

# ADELAIDEAN

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NEWS FROM THE UNIVERSITY OF ADELAIDE

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## Value-adding pigs: slurry with a boost on top

RESEARCHERS at the University of Adelaide are aiming to turn a serious environmental problem into an opportunity for value-adding.

A team from the Department of Agronomy and Farming Systems—Dr Ian Nuberg, Chris Penfold and Stephen Mylius—is investigating how pig slurry can be used more effectively to enrich soil and boost crop yields.

The three-year project is being funded by the Pig Research and Development Corporation.

Dr Nuberg said pig farmers currently disposed of effluent—which is high in nitrogen—by spreading it on paddocks, but much of the fertiliser value was lost to the atmosphere.

“The first phase of the project at Roseworthy is investigating whether deep injection of pig slurry into the soil with a para-plough will prevent the loss of nitrogen to the atmosphere, boost protein levels in wheat, barley and canola, and improve yields,” he said.

“Early results have shown that the injection method can almost double yield over surface application.

“But our real interest is in how much of the nutrients from one year’s application is carried over into subsequent years.”

The field crop aspect of the research is being conducted on three hectares of land at Roseworthy, with the area

divided into three sub-subplots with varying application rates.

Dr Nuberg said the second phase of the project was a horticultural trial looking at the effects of various dilutions of pig effluent on the vegetative growth and quality of olives and fodder crops.

The overall concept is to design an integrated horticultural and cropping system that could be annexed to a piggery on a mixed farm.

Dr Nuberg said if the research results proved that using pig effluent produced high value, high protein crops there would be an opportunity for pig farmers to diversify and value-add.

“If we find this works, then what was once a disposal problem could become a source of high value adding and an opportunity to integrate with other enterprises,” he said.

“While some pig farmers might not be interested in field crops they may have enough land to put in an orchard which would give them more economic stability.”

—Anne Cope  
Peter Fuller & Associates

(This is an edited version of an article that appears in the latest publication of the Faculty of Agricultural and Natural Resource Sciences).



From left to right: Researchers Chris Penfold, Ian Nuberg and Stephen Mylius — pig slurry could be used to improve olive crops. Photo courtesy of Ian Nuberg.



Pig slurry adds value. Photo: Brenton Edwards.

## New course a launch pad

THE UNIVERSITY OF ADELAIDE is teaming up with the Regency Institute of TAFE to respond to forecasts of 300% growth in the South Australian food sector over the next 10 years.

Part of the response is the introduction of a new Bachelor of Food Technology and Management degree to be taught between the two institutions.

Dr Andreas Klieber, a Senior Lecturer at the University’s Department of Horticulture, Viticulture and Oenology, said the course would play an important role in keeping up with community expectations of food manufacturing.

“Consumers are demanding new and innovative food products to provide convenience in their busy lives,” he said.

“At the same time, they want to be assured that the food they eat is safe.”

The new degree course will provide a launch pad for careers in areas such as food product development, food quality management, food processing operations, emerging legislation, market analysis, food promotion and international marketing.

The University of Adelaide will bring to the course its skill and expertise in food-related sciences, human nutrition, management and food marketing.

The Regency Institute of TAFE will provide training in applied food science, technology and processing.

Enrolments are now being accepted for the course, which will start next year.

—John Drislane

## PM’s Council appointment

THE UNIVERSITY of Adelaide’s Professor of Oenology, Peter Høj, has been appointed to the Prime Minister’s Science, Engineering and Innovation Council.

Professor Høj, a biochemist and plant molecular biologist, holds the Australian Wine Industry Chair of Oenology and is Director of the Australian Wine Research Institute. He has been appointed a member of the Council in a personal capacity.

Chaired by the Prime Minister, Mr Howard, the Prime Minister’s Science, Engineering and Innovation Council is the Government’s principal source of advice on issues in science, engineering and technology, and

relevant aspects of education and training.

Professor Høj said he viewed his membership of the Council as a very important task.

“Hopefully, I can help instigate strategies which will maximise the social and economic benefits that Australia can derive from research and development,” he said.

He said that “strengthening the nexus between the science and its application is an important driver in the quest for enhanced funding for basic and strategic research in both the public and private sector”.

—David Washington



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1874-1999

Celebrating  
**125** years

# COMMENTARY

## MEDICAL EDUCATION IN THE MILLENNIUM: TOWARDS A SEAMLESS MEDICAL EDUCATION

Medical education is unique and complex. Although sharing many similarities with other areas of higher education, it has certain features which make it distinct: clinical teaching at the bedside, acute social and emotional pressures, a hierarchical structure and a strong professional culture coupled with an exceptionally high workload.

As the year 2000 fast approaches, the time is ripe to look towards the future of medical education in the new millennium. How should we prepare doctors who can serve the needs of the next century?

Flexner's reforms in North America at the end of the last century led to an emphasis on the sciences as the basis of medicine and essentially dictated the pathway for medical education for the 20th century. Whilst a landmark achievement in many ways, an integrated education did not follow, and the outcome was a clear separation between the basic and clinical sciences. The typical medical degree was a basic science course followed by various clinical attachments with learning very much centred on the teacher. As a centenary-year graduate of the University of Adelaide, my own undergraduate education reflected this model.

However, the need for a new paradigm in medical education has become evident in recent decades. Some important issues stand out in my mind as I reflect on my medical undergraduate and junior doctor years.

The rapidity of growth in new knowledge and the importance of lifelong learning have become critical issues. As I started my internship at

The Queen Elizabeth Hospital, CT scans were relatively new and hospitals around town had yet to experience as routine the marvels of magnetic resonance imaging to be revealed in the future. Cases of a new disease called AIDS were starting to be described in medical journals but had yet to reach standard textbooks and certainly not the staggering level of public consciousness that we now know. Same-day surgery was unknown, with the advances in surgical and anaesthetic techniques that now make keyhole surgery a common event yet to be developed. The concepts of gene therapy and molecular medicine were unreachable dreams rather than a tangible reality. The world wide web, CD ROM and tele-education as modes of delivery of educational materials were a futuristic pipedream. Many more examples spring to mind from every medical discipline imaginable.

As new knowledge expands exponentially on every front, old "truths" become obsolete.

For medical education at all levels there is a need for a true continuum of learning: a seamless, lifelong learning in order to adapt to this dynamic environment. Extensive educational research and development have led to major changes in medical curricula worldwide, cognitive and constructivist theories of learning have changed our concepts of how learning can occur, research has enhanced knowledge on the development of medical expertise, and new practices have been developed for skills training and the assessment

by  
**Dr Elizabeth O'Driscoll**  
Head, Clinical Education  
Development Unit, NWAHS  
Clinical Studies Advisor,  
University of Adelaide

of clinical competence. Despite these advances, we still have a long way to go to achieve the goal of a "seamless education".

I well remember the first day of "real" medicine as a student with my peers in third year starting a clinical attachment for the first time. There was a real gulf between the knowledge we had and the ability to access and use it in this environment. The gulf between translating and applying theoretical knowledge into a clinical patient interaction still exists for medical students today.

While the months after graduation are among the most demanding and exciting in the career of a doctor, the junior doctor years have for a long time "fallen between the cracks" in terms of education, being neither the domain of the university nor the domain of the postgraduate colleges. Enormous progress has been made in recent times in an effort to rectify this situation; however the delivery of consistent, high quality education in the clinical environment often remains elusive.

Medical education must be firmly based in professional clinical practice but, ironically, a critical barrier to teaching and learning in the clinical setting is the inherent tension between the need to provide clinical service and the desire for ongoing education.

Clinical experience is declining for all, with shorter patient hospital stays and increasing medical specialisation. Doctors are busier than ever with increasing and competing demands on

their time from every quarter. Despite an increased understanding and demand for better training, there is a lack of robust mechanisms to ensure objectives are achieved.

Of paramount importance is the need to clearly identify and protect funds for medical education. In the UK, the nettle has already been grasped in this area with defined funds allocated directly to clinical teaching. In Australia, this thorny issue appears to be in the "too hard" basket where it will remain unless there is extensive lobbying from universities and other key stakeholders.

Forward-thinking education is looking to integrated, student-centred approaches where clinical exposure is multifaceted, controlled and coordinated.

The "skills centre" approach has increasingly become an important learning resource for undergraduate and also postgraduate medical and nurse education. A skills centre is a facility in which both students and qualified staff can learn, develop and refresh skills to specified levels of competence. Such skills range across history taking and physical examination, communication skills, practical and procedural skills, as well as a range of information technology skills. Patients may include both real and simulated patients, with people trained to portray clinical problems, or models, mannequins and other simulations providing a safe, realistic and nonthreatening way of mastering these skills in a controlled and monitored way.

*Continued Page 6*

Celebrating  
**125** years

## FROM NEAR AND FAR

Patricia Een was born in Wiltshire, England and moved with her parents to Adelaide in 1927. She was educated at Presbyterian Girls College, now Seymour College. She attended Teachers' College for two years, leaving in 1942 to marry. As Patricia Sprigg, she graduated BA in 1943, topping that year in Political Science. She worked in the History School in 1945 and 1946 under Professor Portus, reading essays and lecturing in History 1. In 1948 she left South Australia for London, where she worked for Future magazine and read law at Lincoln's Inn. She moved to Sweden in 1951 to remarry. Her husband Gillis Een has been a Technical Director of Alfa-Laval, Science Counsellor at the Swedish Embassy in London 1982-1984 and lastly consultant in Biotechnology until retiring. They have two daughters, Kristina and Anne Marie, and 3 grandchildren. Patrician Een has been particularly engaged with her husband in their joint consulting company, and has also taught English to adult groups. Now happily retired, they travel often to southern Europe and fervently support the European Union (EU).

When I was asked to contribute some lines to the *Adelaidean* a phrase from a well-known Swedish student song sprang immediately into my mind. It translates roughly as "Let's sing of happy student days". This is indicative of my recollections—they were happy days, despite war and consequent restrictions.

The University of the early nineteen-

forties had a very special atmosphere and composition. A large percentage of young male students had joined the forces, except those training for professions essential to the war effort. It was a small university. This, I think, made for a comradeship which might have been less diversified otherwise. We had friendships outside our own faculties. I owe a tremendous debt to my own friends from that epoch of my life—Kath Woodroffe, Reg Sprigg, Jean Whyte, Joan Holland-Brewer among others—some tragically no longer with us.

The age composition and war restrictions also gave women students a chance to be both heard and seen in a new way. It made it easier to come nearer our professors and lecturers. I treasure memories particularly of Professors Portus, JIM Stewart and Douglas Mawson. They were entirely different personalities but giants in their own way.

The "absence" of a generation, both among students and staff, gave incredible opportunities to some new graduates. I think of Bruce Williams, Roma Williams and of myself. There were certainly others. Having graduated creditably we were taken on almost immediately as lecturers and tutors. What a boost and a start in life which our children and grandchildren can envy us.

I have painted a picture of an idyll. Of course it wasn't so. There were tensions within the University which one cannot ignore even in retrospect.



Patricia Een: happy days at University. Photo courtesy of Mrs Een.

These were highlighted by the fears of a Japanese invasion, by the sorrow caused by the death of friends on service in Europe and the Pacific, by the interest in other political systems aroused by having Soviet Russia as a war ally. There were strong Left and Right wing groups within the University and animosity culminated in the Max Harris incidents. Whatever our political views I feel that today most of us can only deplore these episodes.

From Sweden, where I have lived since

1951, I cannot assess the Adelaide and the University of today. I can only express my gratitude for the training and the values with which it endowed me, and for the friendships it gave me the chance to cultivate. I believe that these war years held special opportunities. If there are possibilities to recreate something of this atmosphere of intimacy and opportunity, by scaling down the size and anonymity of large modern universities, I cannot judge. The world has moved on, and we must do so with it.

# It's our Uni - and it's Open!

WANT to know how our engineers designed the flame for the Olympic Torch? Want to see indigenous music performed at a Bush Barbecue? Want to follow the Science Trail and become an Adelaide science cadet?

All this and more will be on show at Open Day at the University of Adelaide's North Terrace campus, Sunday 1 August.

In its 125th anniversary year the University is inviting the people of Adelaide to join in the celebrations and learn how the University has played a major role in South Australia for the past 125 years.

To promote the event, colourful banners are displayed along King William Street, and buses have been carrying the message about Open Day since mid-June.

In a new initiative, the Vice-Chancellor has invited school captains to join her and the University's student leaders in a "getting to know you" function over coffee and cake in the Wills Refectory at the start of Open Day

For those interested in studying at Adelaide, details of all courses will be available at the Career



Staff from the Vice-Chancellor's Office get into the spirit of Open Day with one of the colourful banners prepared for the University's perimeter fences. L to R: Rosalyn Chardon, Pue-San Ng and Amy Mikhail. Photo: David Ellis.

& Course Expo in Bonython Hall, the "one stop shop" for course information.

Tours of the campus, the Barr Smith Library and the University's many venues and facilities will also be available, while Faculty displays showcase the diverse activities in which the University is engaged.

There is also a varied

entertainment program provided by the Faculty of Performing Arts and by the Adelaide University Union, with bands in the Cloisters and on the Hughes Plaza.

And there will be no shortage of food and drink around campus.

Equinox, the Gallery Coffee shop and the Mayo Refectory in the Union Building will be open,

with other food available on the Goodman Crescent Lawns, the Walter Young Lawns and in the Medical School.

Meanwhile, Roseworthy Campus will hold an Information Day on Friday, 30 July, with the Waite Campus Open Day on Wednesday, 4 August. Contact 8303 7910 (Roseworthy) or 8303 7337 (Waite).

## UPM learning link for Camtech

UNIVERSITY OF ADELAIDE company Camtech has opened its Malaysian-based office and has announced a new business in the country.

To mark a renewed push into Malaysia, Camtech recently officially opened its office in Kuala Lumpur, where it employs eight people including Camtech regional manager South East Asia, Chris Hill.

The company also announced the launch of the Java Learning Centre, a leading IT education centre based at Malaysia's largest Science and Technology university, Universiti Putra Malaysia (UPM).

Camtech won the contract to set up and operate the centre through its partnership with UPM, which is also closely associated with Camtech's 100 percent shareholder, the University of Adelaide.

Through the Java Learning Centre, Camtech will deliver the latest computer programming skills to more than 800 of the university's

staff and students over the next two years.

The launch of Camtech's office and the Java Learning Centre was attended by Malaysia's Minister of Energy Communication and Multimedia, Dato Leo Moggie, Australian High Commissioner for Malaysia, Robert Cotton, Camtech chief executive officer, Bruce Linn, University of Adelaide Vice-Chancellor, Professor Mary O'Kane, as well as more than 20 media representatives.

"I'm pleased to see Camtech expanding its involvement in Malaysia, particularly through the education sector," Professor O'Kane said.

"The University of Adelaide has a growing relationship with UPM and technology plays an increasingly important role in education at the highest level."

Apart from its training services, the company sees a vibrant market for its E-Commerce solution and plans to open a Payment Gateway in Malaysia within the next six

months.

Camtech chief executive officer Bruce Linn said the company was well placed to take advantage of the fresh outlook in Asia.

"In the last two visits to Asia, I have noticed a palpable change in the business atmosphere. The feeling on the street, where it all happens, is much more positive," he said.

"Having made the investment in the region when the market was flat, we are well positioned to grow the business rapidly now. We are on track for 40 percent revenue growth by the year 2000."

Camtech is a leading South Australian IT company that has achieved much success in the delivery of its E-Commerce Payment Gateway solution which allows secure credit card transactions over the Internet. With most of the nation's major banks using its technology, Camtech claims to hold more than 60 percent of the payment gateway software market in Australia.



## Adelaide and Elizabeth

We sometimes take for granted the access we have to wonderful events like the Festival of Ideas, held recently in and around the University of Adelaide. It's a rare and exciting job that gives you such opportunities to listen to, and engage with, some of the most creative thinkers in the world.

University people (students, alumni and staff), in our busy and highly focused lives, tend to overlook the privilege and richness of our situation. Many people, of course, don't have our opportunities or else they can't conceive that such opportunities could be open to them. Maybe we have inadvertently put barriers in their way.

The Equity Outreach project, described in the last *Adelaidean*, is working with students in some northern Adelaide suburbs around Elizabeth to understand how to remove these barriers and increase university participation in students from so-called "low socio-economic" backgrounds.

Our performance in attracting students from these backgrounds has not been good, despite the fact that those students who do find their way here perform as well as any others. So I have been encouraged and inspired by reports from the project team about how we can encourage more of these students to come to the University of Adelaide.

The good news is that, despite a lack of knowledge about the University, the team has discovered a relatively high degree of parental and peer support for university study. Students are generally prepared to talk to their parents about university study and many parents believe university is important. However, the team's findings also show that significant barriers exist, such as a lack of knowledge about university at home, a lack of confidence and financial and geographic obstacles.

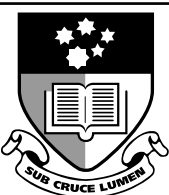
How do we tackle these problems? For a start, we have to build knowledge of the University by providing accessible material and an ongoing human presence in "low SES" schools. We need a presence in those communities where the University of Adelaide is largely unknown.

Perhaps the concept of mentoring, which has created excellent results in our Science Faculty, should be extended. University students can play a really positive role in helping to educate and inspire school students (many students play such a role already). Knowing someone at uni can build confidence and ease the fears of the prospective student.

We gain nothing from performing badly in low-SES areas. In fact, the evidence suggests we are losing the opportunity to harness the talents of a significant proportion of our community.

We are indeed privileged at the University of Adelaide to have access to great resources, great ideas, inspiring people and a culturally rich environment. I hope the Equity Outreach program can be the beginning of a new era when our riches can be more equally shared across the community.

MARY O'KANE



## ADELAIDEAN

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## End of the world this week

By GLENN STANAWAY  
in London

THIS week is a good time to make the most of whatever turns you on because — if followers of the 16th Century astrologer and physician Nostradamus are right — the world ends on Sunday.

In Japan, home of Nostradamus's most fervent supporters, the message has become obsessed with the crowd.

The Internet is also being flooded with people offering their own thoughts on whether Nostradamus's prophecy is right and what one should do for their last week on Earth.

Unsurprisingly, working and setting debts, or obtaining from alcohol, do not seem to figure highly in search activities for the week.

The basis for the current panic is a book called *Cervantes*, in which Nostradamus wrote 3000 predictions in rhymed quatrains. For the sceptical theorists,



Doom ... Nostradamus

Cervantes X Quatrain 71 translates as: "In the year sixteen hundred and sixty nine, seven months, from the sky will come a great King of Terror. He will resurrect the great King of Argobreen, before and afterwards Man regna happily."

While the forecasts by Nostradamus are vague enough to cause almost anything, the *Swenson* before the Volvo Sea area battle between North and South Korea, the worst Japanese jet and — adding — Marina Haged's *Wasteland* defeat, are viewed, pointers to the end of the world.

In Europe, there is a growing view that Nostradamus got his dates wrong by a month and that the world will come to an end on August 21 when the northern hemisphere experiences a total eclipse of the Sun.

However, English philosophers are also urging the public not to panic.

They argue that while Nostradamus has been credited with achievements such as forecasting the Great Fire of London, revolutions, wars and Adolf Hitler, he has been wrong before.

Importantly, they note his predictions continue until the year 2000, which they say is hardly a good sign that he really believed all would end on July 6, 1660.

3—THE DAILY TELEGRAPH

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# Forum on contract research

CONTRACT RESEARCH will be the focus of an important staff forum at the University of Adelaide on 30 July.

The forum at the Hughes Lecture Theatre (noon-1pm) has been called to discuss ideas for boosting the University's income from research activities.

The Deputy Vice-Chancellor (Research), Professor Ross Milbourne, will give a presentation outlining some of the major issues involved, including possible implications of the recent Green Paper on Higher Education Research and Research Training.

In a staff circular earlier this

month, the Vice-Chancellor, Professor Mary O' Kane, said the University needed to boost its discretionary income if it was to achieve sustainable salary increases for staff.

She said it was clear from her discussions with staff in recent months that increases in net revenue should come from the University's core business areas of education and research.

The research forum follows an education forum on 2 July at which the concept of switching from a semester to a trimester system was debated.

Professor Milbourne's presentation will examine a range of

options for boosting income from research activities, including:

- building business around the University's key areas of research strength
- better matching of research opportunities with research expertise
- targeting more international funding sources
- achieving a higher profit rate from contract research work, and
- re-distributing departmental teaching loads to assist potential contract researchers.

—John Drislane

## Marmalade CD a tangy blend of musical styles



Drummer John McDermott, electric bassist Shireen Khemlani and Mark Ferguson. Photo: Andy Rasheed.

THE "MARMALADE TRIO", featuring the University of Adelaide's first jazz Master's graduate Mark Ferguson, has produced its debut CD.

Mark, who graduated this year and teaches at the University, is a composer, arranger and pianist. The CD features some of his original compositions as well as the trio's interpretations of pop and jazz classics.

Mark Ferguson said the CD was a positive and upbeat recording which should appeal to those who appreciate contemporary music as well as the jazz aficionado.

The CD, which was produced with the assistance of the Helpmann Academy, is on sale from John David Records, Twin Street Arcade, in the city.

## Public Lecture Series to celebrate 125th

THE DEPARTMENT OF HISTORY is celebrating the 125th anniversary of the University of Adelaide with a series of public lectures to be presented by three distinguished historians.

They are: Professor Dick Geary (University of Nottingham); Dr Paul Hammer (Queen Elizabeth II Australian Research Fellow); and Professor W

Wesley Pue (University of British Columbia).

**10 August**  
Professor Dick Geary: Voting for Hitler. The Peculiarity of German Politics?

**17 August**  
Professor W Wesley Pue: Law for the Beaver and the Kangaroo: Inscribing Britishness in Canada and Australia

**14 September**  
Dr Paul Hammer: Thinking About Virginit: Reading and Writing about Elizabethan England.

All lectures in the series will be held in the Napier Building, Lower Ground Lecture Theatre LG29, at 6.30pm

## Deputy Vice-Chancellor (Research) resigns

PROFESSOR ROSS MILBOURNE, Deputy Vice-Chancellor (Research), has resigned from the University of Adelaide effective as of 14 January 2000.

Professor Milbourne, who was formerly a Professor of Economics at the University of New South Wales, is the Chair of the Australian Research Council, Research Grants Committee. His resignation is timed to coincide with the end of his term as Chair of that Committee.

Professor Milbourne said he had enjoyed working at the University of Adelaide and believed that it had a very strong future.

He was unable to comment on his future plans at the moment but added that "it is an interesting time in both higher education and global economics at present".

The Vice-Chancellor, Professor Mary O'Kane, thanked Professor Milbourne for his contribution to the continuing development of the University's research performance. She also commended his contribution to the national research scene.

The University has begun a search for a replacement for Professor Milbourne.

# Premier's Scholarship winner in the fast lane

UNIVERSITY OF ADELAIDE student Stephen Rodda found himself exchanging contact details with one of the world's most eminent biochemists at an international conference in Norway last month.

In September, he will have the chance to expand his contacts further when he travels to another important conference in Queensland.

For Mr Rodda, a PhD student in the Department of Biochemistry, the ability to attend conferences has been one of the greatest benefits of winning the Premier's Scholarship in Bio Science.

"My field of research—developmental biology—is a very fast-moving one," he said.

"It's very important to stay up to date with what's happening, and attending conferences is a good way of doing that.

"It's an opportunity to meet the big name people in the field and talk to them about their

work, your own work and any technical difficulties you may be having.

"Without the Scholarship, there's no way I could ever afford to do that."

Mr Rodda, a former Banksia Park High School student, was awarded the Premier's Scholarship after graduating with a BSc (Hons) degree last year.

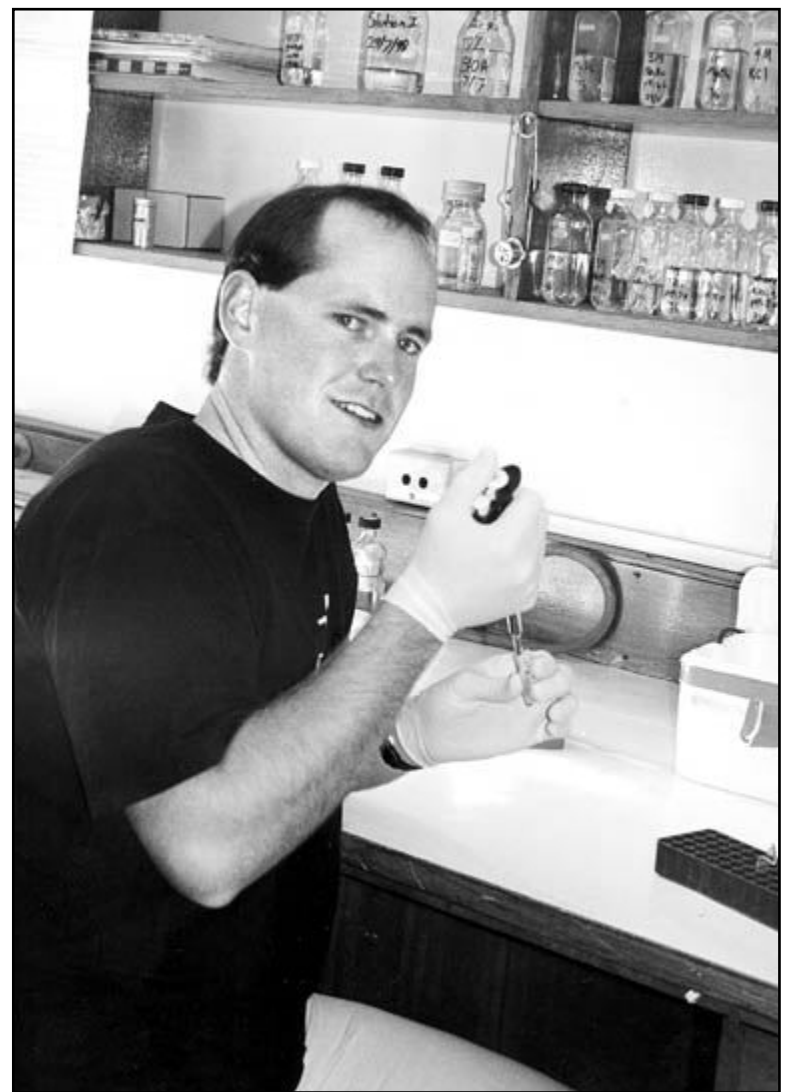
His PhD study is centred on a newly-identified regulatory gene which he has already successfully cloned.

He is investigating the gene's function, how it impacts on target genes and the role of the target genes themselves during mammalian development.

After completing his PhD, Mr Rodda plans to undertake post-doctoral research overseas.

In the longer term, he aims to secure a lectureship at an Australian university.

—John Drislane



Stephen Rodda—Premier's Scholarship winner. Photo: John Drislane

## Adelaide access scholarships

THE UNIVERSITY OF ADELAIDE is offering up to 30 scholarships to students new to higher education who enrol at the University in 2000.

All applicants must be able to demonstrate financial need.

A number of the Adelaide Access Scholarships will be specifically for students

who have undertaken Year 12 in a rural or isolated area or are indigenous Australians.

The value of the scholarship is \$2,000 for the first year of enrolment.

Applications close on 26 February.

For further information and application forms contact the Scholarships Section on 8303 3044.

## Waite Open Day celebrates 75 years of research and teaching excellence

WINE AND HORTICULTURE will be features of the 1999 Waite Open Day to be held on Wednesday, 4 August.

The Open Day gives the general public, and particularly the rural community, the opportunity to speak face to face with scientists from the University of Adelaide and its collocated partners. These include:

- The South Australian Research and Development (SARDI)
- The Australian Wine Research Institute (AWRI)
- CSIRO
- Co-operative Research Centre for

Molecular Plant Breeding

- Co-operative Research Centre for Weed Management Systems
- Co-operative Centre for Viticulture
- Primary Industries and Resources South Australia (PIRSA).

Displays and demonstrations will showcase research and teaching developments in areas such as wine, horticulture, plant biotechnology and sustainable land management.

The Campus's impressive facilities will also be open, including the new \$3.5m Hickinbotham Roseworthy Wine Science Laboratory.

### Details

**Date:** Wednesday, August 4

**Time:** 12:30pm -5pm

**Where:** Waite Campus  
University of Adelaide  
Waite Road  
Urrbrae (off Cross road)

### CONTACTS

**Tel:**  
(08) 8303 7337 for details

**Email:**  
sbehen@waite.adelaide.edu.au

## Medical appointment

DR KAREN JONES has been appointed as the Dr Paul Janssen Senior Lecturer in Medicine, based in the Department of Medicine at the RAH.

The lectureship is a substantial ongoing commitment by Janssen-Cilag Australia to the University of Adelaide. It is named in honour of the founder of Janssen Pharmaceutica, Dr Paul Janssen, who won the 1996 Australian Prize for Drug Development.

Dr Jones's research interests relate to the evaluation of gastro-intestinal motor function in humans, particularly the effects of diabetes on the function of the stomach.

The lectureship recognises the international reputation of the Motility Research Group at the Royal Adelaide Hospital and the contribution of its members to teaching in the Asia-Pacific region.

The position is funded by Janssen-Cilag Australia (with support from Janssen-Cilag in China and South-East Asia) and contributions from the Department of Medicine and the Faculty of Health Sciences.



(L to R): Professor Ross Milbourne, Deputy VC (Research), Dr Mike Wyer, Director of Medical Affairs for Janssen-Cilag Australia, Dr Jones, Professor Derek Frewin, Executive Dean of the Faculty of Health Sciences, and Professor Michael Horowitz, Professor of Medicine.

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## INVITATION

Twilight Seminar  
at  
The Art Gallery

## "The Investment Process"

Guest Speaker:  
Geoff Martin  
Chief Investment Officer  
Mercantile Mutual

Wednesday, 28 July, 5.30 - 8 pm

For reservations or information  
telephone Petra

**8205 5702**

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## IPO program to boost students' job seeking skills

FINDING casual or part-time work can be a daunting task for international students.

In a new country, it takes time to learn where the best job opportunities are, what skill levels are expected and where the pitfalls lie.

For University of Adelaide international students, help is at hand.

A new series of skills workshops organised by the University's International Programs Office (IPO) aims to make it easier for them to find casual and part time work.

The series will start with an introductory job-seeking session in the Council Room (North Terrace) on 27 July at 5.30pm.

This will provide students with valuable tips on how—and where—to look for work.

It will be repeated at Waite Campus on 9 September and at the North Terrace campus on 7 October.

The other workshops in the series are designed to help international students find jobs in specific employment sectors.

They will focus on the hospitality industry (5 August and 2 December, North Terrace); tourism, tuition and business (2 September and 9 December, North Terrace, and 18 November, Waite); and industrial, domestic and health services (31 August and 14 October, North Terrace).

The Head of International Student Support Services, Vivien Hope, said:

"The workshops will help students to develop the skills and strategies they need to find employment.

"This in turn will give them experience of another facet of life in Australia."

Other workshops planned for international students include Wine Appreciation (28 July, North Terrace), Socio-Cultural Competencies (9 August, North Terrace) and Relaxation and Stress Management (27 October, North Terrace, and 11 November, Waite).

For full details contact the International Programs Office, tel 8303 4828.

—John Drislane

# Latest international intake shows effects of diversified marketing

MORE THAN 160 new international students have begun their studies at the University of Adelaide.

The record second-semester intake brings to about 1,600 the total number of international students (undergraduate and postgraduate) now attending the University.

Included in the new arrivals are 33 students beginning full undergraduate degree courses (compared with only nine last year) and about 80 Study Abroad and exchange students, primarily from the United States and Europe.

New postgraduate enrolments are up slightly on the same time last year.

The Director of the International Programs Office, Dennis Murray, said the increased intake was encouraging.

"It is due partly to increased—and more effective—international marketing," he said.

"It is also partly due to the University's introduction of more second semester course starts. More courses are now available for student entry in the second as well as the first semester.

"This helps in the recruitment of international students who are often on northern hemisphere academic timetables.

"The intake is encouraging also because it demonstrates a diversification and deepening of the source countries from which we are recruiting students.

"We have students from 67 countries, and this spread helps to ensure we do not become over-dependent on a small number of source markets."

—John Drislane

## 'Important benefits' in Adelaide study for Thai postgraduate

NEWLY-ARRIVED international student Theppratarn Ruchirapha had a good idea what to expect when he started his postgraduate studies at the University of Adelaide last week.

Mr Ruchirapha, who is studying for a Masters degree in Engineering Science, visited the University last October to view facilities and speak to departmental staff.

A member of the Royal Thai Navy's communications section, he undertook the visit while on a three-month English language course at the Defence International Training Centre in Melbourne.

Mr Ruchirapha's postgraduate studies are being sponsored jointly by the Royal Thai Navy and the Commonwealth Government's International Development Program.

"Studying overseas has important benefits," Mr Ruchirapha said.

"Scientific knowledge in Australia is more advanced than in Thailand and facilities here are also better."

A decisive factor in Mr Ruchirapha's choice of Adelaide was its closeness to the Defence Science and Technology Organisation (DSTO) in Salisbury.

For his Masters degree, he is researching how atmospheric conditions around the equator affect high-frequency communications in the region.

The DSTO is a partner in the research.

—John Drislane



Theppratarn Ruchirapha—studying overseas has important benefits.  
Photo: John Drislane

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## COMMENTARY CONT...

### MEDICAL EDUCATION IN THE MILLENNIUM: TOWARDS A SEAMLESS MEDICAL EDUCATION

From Page 2

The advantages of such a facility are manifold. Use of videotape and observation windows create opportunities to enhance active learning and provide feedback on progress. Performance-based assessment of all skills can be undertaken via an objective structured clinical examination, which consists of a series of "stations" using many of the resources mentioned above.

Our Clinical Skills Laboratory at The Queen Elizabeth Hospital was established as a joint venture between the University of Adelaide and the North West Adelaide Health Service. Combined funding and staffing from both hospital and university sectors has provided a unique resource which is closely involved in medical education from undergraduate through to junior doctor and specialist postgraduate training. Our activities also extend to other groups, including general

practitioners and overseas trained doctors, and educational consultation and staff development.

While there are no instant solutions to the challenges facing the educators of tomorrow's doctors, building effective teaching and learning environments will require a vision for the future. Greater dialogue between stakeholders, pooling of resources and collaborative ventures between universities, healthcare providers, postgraduate bodies and colleges will be the way forward to nurture imaginative solutions and innovation. This means taking risks and laying aside territorial boundaries. But nothing less will do if future doctors are to be prepared to care for all of us into the 21st century.

—Dr Elizabeth O'Driscoll  
Head, Clinical Education  
Development Unit, NWAHS

Clinical Studies Advisor, University of Adelaide

## Alumni Activity

### WHAT'S APPLIED AND MOLECULAR ECOLOGY?

FIND OUT by joining the Alumni Association for a visit to the Department of Applied & Molecular Ecology at Waite Campus on Wednesday, 4 August, 7:00pm - 9:00pm.

Professor Otto Schmidt and his colleagues will present a lively overview of the work done by the Department in the science and management of organisms in natural and agricultural ecosystems. Visitors will see the Department's facilities and hear presentations by staff about the management of pests ranging from koalas to weeds to parasitic wasps.

The new Department, which incorporates the former Department of Crop Protection, teaches an integrated approach to the management of pathogens, insects, vertebrates and weeds, and the management of ecosystems. The Department also coordinates a wide variety of research programs that deal with the biology and ecology of organisms and selected roles of humans in the functions of ecosystems.

To help with planning, phone the Alumni Office: 8303 5800.

Enter the main building at Waite Campus through the Waite Road entrance and meet in the Lobby. All graduates and friends of the University are welcome. You do not have to be a member of the Alumni Association to take part.

# Award recognises Australian Navy and community work

UNIVERSITY OF ADELAIDE student Joanne Pappin has become the first winner of the Telstra South Australian Young Woman of the Year Award for women under 30.

Ms Pappin, holder of a Guy Lloyd Scholarship, is on leave from her duties as a Lieutenant with the Royal Australian Navy (RAN) while she studies full-time for a Masters in Business Administration (MBA).

The Telstra Award recognises her achievements both in the RAN and as a community worker.

Ms Pappin joined the RAN in 1989 and received the Australian Service Medal and the Australian Active Service Medal for duties in the Middle East during the Gulf War.

As an executive officer of the Navy's submarine trials ship, she became the first woman to take command of a grey-sided ship and put to sea during the Captain's absence.

She has helped to raise more than \$120,000 for charities and community ventures and has also participated in disaster relief programs in the Philippines.

While based in Victoria in 1994, she won the Victorian Young Achiever Award.

After completing her MBA, Ms Pappin plans to move to Canada later this year with her RAN husband Lawrence, who is taking up a posting in Halifax.



Joanne Pappin—RAN and community work recognised.  
Photo courtesy of Joanne Pappin.

—John Drislane

## Queen's Trust winner builds on the skills she gained at University

HONOURS Law student Kym Taylor has won a \$25,000 award for her part in a scheme to tap into the talents of homeless people.

Ms Taylor was announced last week as the winner of the Queen's Trust Sir Edward Dunlop Award and she will, effectively, donate the winnings to a drop-in centre for the homeless at St Mary Magdalene's Church hall in the city.

The centre is run by a collective, joined by Ms Taylor last year after her active involvement in the University of Adelaide Council and student issues ended.

Union welfare officer Chris Gent told her about the drop-in centre, which provides meals for about 100 people every Saturday night.

Ms Taylor, the 1996 Students' Association President, says food can only satisfy the stomach. A program of creative writing, visual art and music will help ease the alienation and loneliness which is often just as devastating as a lack of a home.

"Homeless people are neglected in so many ways," she says.

"They are a group that the community is concerned about, but people don't know how they can get involved. The collective helps people make that link."

Ms Taylor, who is working as a judge's associate in the Supreme Court, says the collective is careful not to cast the homeless as "victims".

"You can't stereotype these people," she says.

"People from all sorts of backgrounds become homeless for all sorts of reasons.



Kym Taylor: University experience stands her in good stead. Photo: David Washington.

When people think of the homeless they think of a middle-aged man. While a lot of men do come to the drop-in centre, we also get women and young people, including children, which can be quite disturbing."

She says her experience in the Students' Association showed her how various community organisations are taking up causes which have been neglected by government.

Her experiences with the Council and the Association also gave her skills which have been useful in the collective.

"It's given me a better understanding of

how to run things, how to approach campaigns and work in a strategic way," she says.

"Certainly, the whole University experience makes you much more aware of the broader world than when you're at school. University is as much about the experience of realising it's a big world out there as it is about lecture and tutorials."

The arts project is due to begin next year.

People who would like to support the project can call the drop-in centre on 8223 5293

—David Washington

## Friends of the State Library of SA

The Friends of the State Library's popular Wednesdays at One series continues on Wednesday 4 August at 1.00pm. The speaker is Sister Dierdre Jordan, AC, MBE, Chancellor of Flinders University.

Sister Jordan has been a leader in education for many years in Australia, Pakistan and Papua New Guinea. She was awarded the MBE for services to education and the community, and the AC for services to education, the community and aborigines. She graduated BA and MEd from Adelaide University and MA (Sociology) and PhD from London University.

Admission is \$5 (\$3 concession and members). Institute Building, cnr Kintore Avenue (entrance) and North Terrace.

## Public Lecture

The John Bray Law Chapter will present a public lecture by the Honourable Justice Gummow of the High Court of Australia on Friday 13 August 1999 at 5.00pm. The lecture will be on the topic "Australian Equity" and will address issues raised by recent decisions of the High Court. Venue: Elder Hall. \$2 per person payable at the door. Enquiries: 8231 6033.

# Savage satire with a slapstick edge

BEN JONSON'S classic comedy of greed, *Volpone*, was once considered too dark to be performed in the original.

In the 18th and 19th centuries, theatre producers preferred to stage a rewritten version with a happy ending.

Not so the University of Adelaide Theatre Guild, which will present the play in its original form at the Bakehouse Theatre next month.

Director Gina Tsikouras said that although *Volpone* was Johnson's comic masterpiece it was primarily a savage satire.

"My intention is to get the audience to laugh, but for the laugh to stick in their throats," she said.

"I'm trying to find a balance between the dark tones of the play—what it's saying about greed and lust and self-gratification—and what is, at times, the slapstick comedy."

The action in *Volpone* occurs in Venice on a single day. Volpone, a rich nobleman, and his sidekick, Mosca, try to acquire the wealth of three legacy-

hunting gentlemen by pretending *Volpone* is at death's door and will make them his heirs.

Gina Tsikouras, who is noted for her radical re-interpretations of classic texts, jumped at the chance to stage a new production.

"I've been wanting to do *Volpone* since I was a second-year drama student at Adelaide Uni. As students, we workshopped a few scenes from it and presented them as street theatre.

"You rarely see the play performed these days, and I'm glad the Guild has given me this opportunity," she said.

The production is in modern costume with stylised set designs.

—John Drislane

*Volpone* opens at the Bakehouse Theatre in Angas Street on 7 August, and runs from 10-14 August and 17-21 August at 7.30pm. Tickets \$15/\$10 (\$7 secondary students for bookings of 10). Bookings/enquiries at the Theatre Guild Office, tel 8303 5999; BASS on 131246 or pay at the door.



Guy O'Donnell and Nicole Windsor—exploring the dark tones and the slapstick comedy of *Volpone*. Photograph by A. Bashford.

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## New series of lunch hour concerts

THE CONCERTMASTER of the Queensland Philharmonic Orchestra, Mr Warwick Adeney, will launch the new series of Elder Hall Lunch Hour Concerts at 1.10pm, Friday 30 July.

Mr Adeney will appear as a soloist with the Elder Conservatorium Chamber Orchestra in a concert featuring "The Four Seasons" by Vivaldi, arguably one of the most popular classical works ever written.

The performance will launch the new series of lunch time concerts to be held in Elder Hall every Friday until 19 November.

Warwick Adeney began learning the violin at a very early age. He studied at the Queensland Conservatorium where he won numerous awards culminating in the Gold Medal for Excellence which he received when he graduated with distinction in 1984.

He joined the Queensland Philharmonic in 1985 and in 1989 he was appointed concertmaster. He has since appeared with the Orchestra in performances of Bach and Mozart concerti, Vivaldi's "The Four Seasons" and in 1992 with conductor Sir Neville Martinson in Vaughan Williams's "The Lark Ascending", all to warm critical acclaim. Earlier this year he travelled to England and Europe on a Churchill Fellowship.

Mr Adeney is one of a number of distinguished visiting artists who will be performing in the Elder Hall Lunch Hour Concert series.

In September Mr Bart van Oort, a lecturer in Fortepiano at the Royal Conservatory in The Hague, will give a recital, and in October Ms Susan Drake, a highly distinguished harpist from the United Kingdom, will perform works by Debussy, Mathias and Parry.

Warwick Adeney will return in October to perform the Dumky Trio with two of Adelaide's most distinguished musicians, Lucinda Collins (piano) and Janis Laurs (cello).

Other highlights include a performance of "The Happy Prince", a chamber opera by Malcolm Williamson, performed by students from the Elder Conservatorium Vocal School.

The series will conclude with the finals of the Classical Music Awards, which will see four finalists compete for a total of \$1500 in prize money.

The Elder Hall Lunch Hour Concerts will be held every Friday at 1.10pm, with admission only \$2. Tickets may be purchased from the door from 12.30pm.

Detailed brochures are available from the Elder Conservatorium or can be obtained by phoning the Concert Office on (08) 8303 5925.

The concerts are proudly supported by the Doris West Bequest and ABC Classic FM.

—Alison Beare  
Elder Conservatorium

### ACCOMMODATION

**ADELAIDE:** 2 br executive apartment, huge living, study, 2 bathrooms, garage & high security. Avail now. Ph Amal 8271 3344 or 0411 181 146.

**AVAILABLE:** Fully serviced & self-cont 1 br unit, kitchen, incl hostel care & entertainment. Located in a retirement complex. \$75,000 ono. Ph Joan or Robert 8431 5695.

**GLANVILLE:** Non smoking mature age female to share house. \$80 pw. Ph 8449 3479 or email: <ckelly@camtech.net.au>.

**GRANGE:** 2 dble br + 1 single, dble carport, lge garden, 100m from beach, close to local shops, West Lakes Mall, transport. \$190 pw. Ph 8204 5269 or email:

lesley.roberts@health.sa.gov.

**HAWTHORN:** Large 1 br unit with built-in wardrobe, living rm, kitchen with gas stove, on bus route to Uni, close to Waite. \$85 pw. Ph Lynne Savage 8431 6088.

**NORTH ADELAIDE:** Character cottage, recently renovated, 2 br, furn, lounge & dining, new kitchen & bathrm, garden. Avail August. \$230 pw. Ph 0419 804 440.

**PARKSIDE:** Fully furn villa, 3 br, lge study, suit visiting academics. Carport, spacious garden. Avail 20 Aug - 20 Oct. Ph Yvonne 8272 0210 or email: <douglas.vickers@adelaide.edu.au>.

**ST PETERS:** Fully furn, 4 br family home, master with bir's, formal lounge & dine, family rm, pine kitchen, rear

## ADELAIDEAN CLASSIFIED

lane access & lock-up garage. Avail 4 Sept 99. Ph Amal 8271 3344 or 0411 181 146.

**SWITZERLAND:** Furn flat 4 km from Interlaken, on lake with view of Alps, 2 br, large lounge, can sleep up to 6. Avail for 1 week or more. Ph Lilian 8263 4243.

**WANTED:** Furn 2/3 br accomm around Xmas for short term. Either city or Nth Adelaide. Email: <jchu@cairn-energy.plc.uk>.

**WANTED:** Fully furn, 3 - 4 br house from late July 99 for 1 year for visiting academic and family of 5. Ph Assoc Prof Alastair MacLennan 8204 7000.

### FOR SALE

**DAIHATSU CHARADE:** Hatchback, 1995, metallic blue, in excellent cond, low kms, one owner. VRP 988. \$6,800 ono. Ph 8338 0334..

**HOUSEHOLD ITEMS:** Children's wardrobe, maple coloured, \$120. Malaysian hardwood modern dining table, \$360. Colonial style rocking chair, \$80. Bar stools (2), \$45 ea. Office chair, \$30. Ph 8338 0334 or 8303 4148.

**MISC:** Lounge suite, black, 3 seater + 2 chairs, \$100. Wardrobes, 3 piece, walnut colour, \$80. Thorn TV, 62cm, colour, roller stand,

\$100. Desk, 150x75x73, \$15. Table, solid metal stands, 150x90x76, \$15. Ph 8303 6755 or 8276 8385 (h).

**MISC:** Sony TV, \$65. Bar Fridge, \$30. Large desk, \$15. Armchairs (2), lime green, \$15. Ph Emma 8269 1830.

**RENAULT:** Fuego, 1986, dark grey, power windows & steering, 5 speed manual, very good cond, UUB 946. \$3,200. Ph Damien Vandenberg 8336 5658.

### DEPARTMENTAL

**COMPUTERS:** 1 x Pentium 166, 32MB RAM, 17" Logix monitor. 1 x Macintosh Power Mac, 7200/120 with CD and sound, 16 MB RAM, 1.2GB HD, 15" monitor. Ph Leonie Clarke 8303 5450.

### WANTED

**VIOLIN:** 2nd hand, in good condition for beginner. Ph Jenny or James 8234 9550.

### MISCELLANEOUS

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# Bulletin Board

JULY 26, 1999

THE UNIVERSITY OF ADELAIDE

PAGE 1

## Abbie Memorial Lecture

**Autonomic Disorders and Neuro-anatomy - and disengaging Cerberus**

to be given by **Professor Chris Mathias** (Imperial College School of Medicine, St Mary's, London / Director of the Autonomic Unit, Napier Hospital for Neurology and Neurosurgery, Queen Square).

Professor Mathias is a leading authority on clinical disorders of the autonomic nervous system and research into autonomic dysfunction including spinal cord injuries, primary autonomic failure and secondary autonomic failure of various aetiologies.

**6.00pm, Tuesday 10 August 1999 in the Florey Lecture Theatre, Medical School.**

## University crests

University of Adelaide crests are now available from the web at: <http://www.adelaide.edu.au/crests/>. The crests are available to staff in colour and black and white for both PC and Mac users. Contact the Media, Marketing & Publications Unit, 8303 5174, if you require advice about proper use of the logotype.

## PHYSICS & MATHEMATICAL PHYSICS

### Spotlight on Physics lunchtime talks

Each year staff from the Department of Physics & Mathematical Physics give talks for students on their ongoing research work.

The talks are illustrated and designed to attract second and third year students to physics and they are open to visitors. They are intended to convey something of the excitement of discovery, possible projects and new ideas in physics, from quarks to dating ancient aboriginal burial sites.

The talks also enable third year students to satisfy part of the requirement for the unit Introduction to Physics Research.

**Friday 30 July at 1.15 pm:** Spotlight on Physics research talk for students and others: Astrophysics by Drs Patterson, Clay and Protheroe. Kerr Grant Lecture Theatre, 1st Floor, Physics Building.

**Friday 6 August at 1.15 pm:** Spotlight on Physics research talk: Archaeometry, the determination of age by Emeritus Professor J R Prescott and Dr D McCoy. Kerr Grant Lecture Theatre, 1st Floor, Physics Building.

**Tuesday 10 August at 7.30pm:** Australian Institute of Physics Student Night and presentation of Silver Bragg medals. Kerr Grant Lecture Theatre, 1st Floor, Physics Building.

## What's on at Urrbrae House Historic Precinct - August 99

### GUIDED TOURS

#### Sunday 1 August

**11.00am** - Guided walk of Waite Arboretum. \$2 per person, duration 90 minutes.

**2.00pm** - Guided tour of Urrbrae House Historic Precinct, \$4 per person, duration 2 hours.

#### Saturday 28 & Sunday 29 August

**2.00pm** - Guided walk of Waite Arboretum, \$2 per person, duration 90 minutes.

**MEET IN FRONT OF URRBRAE HOUSE FOR ALL TOURS**

### EXHIBITION

#### Saturday 28 August - Saturday 4 September

**Waite Arboretum Wood Art:** An exhibition and sales by Woodgroup SA of items made from Waite Arboretum timbers. Open daily: 10.00am - 4.00pm.

## Dental treatment for staff & students

Emergency and routine treatment is available at the University's Colgate Australian Clinical Dental Research Centre. Concessions are available for holders of University Cards. Set fee first appointments. For appointments ring - 8303 3436. Address: 2nd Floor, Adelaide Dental Hospital, Frome Road, Adelaide.

## MONDAY 26 JULY

**1.00pm Microbiology & Immunology Seminar:** Phenotypic Variability in X-linked Disease: X Chromosome Inactivation, Genetic Heterogeneity or Genetic Background? by Dr T Cox (Genetics). Library, 5th Flr, Med School Sth.

**1.00pm Clinical & Experimental Pharmacology Seminar:** The dioxin receptor and hypoxia inducible factor - gene regulatory proteins activated by environmental stress by Dr Murray Whitelaw (Biochemistry). Seminar Room, 6th Floor, Medical School North.

**1.10pm History Seminar:** Community Without Proximity: Teaching History Intercontinentally by Prof W Wesley Pue (University of British Columbia). Sem Rm 420, 4th Flr, Napier.

## TUESDAY 27 JULY

**12noon Child Health Research Institute Seminar:** The Role of Homeobox Genes in the Wool Follicle by Guy Sander (PhD student). Seminar Room, 7th Floor, Rieger Building, WCH.

**1.00pm HCCR/IMVS Seminar:** The Integrins, the cytoskeleton and signal transduction by Dr M DeNichilo (Fibrogen Inc, San Francisco). Verco Theatre.

**1.10pm Law Seminar:** Collective Responsibility by Prof P Pettit (ANU). Seminar Room 216, Ligertwood Building.

## WEDNESDAY 28 JULY

**10.10am Electrical & Electronic Engineering Seminar:** Channel Estimation and Detection for CDMA base station receivers by Prof Lang White (Professor of Communication Networks). Lecture Room S112, Engineering South.

**1.10pm Genetics Seminar:** The Drosophila dead ringer gene is involved in early embryonic patterning, by Tetyana

## COMING EVENTS

July 26th — August 6th

Shandala. Seminar Room, Fisher Bldg.

**1.10pm Geology & Geophysics Seminar:** Oldlands - Their Analysis, Characteristics and Implications by Dr Rowley Twidale (Honorary Visiting Research Fellow). Mawson Lect Theatre.

**5.30pm College of Health Psychologists:** The psychology of food by David Cox and Janet Bryan. Room 527, Level 5, Hughes Building.

## THURSDAY 29 JULY

**12.00noon HCCR/IMVS Seminar:** MTHC - they ain't what they used to be: or How myb transformed myeloid progenitor cells became a model for dendritic cell differentiation by Dr Andrew Hapel (ANU). Verco Theatre, IMVS.

**12.05pm Psychology Seminar:** What is "Luminis"? And what can it do for you by Mr Andrew Cecil (Luminis). Room 527, Level 5, Hughes Building.

## FRIDAY 30 JULY

**1.00pm Chemical Pathology Seminar:** Environmental policy making under conservative governments: the emergence of wise use by Dr Tim Doyle (Environmental Studies and President, Conservation Council of SA). Seminar Room 1, 4th Floor, Rieger Building, WCH.

**12.00 noon Horticulture, Viticulture & Oenology Seminar:** Regulatory networks in feeding sites by plant-parasitic nematodes by Dr D Bird (North Carolina State University). Charles Hawker Conference Centre, Waite.

**12.45pm Dentistry Seminar:** BScDent Report by Dr D Kent. Lecture

Theatre 1, 6th Flr, Adel Dental Hospital.

**1.10pm Elder Conservatorium Lunch Concert:** Warwick Adeney - violin, Elder Conservatorium Chamber Orchestra, Four Seasons by Vivaldi. Tickets \$2 - at door. Elder Hall.

**4.00pm Obstetrics & Gynaecology Seminar:** Miscarriage mosaicism and more by A/Prof E Haan (Genetics). Seminar Room, 6th Flr, Med School Nth.

**4.00pm Economics seminar:** TBA by Frank Neri (PhD candidate, University of NSW). Room LG14, Napier.

## MONDAY 2 AUGUST

**1.00pm Microbiology & Immunology Seminar:** Epithelial Stem Cells by Dr Pritinder Kaur (Division of Haematology, IMVS). Departmental Library, 5th Floor, Medical School South.

**1.00pm Clinical & Experimental Pharmacology Seminar:** Neurochemistry of substituted amphetamines by Mr Paul Callaghan (PhD student). Seminar Rm, 6th Floor, Med School Nth.

## WEDNESDAY 4 AUGUST

**10.10am Electrical & Electronic Engineering Seminar:** The Synthetic Environment Research facility in Land Operations Division of DSTO by Dr Anne-Marie Grisogono (LOD, DSTO). Lecture Room S112, Engineering South.

**1.00pm Genetics Seminar:** PhD proposal by Scott Spargo & Natasha Boase. Seminar Rm, Ground Floor, Fisher Bldg.

**1.10pm Geology & Geophysics Seminar:** News Media versus Nuclear Power by Mr Bob Major (Former Uran-

ium Projects Officer, SA Dept of Mines & Energy). Mawson Lecture Theatre.

**1.10pm Horticulture, Viticulture & Oenology Seminar:** The future of the GWRDC by Mr D Hall. Plant Research Centre Auditorium, Waite.

## THURSDAY 5 AUGUST

**12.00noon HCCR/IMVS Seminar:** SCL expression in the mouse detected with a targeted lacZ reporter gene demonstrates localisation to haematopoietic, vascular and neural tissue by Dr A Elephanty (Walter & Eliza Hall Institute, Melbourne). Verco Theatre, IMVS.

**12.05pm Psychology Seminar:** Indigenous education within Adelaide University by Mr Roger Thomas (Director, Wilto Yerlo). Rm 527, Hughes Building.

**1.00pm Chemical Pathology Seminar:** E-resources and the Library by Erica Williamson (Systems Librarian) & Jennifer Hanisch (Reference Librarian, Eric Sims Library). Seminar Room 1, 4th Floor, Rieger Building, WCH.

**4.30pm UNESCO Report - Education for the 21st Century:** A world view of life-long learning by Denis Ralph and Jill Maling. Flinders University. Details email: <cbc@cbconsult.com.au>.

## FRIDAY 6 AUGUST

**12.45pm Dentistry Seminar:** Spit by Dr John Kaidonis. Lecture Theatre 1, 6th Floor, Adelaide Dental Hospital.

**1.10pm Elder Conservatorium:** Florian Ammer - violin, Stefan Ammer - piano. Works by Brahms & Schubert. Tickets \$2 - at the door. Elder Hall.

**4.00pm Economics Seminar:** Managed Care and the Cross-Subsidy of Non-Remunerative High Tech Care or Public Sector, Nonprofit and For-profit Competition in an Urban Setting by Dr Shelton Brown (Uni of Queensland). Room LG14, Napier.

## SITUATIONS VACANT

For further information about the following vacancies please refer to Human Resources' Web page at <<http://www.adelaide.edu.au/HR/advpos.htm>> or the contact person named in the advertisement.

Please note that applications, in duplicate, addressing the selection criteria and quoting the relevant reference number should include names and full addresses of three referees. The address for applications is C/- the Department or Officer named in the advertisement. Selection criteria and applicable duty statements may be obtained from the contact officer named in the advertisement.

Applications for the following vacancies will be considered only from members of the staff of the University\*\*

### ADMINISTRATIVE ASSISTANT (Ref: 3817)

Department of Chemistry Office  
Salary HEO4: \$30,736 - \$33,808

This continuing position is available from 30 August 1999. Further information including the duty statement and selection criteria may be obtained from Ms Lynette Copus, Departmental Manager, telephone 8303 4270. Applications close 2 August 1999.

### ADMINISTRATIVE ASSISTANT (Ref: 3064)

Faculty of Humanities and Social Sciences  
Salary HEO3: \$26,725 - \$30,467

This continuing position is available immediately. Further information is available from Robert Ewers, telephone: 8303 4918. The selection criteria and duty statement may be obtained from Anne Martin, telephone: 8303 5801. Applications close 3 August 1999.

\*\*includes only those persons who hold current written contracts of appointment with the University.

Applications for the following vacancies are not restricted to members of the University.

### MANAGER, PROGRAMS DEVELOPMENT\* (Ref: 3887)

Centre for Professional and Continuing Education  
Salary HEO8: \$48,105 - \$54,119

\*This position is being re-advertised as a continuing position. Previous applicants need not re-apply.

This continuing position is available immediately. Further information is available from Liz Pryzibilla, telephone: 8303 4777. The selection criteria and duty statement may be obtained from Jo Khan, telephone: 8303 4777 or email: <[conted@oce.adelaide.edu.au](mailto:conted@oce.adelaide.edu.au)>. Applications close 2 August 1999.

## EMPLOYMENT INFORMATION

**NOTICE TO APPLICANTS:** Applicants for all positions should retain the relevant reference number and watch the "Notice to Applicants" column in the *Adelaidean* for advice about the filling of the position.

The University notifies applicants that the following vacancies for Higher Education Officers (HEO) with the reference numbers as stated have been filled and thanks them for their interest: 4075 Research Associate, Computer Science; 4092 HEO5, Medicine; 4109 HEO 5/6, Environmental Biology; 4204 HEO 5/6, General Practice; 3710 HEO 5/6, Obstetrics & Gynaecology; 2279 HEO 6, Wilto Yerlo; 9878 HEO 5, Office of the Vice-Chancellor; 4988 HEO 5/6, Barr Smith Library.

### HUMAN RESOURCES DEADLINES FOR ADELAIDEAN

For the *Adelaidean* of 23 August 1999, advertising paper work must be to Human Resources by 6 August 1999.

For the *Adelaidean* of 6 September 1999, advertising paper work must be to Human Resources by 20 August 1999.

## GENERAL NOTICES

### Review of Biological Sciences: Call for Submission

The University is currently undertaking a major review of the activities of Biological Sciences, extending across the Faculties of Agricultural & Natural Resource Sciences, Health Sciences and Science.

Staff, students and members of the community are invited to make a submission to the Review on matters relevant to the Terms of Reference.

The primary term of reference for the Review is:

*recognising that the biological sciences are among the major research strengths of the University of Adelaide, the [review] panel is asked to advise on the steps needed to ensure the continued development of teaching and research in the biological sciences over the next twenty years.*

The complete terms of reference can be obtained by contacting Tim Scroop, Reviews Officer, ext.35902. It is requested that submissions be no more than five pages in length and that they be received by Friday 3 September 1999.

Submissions should be sent to Tim Scroop at the Office of the Deputy Vice-Chancellor (Education), Room G04, Mitchell Building.

Professor Penny Boumelha  
Deputy Vice-Chancellor  
(Education)

### ACUE Workshops

The ACUE is hosting a series of workshops on postgraduate supervision in September designed for staff new to supervision.

The workshops, reflecting the three crucial periods of research student candidature, 'Getting Started,' the 'Long Haul,' and 'Finalising,' will be presented by a range of staff, including experienced supervisors drawn from several faculties, and students, through the PGSA. Participants will be expected to enrol for the three sessions.

Interested staff are asked to talk with their Head of Department or Postgraduate Coordinator who has further information.

### Careers Evening

Careers and Industry Evening, Thursday 5 August, 7.00pm for 7.30 start, Union Building, venue to be advised.

The newly formed student chapter of the AusIMM at Adelaide University, (The Mawson Chapter) is hosting a Careers Evening for students interested in a career in geology or geophysics. Come and talk one-on-one to the various academic and Mining and Exploration industry representatives. Drinks and light food will be available. Members free /\$2 non-members. Enquiries to Huw Smith 8270 2786.

### OPEN DAY PARKING ARRANGEMENTS

Open Day is on Sunday 1 August from 10.00am - 4.00pm. Parking arrangements are as follows: Carparking will be available in the Underground Car Park near Bonython Hall from 7.30am. University staff who are card holders will be able to access Wilson's Car Park and Frome Street Car Park on this day.

### Equal Opportunity Office and Health Service change locations

From the first week in July the Equal Opportunity Office (previously located on the Hughes Plaza) and the Wurringa Health Service (previously located on the ground floor of the Horace Lamb building) have switched premises.

This move aims to locate in a more prominent place a heavy demand student/staff service such as the Health Service. The full range of services from both units will continue to operate without disruption.

New signs will be placed at the service points, at the perimeter gate and on campus directory boards.

Phone numbers and all other contact details remain unchanged.

### University presentation folders

The Media, Marketing & Publications Unit has new University of Adelaide presentation folders available for a cost of \$2.00 each.

The folder features the lion on the Bonython Hall. They are ideal for information kits/packages for special visitors, job applicants, conferences etc.

Purchase orders to Media, Marketing & Publications, enquiries to 8303 5174 or email: <[puesan.ng@adelaide.edu.au](mailto:puesan.ng@adelaide.edu.au)>.

### ECONOMICS SOCIETY OF AUSTRALIA (SA) INC

### Annual General Meeting

9 September 1999, Staff Club, The University of Adelaide, 5.00pm to be followed by

### The Chinese cultural revolution in the long run

by Professor Bob Gregory (Australian National University)

The cultural revolution can be thought of as an extraordinary experiment comparable to the effect of war years on children in many developing countries. Schools and universities were closed for three or more years. Many students were sent to work in the countryside or in factories for up to eight years.

When universities reopened, entry was by competitive exam. Open to all, many students sat this exam having missed all high school - they studied at home if they could find text books - or if they had completed high school just before the cultural revolution they had waited eight years and therefore suffered some loss of human capital.

We use the university entry data to relate interrupted and missed schooling to subsequent labour market success.

Bob Gregory is the outgoing President of the Economic Society. He has been a Board Member of the Reserve Bank of Australia, and a member of the Australian Science and Technology Council. He works on the economics of the macro economy and labour markets. He has held positions at the London School of Economics, University of Chicago, Northwestern and Harvard University.

Refreshments will be served at the end of Professor Gregory's address. The President and Officers of the Society will take Professor Gregory to dinner and invite all to join them.

Members: no cost. Non members: \$15

RSVP: Secretary, Economics Society of Australia (SA) Inc, tel 8303 4460, fax 8223 1460, email: <[jan.holmes@adelaide.edu.au](mailto:jan.holmes@adelaide.edu.au)>.

The Institute of Public Administration Australia (SA)

John Ralston Saul speaking on

### Citizenship vs the Reigning Linear Trap

4.30pm - 7.00pm, Sunday 29 August 1999, Adelaide Convention Centre, North Terrace, Adelaide.

Tickets \$25/\$15 conc from IPAA SA Division, tel 8212 7555, fax 8212 0155.

**South Australian Centre for Rural and Remote Health**

UNIVERSITY OF SOUTH AUSTRALIA & THE UNIVERSITY OF ADELAIDE / Supported by the Commonwealth Department of Health & Aged Care

**RESEARCH FELLOW (Two Positions)****(Academic Level B)**

South Australian Centre for Rural and Remote Health (Whyalla)  
\$47,946 to \$56,936 per annum  
Fixed term contract to 28 June 2002

Two full time positions for a Research Fellow are being offered for a fixed term period to 28 June 2002 at the South Australian Centre for Rural and Remote Health (SACRRH) Whyalla.

The positions will provide support for and report to the Head of Centre SACRRH based at the Whyalla Campus.

One position will focus predominantly on quantitative research and would be suited to applicants with a background in areas such as epidemiology; the other will focus on qualitative research and would be suited to applicants with a strong background in areas such as the social sciences.

SACRRH is one of seven university departments of rural health located around Australia encompassing four directorates. These are Public Health, Education & Training, Clinical Services and Information Technology, and Aboriginal Health. SACRRH is supported by the Commonwealth Department of Health & Aged Care.

Further information, including duty statement and selection criteria can be obtained from:

Professor David Wilkinson  
Head of Centre, SACRRH Whyalla  
tel (08) 8647 6089  
fax (08) 8647 6164  
Email: <david.wilkinson@unisa.edu.au>

**Applications close 5.00 pm Friday 30 July 1999**

*The University of Adelaide and University of South Australia are Equal Opportunity Employers. The Universities have a policy of no-smoking in the work environment and will require the appointees to observe this. The South Australian Centre for Rural and Remote Health reserves the right to appoint or not appoint at the stated level.*

**Project Endeavour**

Each of the teams involved in Project Endeavour (HRMS, Financial Systems, Student Administration and Research) have formed Reference Groups to help them confirm existing business processes and where appropriate develop and define new business processes.

The Reference Groups are made up of a cross sectional group of staff from within the University. Their key additional involvement in the project includes:

- Participation in the development and specification of user requirements
- Assistance in the User Acceptance testing
- Provision of specific departmental input
- Communication to colleagues about the progress of the project

The Reference Groups are committing their time and constructive ideas to this project and their contribution is invaluable in achieving successful project outcomes. If you would like to know more about the Reference Groups operation please email <project.endeavour@adelaide.edu.au>

The project endeavour Web site address is: <<http://www.isb.adelaide.edu.au/mis2001/index.html>>.

**Medical student events**

A three-day series of events focusing on clinical medical education will mark the opening of the redeveloped Clinical Education Centre at The Queen Elizabeth Hospital.

Called "Towards A Seamless Education", the three days of diverse, hands-on educational events will be held at TQEH, Lyell McEwin Health Service and other venues from 9-11 August.

With seminars, workshops and interactive displays, the events aim to provide a professional and educational forum for medical students, junior doctors, trainees, specialists, general practitioners and nurses in all fields of clinical practice.

Presented by the Clinical Education Development Unit of the North West Adelaide Health Service, a highlight will be the opening of the Clinical Education Centre on Wednesday, 11 August.

For more information contact Rose Rigney on 8222 7480 or Alison Marcus on 8222 6000 (pager # 7964).

See also the commentary in this issue of the *Adelaidean*, page 2.

**Research Branch Update****Open Forum with Chair of ARC: Advance Notice**

It is expected that the Chair of the Australian Research Council, Professor Vicki Sara, will present an Open Forum on the future of the ARC and its various programs at the University of Adelaide on Wednesday 18 August. The forum is tentatively scheduled to commence from 2.00pm - 4.00pm (further details will be circulated when they are available). All staff are invited to attend.

**ARC LARGE RESEARCH GRANT APPLICATIONS: REPORTS OF ASSESSORS**

We have been informed by DETYA that we can expect to receive the reports of assessors for distribution to applicants on Tuesday 27 July. Research Branch will distribute the reports to applicants as soon as possible and rejoinders will be due back at the Research Branch by Wednesday 4 August. Departmental secretaries and other staff responsible for mail distribution are requested to ensure that the packages are passed on to all applicants as soon as they are received.

**GRDC - Preliminary Research Proposals**

The GRDC invites researchers to submit Preliminary Research Proposals which are consistent with the Corporation's priority areas as detailed in its 2000-2001 Research Prospectus.

Research priorities for 2000-2001 fall under various programs in the following investment objectives:

- Meeting Quality Requirements
- Increased Productivity
- Protecting and Enhancing the Environment
- Delivering Outcomes

For further details regarding the programs, locate the 2000-2001 Research Prospectus on the GRDC website at <http://www.grdc.com.au> or through the Funding Opportunities page in the Research Branch website.

Time line: Preliminary research proposals should be submitted to the Research Branch by 13 August 1999. Feedback from the GRDC on PRPs will be provided to applicants by November, and researchers who are invited to submit Full Proposals will be required to do so by 14 January 2000.

Applications: Complete the Word 6 PRP form by accessing the Research Prospectus Web page on the GRDC website. When you have completed the PRP form send eleven (11) paper copies (A4 size, double sided, stapled) to the Research Branch by 13 August 1999. **DO NOT EMAIL OR SEND FLOPPY DISKS.**

Funds required for travel which is integral to the research project should be incorporated into project applications and accompanied by suitable justification.

Further information can be located on the GRDC website or contact the Research Branch (extension 35137).

**Research Branch web site: <<http://www.adelaide.edu.au/RB>>**

**LUMINIS  
SNAPSHOTS**

**Luminis Pty Ltd is the Commercial Company for the University of Adelaide**

**OUR LATEST "SPIN-OFF" COMPANY**

Mapping & Beyond Pty Ltd began two and a half years ago as an initiative of Ian Overton, a post graduate student enrolled in the Graduate Business Support Scheme. Not wanting to steal anyone's thunder, all we will report here is that Mapping & Beyond is no longer a subsidiary of Luminis, but has become an incorporated company in its own right.

Congratulations go to Ian and Julia Overton, and their staff of six for reaching this milestone.

This development was precipitated by the attraction of a considerable amount of financial support from The Playford Centre. It will fund the further development and marketing of their Geographic Information System software. This support package will be reported upon in more detail in a forthcoming edition of the *Adelaidean*.

**SUCCESS IN SEARCHING FOR OPPORTUNITIES**

One of Luminis' roles is to search for consulting opportunities in the global marketplace. Earlier this year we identified a project for the training of Indonesian Magistrates in matters related to Environmental Law and Enforcement. We were then instrumental in putting together a winning team for the substantial contract funded by AusAid.

Associate Professor Rob Fowler from the Faculty of Law, in conjunction with ourselves, SAGRIC and the Australian Centre for Environmental Law will deliver a series of intensive eleven week courses here at the University of Adelaide. The Magistrates will also participate in court proceedings in both Adelaide and Sydney.

Mr Andrew Cecil, Business Development Manager at Luminis regards this achievement as an excellent example of how we can seek out opportunities for our consultants.

**ATICCA**

No, this has nothing to do with a famous riot, but more to do with the Australian Tertiary Institutions Commercialisation Companies Association. Luminis belongs to this 60 member professional body, and recently Business Development Manager, Mr Paul Szuster attended their annual conference. Paul is currently working on the development of a set of Key Performance Indicators for Luminis as part of a marketing and "best practice" development. In identifying member companies against which Luminis can "Benchmark" its performance, he commented that,

"It was pleasing to discover how well regarded we are amongst our peers".

**CAPABILITY SEMINAR FOR AN ELECTRICAL ENGINEERING COMPANY**

Recently Luminis convened a Capability Seminar to introduce electrical engineering company, Rotating Machinery Engineering (RME) of Salisbury to the skills and resources available in the Department of Electrical and Electronic Engineering. RME specialise in the maintenance and refurbishment of high voltage electric motors and generators used in mines and manufacturing plants. Their Managing Director, Mr Richard Grabkowski outlined his Company's desire to develop a range of diagnostic technologies to improve their maintenance services. In return, Professor Tony Parker, Dr Wen Soong and Dr Nesimi Ertugrul gave a detailed profile of their Department's capabilities to the management team from RME.

The outcome from this forum was an acknowledgment that the University of Adelaide is well equipped to help RME develop technologies that will give them a commercial advantage in their marketplace, and that RME will look at the possibility of including our academics in their application to the Federal Department for Industry Science & Technology for a START grant.

*If you or your Department want to arrange a "Capability Seminar" with industry, or discuss any other commercialisation matters, please feel free to contact either Paul Szuster or Andrew Cecil on (08) 8303 5020.*

# RESEARCH AND SCHOLARSHIPS

## AND OTHER FUNDING SCHEMES

### Research Grants & Fellowships

The following is a list of grant, fellowship and other research funding schemes currently available for application. A more detailed electronic version of this listing (Update: Research), together with guidelines and application forms for some of the major schemes, are available at: <<http://www.adelaide.edu.au/RB/>>. For hard copy application forms and guidelines contact the Research Branch, ext 35137; or email <[louise.moore@adelaide.edu.au](mailto:louise.moore@adelaide.edu.au)>.

**Sponsored Programs Information Network (SPIN):** SPIN Australia - A database containing current and comprehensive information on over 2,600 government and private funding opportunities. The SPIN web site is accessible via the Research Branch web site.

**Australian Academy of Science / Australian Research Council / Japan Society for the Promotion of Science** · **JSPS Postdoctoral Fellowships in Japan 2000-2001**  
Internal closing date: 26 July 1999.

**Australian Academy of Science / Science and Technology Agency** · **STA Postdoctoral Fellowships in Japan 2000-2001**  
· **Japanese Government Research Awards for Foreign Specialists 2000-2001**  
· **Short-Term Fellowships in Japan 2000-2001**

Internal closing date: 26 July 1999. Web site: <<http://www.science.org.au/internat/exchange/japfel.htm>>.

**Ian Potter Foundation and Ian Potter Cultural Trust - Grants:** Internal closing dates: 26 July & 25 October 1999.

**Educational Commission for Foreign Medical Graduates - ECFMG International Fellowships in Medical Education:** Internal closing date: 30 July 1999

**Asthma SA - 1999 Research Grants:** Internal closing date: 3 August 1999

**Juvenile Diabetes Foundation Australia - 1999 Travel Grants for Young Researchers:** Internal closing dates: 5 August and 4 November 1999 and 3 February 2000.

**Australian Academy of Science - Boden Research Conferences (Expressions of Intent):** Internal closing date: 6 August 1999

**Department for Environment Heritage and Aboriginal Affairs (SA Gov) - Wildlife Conservation Fund Grants:** Internal closing date: 6 August 1999

**National Health and Medical Research Council - Travelling Award for Research Training:** (This award is aimed at current holders of Australian based Fellowships). Internal closing date: 6 August 1999. Web site: <<http://www.health.gov.au/nhmrc>> (Proceed then to "Research Program" and then "Training Awards")

**Australian Academy of the Humanities / Royal Netherlands Academy of Arts and Sciences / Academy of the Social Sciences in Australia: Overseas Program - Netherlands:** Internal closing date: 6 August 1999.

**Australian Rotary Health Research Fund**

· **Mental Illness Research Grants**  
· **Mental Illness Research - Arhrf Ian Scott Fellowship**  
· **First Aid, Pre-Hospital Treatment and Emergency Care Research**  
Internal closing date: 6 August 1999. Web site: <http://www.rotarnet.com.au>

**Sudden Infant Death Research Foundation Inc. - Research Grants:** Internal closing date: 9 August 1999.

**Grains Research and Development Corporation (GRDC) - 2000- 2001 Research Investments: Call for Preliminary Research Investments:** Internal closing date: 13 August 1999. Web site: <<http://www.grdc.com.au>>.

**Human Frontier Science Program - Research Grants and Long Term Fellowships:** Internal closing date: 18 August 1999. Web site: <<http://www.hfsp.org>>.

**Australian Academy of Science - Graeme Caughley Travelling Fellowship in Ecology:** Internal closing date: 20 August 1999. Web site: <<http://www.science.org.au/awards/awards.htm>>.

**Foundation for High Blood Pressure Research - 2000 Postdoctoral Research Fellowships:** Internal closing date: 20 August 1999

**Garnett Passe and Rodney Williams Memorial Foundation Award for 2000: Research Training Fellowships in Otorhinolaryngology:** Internal closing date: 20 August 1999.

**Horticultural Research & Development Corporation - 1999 Graham Gregory Awards:** Internal closing date: 20 August 1999

**Motor Neurone Disease Research Institute of Australia Inc.: Grants-in-Aid for Research into Motor Neurone Disease:** Internal closing date: 20 August 1999. Web site: <[www.vicnet.net.au/~mndri/](http://www.vicnet.net.au/~mndri/)>.

**Australian Academy of Science - Selby Fellowship for 2000:** Internal closing date: 23 August 1999. Web site: <[www.science.org.au/awards/awards.htm](http://www.science.org.au/awards/awards.htm)>.

**Dunlop Asia Awards Trust, The University of Melbourne, Asialink Centre: Sir Edward Weary Dunlop Asia Fellowships:** Internal closing date: 23 August 1999.

**Parke Davis/Pfizer Medical Research Fellowships:** Internal closing date: 23 August 1999.

**Multiple Sclerosis Australia - Seeding Grants for 2000:** Internal closing date: 24 August 1999.

**South Australian Network for Research on Ageing - SANRA Research Awards 1999:** Internal closing date: 24 August 1999.

**Australian Academy of Science Scientific Exchanges with China 2000-2001:** Web site: <<http://www.science.org.au/internat/exchange/chisci.htm>>.

**Scientific Exchanges with Japan 2000-2001:** Web site: <<http://www.science.org.au/internat/exchange/jaexch.htm>>.

**Scientific Exchanges with Korea 2000-2001:** Web site: <<http://www.science.org.au/internat/exchange/korex.htm>>.

**Scientific Exchanges with Taiwan 2000-2001:** Web site: <<http://www.science.org.au/internat/exchange/taiwex.htm>>.

Internal closing date: 25 August 1999.

**Australian Academy of Science / Australian Academy of Technological Sciences and Engineering / Korea Science and Engineering Foundation (KOSEF): Postdoctoral Fellowships in Science and Engineering - Republic of Korea 2000-2001:** Internal closing date: 25 August 1999. Web site: <<http://www.science.org.au/internat/exchange/apec.htm>>.

**Juvenile Diabetes Foundation - Research Grants, Fellowships & Career Development Awards:** Internal closing dates: 29 July 1999 and 1 February 2000 (Copy of first two pages of application). 18 August 1999 and 16 February 2000 (Completed full applications)

**Canadian High Commission**  
· **Canada-Asia-Pacific Award in Canadian Studies (CAPA)**  
· **Faculty Enrichment Program (FEP)**

### Scholarships

Unless otherwise stated, information and application forms for the following scholarships are available from the Registrar, Scholarships, or the Scholarships Officer, Graduate Studies and Scholarships Branch, Level 7, Wills Building, ext 35697/33044. Undergraduate Scholarship enquiries to Anne Witt, ext 35271. Please lodge all applications with the Scholarships Office unless otherwise stated.

**AFUW-ACT Bursary:** Free board and lodging for up to four weeks at Ursula College, ANU to a woman graduate or final year honours student who wishes to carry out some short project, in any field, that necessitates a short stay in Canberra. Closing: 31 July (ACT)

**Asthma South Australia Alex Ramsey Student Scholarship:** Open to undergraduates who have completed at least two years of their course who are enrolled in medical or para-medical faculties undertaking studies in relevant biological or social sciences. Value: \$1,000. Closing: 10 August (SA)

**Australian Kidney Foundation Summer Vacation Scholarships:** Vacation scholarships are open to undergraduates currently enrolled in the Faculty of Medicine or other faculties offering courses in the biological sciences. Applicants should have completed, or expect to complete, at least one full year of their course by the scholarships commencement. Closing: 8 September - Vacation Scholarships

**Australian Minerals & Energy Environment Foundation Travelling Scholarship:** Available to study new overseas developments in environmental management/research/practice relevant to Australian minerals and energy industry, and to apply that knowledge to Australia. Applications: AMEEF, 9th Floor, 12 Exhibition St, Melbourne 3000, tel: (03) 9679 9964, fax: (03) 9679 9916, email: <[melissa@ameef.com.au](mailto:melissa@ameef.com.au)>. Closing: 1 September (Vic)

**Coral Sea Scholarship 2000:** Open to Australian citizens with relevant business experience wishing to visit the USA to investigate a problem or development relevant to Australian business or industry; and contribute to Australian-American relations. Value: \$A3,000p/m for up to three months plus travel allowance. Further information available only from website: <<http://sunsite.anu.edu.au/education/fulbright>>. Closing: 30 September (Canberra)

**Fulbright Awards 2000 to study in the USA:** Postgraduate awards available to undertake an American higher degree or engage in research towards an Australian higher degree in any field of study. Postdoctoral Awards to undertake study/research for 3 to 12 months. Senior Scholars Awards for senior scholars and professionals of academically based professions to visit the USA for 3 to 6 months. Professional Awards for practitioners in any field who have a record of achievement and are poised for advancement to a senior management or policy role wishing to undertake a professional development program in the USA for 3 to 4 months. Further information & applications available only from Fulbright website: <<http://sunsite.anu.edu.au/education/fulbright>>.

**George Murray Scholarship:** Available to University of Adelaide graduates to undertake further postgraduate study or postdoctoral research in approved universities or other institutions outside of Australia. Postdoctoral candidates must hold a PhD awarded by Adelaide University or expect to submit a thesis for PhD by 31 October 1999. Closing: 31 October (Scholarships)

**Japanese Government Research Awards for Foreign Specialists, Science Awards 2000-2001:** Open to Australian citizens or permanent residents

wishing to undertake research for up to six months in Japanese government national laboratories. Applicants must have been engaged in scientific or technological research for more than three years after obtaining a university degree in the field related to their proposed Japanese study. Forms available via internet: <<http://www/science.org.au/internat/exchange.japfel.htm>>. Closing: 2 August (Canberra)

**Jean Denton Memorial Scholarship:** Value: \$16,000 to advance knowledge in early childhood education or a related field. Scholarship open to advanced or postgraduate studies within or outside Australia. Applications from Ms Gillian Harvie, 8371 3310. Enquiries to Ms Gillian Potter, 8302 4433. Closing: 24 September

**NH & MRC Postgraduate Scholarships:** Applications are now invited for Medical/Dental Postgraduate Scholarships, Dora Lush (Biomedical) Postgraduate Scholarships, Public Health Postgraduate Research Scholarships, Training Scholarships for Aboriginal Health (includes undergraduate). Kits available on request. Closing: 6 August (Scholarships)

**Public Health Association SA Branch - Student Conference Sponsorships:** Open to postgraduates in a health related field to attend interstate conferences (from 1 August 1999 - 30 January 2000) with a Health Promotion theme. Award covers travel and registration costs. Closing: 30 July

**Merrill Lynch Forum:** Grants will be awarded to PhD students who best explain the commercial application of their dissertation topic. Applications via the Forum's web site: <[www.ml.com/innovation/](http://www.ml.com/innovation/)>. Closing: 15 September (USA).

**Reg Waite Award for Young Australian Achievers:** Open to Australian citizens 25 years or under who would benefit from a grant to help advance a chosen field of work or studies which will benefit the community and country. Value: \$7,500. Further details from Bronwyn Knight, Printing Industries Association of Australia, PO Box 58, St Leonards NSW 2065, ph: (02) 9372 1222, fax: (02) 9372 1288, email: <[bronwyn@printnet.com.au](mailto:bronwyn@printnet.com.au)>. Closing: 31 July (NSW)

**Research Abroad Scholarships:** Open to full-time higher degree research students who have completed their structured program; part-time students not in employment; Lecturers Level A. Students who have previously held a Research Abroad Scholarship are ineligible. Applicants must be able to show that travel overseas is essential for the pursuit of his/her postgraduate work. Closing: 31 July (Scholarships)

**Sir Edward 'Weary' Dunlop Asian Fellowships:** Open to Australian citizens to undertake individually devised projects in an Asian country, in such fields as social service, local community development, peace-keeping, public health/welfare, technology, environment/resource management, arts/culture, sport. Closing: 30 August (Victoria)

**Sir Robert Menzies Scholarship in Law:** Tenable for two years in the UK commencing October 2000. Value: return air fare, substantial emoluments which are not subject to UK income tax. Academic excellence is of primary importance. Applicants should be those aiming to attain prominence in Australia as demonstrated by their record of leadership, extra-curricular activities and interest in the service of others. Closing: 23 August (Scholarships)

**Smith Family Tertiary Scholarship Scheme:** Open to current Year 12 students or those in 1st or 2nd year of university who are members of financially disadvantaged families, who have demonstrated consistently high results and are motivated to succeed. Interested applicants should contact Caron Rooks, Education Support Officer, Smith Family (02) 9550 7165. Closing: 9 August (NSW)