 – 30/10/98	16/11/98
Physics Oliphant Darling Schulz Badger Johnson Horace Lamb	2/11/98 – 13/11/98	2/11/98 – 6/11/98	23/11/98 23/11/98 25/11/98 25/11/98 25/11/98 25/11/98 27/11/98
Engineering South Engineering North Engineering Annex	9/11/98 – 20/11/98	N/A	N/A
10 Pulteney Barr Smith Library Madley Hartley Architecture Maths Wills Somerton/Thebarton	16/11/98 – 9/12/98	N/A	N/A

## Waite and Roseworthy

Building	Photo/Distribution Period	Building Access Card Holders	Date Old Building Access Cards Invalid
WAITE Resource Centre Main Building Northern Barns Horticulture Centre Quarantine Wine Science Charles Hawker Centre	9/11/98 – 20/11/98	9/11/98 – 13/11/98	4/12/98
*Sardi/CSIRO/ Aust. Wine Institute	To be advised		
ROSEWORTHY	9/11/98 – 24/12/98	N/A	N/A

**IF YOU HAVE ANY QUERIES ABOUT THE CARD DISTRIBUTION PROCESS, PLEASE CONTACT THE CARD CENTRE, HUGHES PLAZA, TEL 8303 3363.**