

## National grants support learning innovation

THE UNIVERSITY OF ADELAIDE has won two national teaching grants worth a total of \$240,000 to support major teaching initiatives in Dentistry and Architecture.

The University is a partner in four other projects funded by the Committee for University Teaching and Staff Development (CUTSD) under its 1999 National Teaching Development Grants (Organisational). The University is also a contributor to two projects awarded Staff Development Grants by CUTSD.

The Dental School has been awarded \$93,788 to develop a network of staff from dental schools in Australia and New Zealand. The network will be responsible for developing and using cases for problem-based learning.

The School of Architecture, Landscape Architecture and Urban Design has won \$146,332 to develop its existing online teaching resources to create a new learning environment for students in the early stages of architectural study.

The Dentistry curriculum increasingly utilises problem-based learning, which involves presenting students with

specially designed problems. The approach requires students to take a high level of responsibility for acquiring the necessary knowledge to solve the problem. In the process, they acquire team skills, problem-solving proficiency and other skills needed in real-life situations.

The CUTSD grant will allow the dental school network to develop, trial and evaluate 12 problem-based learning cases.

The Dean of Dentistry, Dr Viv Burgess, said that this unique collaboration would allow each of the participating schools to develop and access teaching material on a scale that would be almost impossible to achieve in isolation.

"The cross fertilisation of curricula will also add further value to the outcomes for students," Dr Burgess said.

The Architecture grants will develop online teaching resources to help commencing students cope with new modes of thought required to be highly successful in the profession.

Good, mature designers engage in a continuous cycle of self-criticism and creation that produces both learning

and improved work—a process widely known in the field as "reflection-in-action".

Associate Professor in Architecture, Dr Rob Woodbury, said beginning students tended to cut this process short.

Other challenges faced by students included developing a profound knowledge of building construction and how it could be used to augment an architectural idea.

Dr Woodbury said developed practitioners of design-making could relate the distinct domains of architectural ideas and a constructed reality.

"Beginning students and other laypersons have particular difficulty with such discourse between a world of ideas and a world of physical form," he said.

The third quality which is highly sought after in architecture is deep knowledge of computing in design, and the capacity to continue to learn in this area.

"Graduates who can use and extend their skill and knowledge in

innovative ways are given opportunities for especially exciting and fulfilling work," Dr Woodbury said. "Worldwide, undergraduate schools of architecture produce few such people."

The CUTSD-funded project will address each of these three concerns by immersing beginning students in an environment that models and encourages reflection-in-action, design making and innovative computing.

Two online computer supported learning approaches will be extended and combined. The Construction Primer addresses all aspects of building construction information and gives students access to, and assistance with, computer-based design making.

The Form Making Games provide a series of "games" that encourage directed exploration, reflection and "play" in designing and a way to record how a large group of students engages with the games.

Deakin University is a partner in the project.

—David Washington

## Foundation stone unveiled—Peter Doherty pushes case for increased science funding



Professor Doherty unveils the foundation stone of the Molecular Life Sciences Building. Photo: David Ellis.

NOBEL LAUREATE Professor Peter Doherty has called for an injection of Federal Government funds into basic science and the infrastructure that supports it.

Professor Doherty, unveiling the foundation stone of the University of Adelaide's Molecular Life Sciences Building, said science had suffered a "long, slow and painful slide, which has still not been completely arrested".

However, he said he sensed some change in Australia.

"The recommendations of the committee led by the Sydney businessman, Peter Wills, had led to a doubling of the federal National Health and Medical Research Council budget over the next five years," Professor Doherty said.

"We now desperately need a similar initiative for the type of basic science supported currently by the Australian Research Council."

He said he believed there was "some enthusiasm" in the Government for such an initiative "as long as the political process can be satisfied that the funds will be well used".

Professor Doherty is a Professorial Fellow in the University of Melbourne's Department of Microbiology and Immunology and the first

appointment under Melbourne's Eminent Scholars Program. He is also chairman of the Department of Immunology at St Jude Children's Research Hospital in Memphis.

He praised the University of Adelaide for its investment in molecular sciences.

"Adelaide has traditionally been a substantial player in the molecular sciences," he said.

"Biochemistry and molecular genetics have been very strong here for as long as I can remember. The Waite Institute is an Australian icon in the plant sciences.

"Adelaide University has a major reputation in the broad area of microbiology and immunology."

Professor Doherty, the 1997 Australian of the Year, won the 1996 Nobel Prize for Medicine with his colleague Rolf Zinkernagel. The prize recognised their milestone research carried out at the John Curtin School of Medical Research in Canberra 20 years ago.

The research established how the body's immune system recognises virus-infected cells—a breakthrough which is now fundamental in immunology.

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# COMMENTARY

## WORLD CONFERENCE ON SCIENCE: AN IDIOSYNCRATIC VIEW

by  
**Dr Sue Richardson**  
School of Economics

Over 2,500 people from almost every nation on Earth gathered in Budapest in July this year to discuss the role of science in the new century. Science was interpreted to include the social but not the medical sciences, which explains why I, an economist representing the Academy of Social Sciences, was among that number.

The gathering was convened jointly by UNESCO and ICSU (the International Science Union). The topics of discussion over the five days of the conference were not specific scientific ideas but the role of science in the world and its relations with the societies which support it—what these relations are and what they should be.

This large assembly in the end managed to agree on an extended declaration on these matters. This was accomplished by a combination of exhaustion and ruthlessly efficient chairing of the drafting committee. It was nonetheless possible, with much effort and some luck, to alter by a phrase here and there in this final declaration. The handful of women among the delegates made sure that their small voice was heard in this way.

A number of issues came up repeatedly in a variety of forms. One was the serious issue of the increasing Privatisation of knowledge. Around the world, governments are

looking to students and companies to take over more of the costs of generating and transmitting knowledge.

The Conference, especially those from the developing world, was alarmed at these trends, as they saw privately funded knowledge generation as a serious threat to public access to such knowledge, since companies which fund research like to keep the resulting knowledge to themselves. It may be apocryphal, but one story told of biotechnologists attending conferences armed with both their paper and a patent lawyer, whose job was to tell them what they could and could not reveal to their peers. The alarm of the poor countries at the Privatisation of knowledge was symbolically represented by the terminator gene, which is included in new crop species sold by companies such as Monsanto, to deliberately render them sterile so that farmers must buy new seed from the supplier each year. There was a deep anxiety among such countries that they are being left standing in the dust by the biotechnology and information technology advances, which are being developed by and for the enrichment of the first world. One response was to call for more indigenous science, though here the insights of economists as to what

causes poor countries to grow was sorely needed. The unscientific proposition was accepted without demur that for poor countries to become rich, they must have science like rich countries do (indeed, even curiosity driven science).

The other misconception, from my perspective, was the repeated assertion that the world is becoming more unequal. Almost every way that this could be defined, the opposite has been true over the second half of this century.

A second theme was the absence of women's voice from the agenda of science, both as user of the products of science and as scientists. This was generally regretted, at least in principle. The closing ceremony captured the state of affairs perfectly: on the dais of the conference hall were arrayed 12 white grey-haired men and, at the end of the row, one black man and one woman.

A third theme was how society did not appreciate science enough. Some thought the solution was greater scientific education among the population, but some telling evidence was provided that the more scientifically literate was the citizenry, the more sceptical they were about unrestrained science. Do they understand better the Faustian bargain being struck? It is clear that

in the course of this century, science has moved from being the harmless pursuit of knowledge by a few enthusiastic souls to being a creation with almost unimaginable powers for good and for ill. The human capacity to alter the state of nature has put into the hands of humans a power to destroy and to create which is godlike. Our cultural understanding has not kept pace. It is not surprising that even in a gathering of scientists, I was not entirely alone in claiming that we probably need less science, not more, in the next century. And scientists need to be committed to the public good, rather than just to their own excitement of discovery. The ability to clone—plants, animals and human beings—and to genetically alter anything which is alive, provides a moral challenge to society and to science which is breathtaking in its scale. Do we want a private market in human embryos (an embryo from a good looking, well-educated woman brings about \$US50,000 in America, I was told)? Do we want parents to be able to specify the genetic structure of their children. Then everybody could be good-looking, well built, intelligent—cheaper to fix the genes than to pay for private school education. And then we would need a class of drones to do the work that these smart young things would spurn. A Faustian bargain indeed, and the genie is out of the bottle. Hold on for an exciting ride next century.

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## FROM NEAR AND FAR

*After schooling at St Peter's College, Adelaide and graduating in Science in the University of Adelaide, Warren Bonython worked for 26 years in the chemical industry, mainly on research into—and the manufacture of—solar salt. He retired from full-time employment in 1966. He then gave most of his attention to voluntary organisations and his personal pursuits—long-distance trekking, Conservation, geographical and scientific matters, the promoting of scientific expeditions for young people, church administration and various other public causes. He served 10 years on the University of Adelaide's Council. He also wrote books.*

I took Science, principally studying Chemistry (Professor AK Macbeth), Geology (Professor Sir Douglas Mawson) and Physics (Professor Kerr Grant). My living accommodation was at St Mark's College (Master - Dr A Grenfell Price).

The "geography" of the University was very different in those days. An expanse of earlier public open space—the old Jubilee Oval—occupied the site of, and all east of, the present Union Hall. Chemistry was being taught in the relatively new Johnson Laboratories down on Victoria Drive, Physics in its present building and Geology in part of the old Prince of Wales Building which was between the Mitchell Building and what is now the Hughes Plaza. The Bonython Hall was in the course of being built.

Fellow students I remember—some of them are no longer with us—included

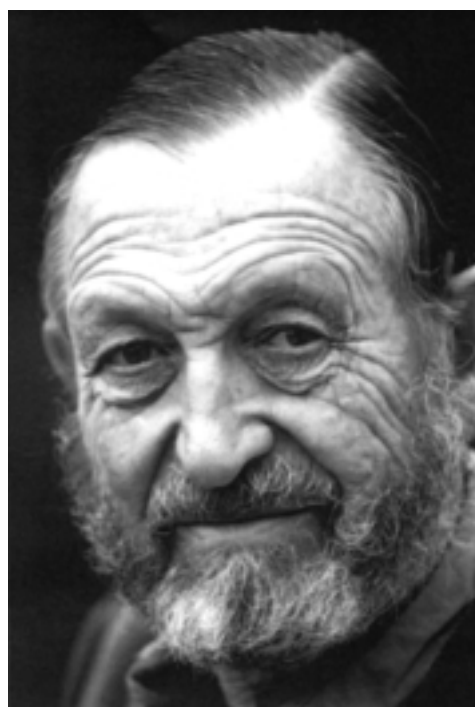
John Hutton, Bruce Mason, Bryan Rofe, Bob Crocker, Pat Mawson and Joan Cleland.

The staff of the Department of Chemistry under Macbeth included Dr FL Winzor and Dr W Ternent Cooke. Some research in Organic Chemistry currently being carried out was the elucidation of the structure of the colouring matter of flowers—substances called *Anthocyanins*. Attention at one stage centred on the colouring of *Bougainvillea* flowers. Students were despatched round Adelaide to collect improbable weights of the purple petals which were then oven-dried, pulverized, leached and put to analysis.

A junior lecturer in Chemistry in those days was Jerry Price, eventually to become Sir Robert Price, Chairman of CSIRO. Later—in 1939—when I was at University College, London, I recall an evening visit to Jerry when he was working at the John Innes Horticultural College in Outer London.

A student's quip of those days is worth quoting. The Professor of Chemistry being the irascible (but underneath, kindly) A Killen Macbeth, and the Professor of Physics, the truly lovable Kerr Grant, it went: first student, "What about killin' Macbeth?", second student, "Yes, but what about that cur Grant?". (So today's punning journalists are only following an earlier tradition—Shakespeare preceded us all!).

Sir Douglas Mawson was the Professor of Geology, and the



C Warren Bonython AO, KSI, BSc, FRACI, FRGS

principal lecturer was Dr Cecil Madigan. They conducted us (separately) on regular geological excursions to places like Sturt Gorge. Students would vie with each other for the honour of carrying Mawson's great seven pound geological hammer. There was a stock of Cecil Madigan's jokes which would come round in each year's lectures. One concerned the geomorphology of certain flat-topped mountains—extensive ones being called mesa and smaller ones butte. After sketching them on the blackboard, Madigan would

announce, "This one is a big mesa and this one is a little beaut.". We all knew this was coming, but nevertheless we erupted in spontaneous laughter.

My Bachelor of Science course took longer than three years to complete owing partly to a change in course subjects and partly to distractions like girls and my MG sports car. Concerning the latter, I—together with John Smeaton (an engineering student)—won the Sporting Car Club's "Midnight Trial" in late 1934, while early in 1935 I created an Australian National speed record on Sellicks Beach. On another occasion there was a race on the University sports oval when, from a standing start, I in my MG car was matched against a sprinter (Ian Nicholson, an Engineering student). Ian instantly sprang to the lead, but—with revving engine and spinning wheels—the positions were reversed some 50 yards down the grassy track.

While taking lectures in Mathematics in the Mitchell Building I recall hearing the ceaseless "clink" of the stone-masons' hammers as they shaped the blocks for the nearby Bonython Hall, which was to be completed and opened in 1936. Sir Langdon Bonython had made it known to his grandson that he would be greatly pleased if a Bonython were to receive his Degree at the inaugural Commemoration. I could have graduated in 1936 but, owing to that course change and my various "distractions" I disappointed him; I graduated in 1938.



# Elder Hall swings for ALL JAZZ

THE ADELAIDE CONNECTION and the University of Adelaide Big Band feature in ALL JAZZ, the third of the Elder Conservatorium Concert Series on Thursday 16 September.

The first half of the program features The Adelaide Connection directed by Connaitre Miller. Connaitre is a full-time lecturer in Jazz Voice at the Elder Conservatorium and is also well known as a solo jazz vocalist. She has performed throughout South Australia and interstate as well as taking to the stage in the United States with such luminaries as Bobby McFerrin, Dave Brubeck and Art Garfunkel.

The Adelaide Connection has toured extensively both nationally and internationally and in 1998 performed at the 25th Annual

International Association of Jazz Educators Conference in New York. Performing a wide variety of jazz, the Connection are also active in writing/arranging charts specifically to showcase the uniqueness of this Australian vocal jazz ensemble. The Connection have also recently released "Nature Boy", another CD to add to their collection.

For the ALL JAZZ concert, the Connection will perform work representing the rich tradition of 20th Century jazz—including Up a Lazy River, The Sunny Side of the Street (with vocalese based on a rendition by Dizzy Gillespie, Sonny Stitt and Sonny Rollins), Sugar (arranged by Connaitre Miller), Route 66 and Sassy Samba.

Part two of the ALL JAZZ program features the Big Band under Elder

Conservatorium Jazz Saxophone lecturer Hal Hall. The Big Band will showcase a range of work, including Wayne Shorter's Prince of Darkness, George Gershwin's I Love You Porgy, Duke Ellington's Cotton Tail and Joe Henderson's Isotope.

In a grand finale not to be missed, the Connection and the Big Band will take to the stage with a performance of Revelation and O Happy Day.

Host for the evening is Australia's leading jazz broadcaster, Jim McLeod from ABC Classic FM.

*Tickets are available at all BASS outlets (131 240): \$20 Adults, \$15 Concession, \$10 Students. Thursday 16 September, 8pm, Elder Hall.*

## Radio 5UV begins a new era

RADIO 5UV has a new management team, signalling a new era for the University of Adelaide's community radio station.

Earlier this year, the *Adelaidean* published a commentary by 5UV's long-serving Station Manager, Dr Jeff Langdon, who retired from the position in April.

The station's equally long-serving Program Manager, Ms Laine Langridge, has also now retired, paving the way for a new team to lead the station into the 21st century.

Ms Deborah Welch, who has been a community radio producer, trainer and manager for almost 15 years, has been appointed to the position of Station Manager.

Dr PJ (Phyllis Jane) Rose, who has 30 years of experience in the theatre and community organisations, is the new Program Manager. Both have solid experience as broadcasters and producers and have worked at 5UV for several years.

Ms Welch said she decided to apply for the Station Manager's position because "there's a point when you realise that you've got the ideas and the drive to try to steer things on a bigger level".

"In this job, apart from responsibilities like financial management and staff management, it really is more about having a 'vision'—about understanding what you can do with this particular resource for the broad range of people that it's there for.

"That includes involvement on the community level, it includes the listeners, it includes the University, all of those fronts. So it's partly having the vision to develop a sound to attract the listeners we want, to be on top of the technological developments that are always occurring in radio, and also knitting together that diversity of interests that are part of the fabric of the place," said Ms Welch.

"For a community radio station, 5UV has a fabulous infrastructure, not the least of which is its committed staff and 300 volunteers," Dr Rose added.

"So you've actually got a base from which you can hope to achieve something. Realistically, you can have big ideas and make them work."

5UV has developed strongly in the area of professional radio training and also in the area of continuing education. Ms Welch sees these as "part of 5UV's imaginative response to tough economic times; looking at what resources you've got and how they can be turned into income-producing assets".

"I think it's time for a paradigm shift to a



*New 5UV Station Manager Ms Deborah Welch with former Program Manager Ms Laine Langridge.*

contemporary idea of what you can do with a broadcasting licence, and it will be challenging to develop with the University the '21st century 5UV,' she said.

"It is an extremely valuable commodity which will grow in value as we move to the FM band and continue our development of internet broadcasting.

"With a new team, it will be exciting to build on the foundations laid by Laine and Jeff and all the staff and volunteers who've worked hard over the past 27 years to make 5UV what it is today."

—David Ellis

*A farewell is being held for Ms Laine Langridge, who has been a major part of 5UV's development and growth for more than nine of those years. For details of the farewell, contact Radio 5UV on (08) 8303 5000.*



## One, two and four

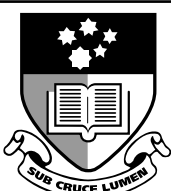
*The Australian* has been running a lift-out series for some weeks called "This Living Century" in which they list their preferred top ten anything—artists, soldiers, entertainers. I must say I haven't always agreed with the rankings. But I have enjoyed looking at them to see just which names I would have included and which not.

The last in the series was headed "The Australians" and appeared on 28, 29 August. Adelaide graduates and former staff members figure throughout; indeed the cover's main image is a rather dotty photo of Florey. However Adelaide really shines in the section called "The Scientists" in which Adelaide graduates Bragg, Florey and Oliphant take out 1st, 2nd and 4th positions respectively. I found it interesting that the ABC's Robyn Williams, who had compiled the list, ranked Bragg ahead of Florey although he did end the section on Bragg by saying, "But was he as great as number two", that is Florey. In the section on Bragg, Williams includes the fact that he was the youngest person ever to win a Nobel Prize (a great challenge to young Adelaide scientists today). He also points out that Bragg went on to head the Cavendish Laboratory at Cambridge, mentoring other Nobel Prize winners including Watson and Crick, and claims that he "helped invent the 20th century with its dramatic development of molecular biology and genetic manipulation".

I found it particularly interesting to read this a few days after the unveiling of the Foundation Stone for the new Molecular Life Sciences Building by recent Nobel Prize winner in Medicine, Professor Peter Doherty. During his visit Professor Doherty mentioned that the research Bragg sponsored across the boundaries of Physics and Molecular Biology had particularly impressed him, and went on to talk about the work of other more recent graduates such as 1996 Australia Prize winner, Peter Colman, working across similar borders. It is often said that some of the greatest developments in knowledge occur at the boundaries between its disciplines.

It made me wonder whether such exciting developments at the edges of the disciplines are happening at the University of Adelaide today. We are very well equipped for such activity, and yet I suspect that within the University the disciplines sit behind their walls rather than attempting to break them down. It makes me ask "What will encourage more effective interaction between disciplines?" Is it sponsoring conferences on big questions? Is it the development of multidisciplinary programs? Is it the deliberate inclusion of researchers from different fields in discussion and development of research projects? For example, should the Soil Scientists invite the Linguists to afternoon tea? This is a matter we need to consider if we are going to perform as well in a list of the top Australian scientists in one hundred years time. What action must we take to ensure we will score at least first and second positions again?

MARY O'KANE



## ADELAIDEAN

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## Towards a seamless medical education

THE CLINICAL EDUCATION DEVELOPMENT UNIT (CEDU) of the North Western Adelaide Health Service held three days of educational events in August with the theme of "Towards a Seamless Medical Education".

The events, with the support of more than 20 sponsors, marked the opening of the redeveloped Clinical Education Centre at The Queen Elizabeth Hospital.

Activities involved diverse hands-on educational events for both undergraduates and postgraduates and also included two very successful practical skills evenings for general practitioners of the Western and Northern Divisions of General Practice, the latter being conducted at Central Districts Private Hospital.

A highlight of the opening was the presentation of the inaugural CEDU Teaching & Learning Awards. The recipients and their respective awards were Rosalind Nagorcka (Outstanding Undergraduate Learner), Dr Anthony Zimmerman (Outstanding Postgraduate Learner) and Dr Ross Philpot (Outstanding Teacher). Each recipient received \$100 and a certificate of achievement.

—Dr Elizabeth O'Driscoll  
Clinical Education Development Unit

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## Motorcycle crashes in on engineering lecture

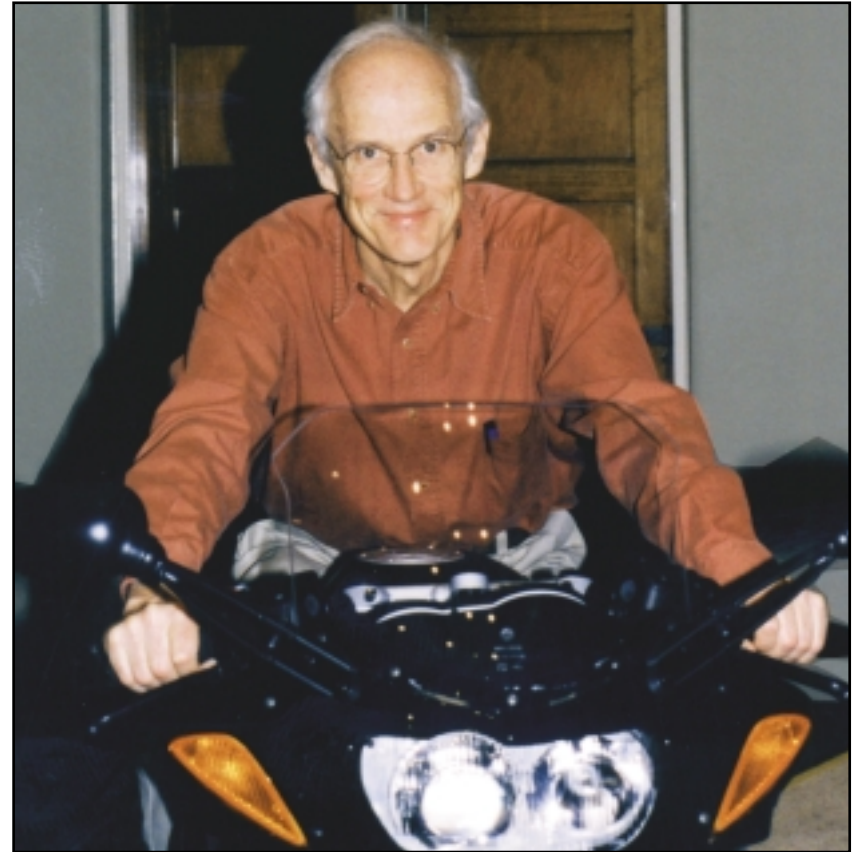
STUDENTS of Chemical Engineering were treated to an example of innovative and imaginative teaching when Dr David Williams used a motorcycle as a teaching prop in a recent Materials Engineering lecture.

The class was taken completely by surprise when, half-way through the lecture, a motorcycle and rider burst unannounced into the lecture theatre.

A \$25,000 BMW R1100S model from Pitmans Yamaha was used to demonstrate the latest space-age materials, including carbon-fibre, kevlar and exotic magnesium and aluminium alloys and their engineering applications. These materials and the design of the motorcycle achieve the performance, light weight, strength and good looks demanded of modern motorbikes.

Initially Dr Williams asked Laboratory Supervisor Andrew Wright to bring in his motorbike. Mr Wright, a passionate motorcycle devotee and always on the lookout for greater impact and superior equipment, in turn sought help from Pitmans Yamaha to borrow the BMW. The firm generously allowed him to collect the motorcycle and ride it to the University. (This assignment met with little reluctance from Andrew.)

This is another interesting example of the Department of Chemical Engineering's links with industry and the constant



Photograph: Dr David Williams with the BMW motorcycle. Photograph courtesy of Darika Sowana, PhD student.

need to combine engineering theory with industrial applications.

The Department is indebted to Pitmans Yamaha's sponsorship and cooperation in allowing Dr Williams and Mr Wright to borrow the motorcycle. (Andrew also is indebted to the company

for the excitement and pleasure he received during his ride to and from their showroom.) Certainly the students were left with a lasting impression of how modern materials impact on every facet of daily life.

—Andrew Wright and Jennifer Critchley

## Foundation stone unveiled

From Page 1

Before unveiling the foundation stone, Professor Doherty predicted that innovations in the longer term would result from interactions between the disciplines "that we currently segregate into humanities and sciences".

He said the "next big breakthrough" could come, for example, from syntheses that develop between linguistics, cognitive neurosciences and social anthropology.

The Vice-Chancellor, Professor Mary O'Kane,

praised University staff who had worked to develop the Molecular Life Sciences Building, which will house the Departments of Biochemistry, Genetics and Microbiology and Immunology.

She also praised the generosity and spirit of the rest of the University community in the development of the building project.

The Molecular Life Sciences Building is expected to open in August next year.

—David Washington

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# Exciting time for petroleum-related research

THREE months ago, Dr Richard Hillis was preparing to leave the University of Adelaide.

After seven years in the Department of Geology and Geophysics, he had decided to accept an offer of the Chair in Petroleum Geology at Curtin University in Perth.

But the move never happened.

Delays occurred in drawing up a contract and, in the meantime, an even more attractive opportunity had arisen: the chance to occupy the new State of South Australia Chair in Petroleum Reservoir Properties/Petrophysics at the University of Adelaide.

On 20 September, 34-year old Dr Hillis will become the University's youngest professor when he moves to the Thebarton campus to take up the new position.

"Everything has changed very quickly for me," he said.

"At the beginning of June I was on my way to Perth.

"I'd told my students that we were leaving, and my wife—who's from Adelaide—had even booked our flights back from Perth to Adelaide for Christmas.

"When the new Chair became available in Adelaide I applied for it quickly and was interviewed and notified that I'd been successful, all within a week.

"I'm pleased and excited that I'm staying here now to take on the new challenge."

The three-year Chair is funded by the South Australian Department of Primary Industries and Resources and will be based at the National Centre for Petroleum, Geology and Geophysics (NCPGG) at Thebarton.

The NCPGG is a joint venture of the University of Adelaide and the University of South Australia and a key participant in the Australian Petroleum Cooperative Research Centre.

Dr Hillis will be taking five PhD



Richard Hillis—exciting times for petroleum research. Photo: John Drislane.

students and two post-doctoral fellows to Thebarton.

"The NCPGG is a graduate school through which the University can become even more involved in applied research projects in petroleum areas," he said.

"The Chair is funded by the State Government, so our research priority will be South Australian projects.

"My hope is that the research group will provide the scientific underpinning for the development and expansion of the State's petroleum resources."

In South Australia, research will focus on three main petroleum regions: the Cooper Basin, the Otway Basin and the Bight Basin.

Since the 1960s, more than a thousand wells have been drilled in the Cooper Basin, source of the State's current gas supplies.

Researchers have now begun re-analysing geological data to identify

areas of the Basin where oil and gas may have been missed (known in the industry as "by-passed pay").

In the Bight Basin—a "blue-sky" petroleum region—the emphasis will be on helping to find new prospects.

The Otway Basin, meanwhile, has just yielded its first significant oil discovery, to add to its proven gas reserves, underlining its promise as a target for further investigation.

Dr Hillis's particular research interest lies in the area of contemporary stresses in sedimentary basins.

He has a well-established reputation in the field of petroleum-related research, with approximately 50 papers published in refereed journals.

Born and raised in Glasgow, he completed his undergraduate studies at the University of London (Imperial College).

He obtained his PhD at the University of Edinburgh and moved to Australia in 1989 to undertake post-doctoral

research at Flinders University.

In 1991 he returned to the UK to undertake a project on the Southern North Sea in collaboration with Shell.

The following year, he moved back to Australia to accept a lectureship with the University of Adelaide.

Since 1990, Dr Hillis has attracted nearly \$1.5 million in research funding from a range of sources, including Australian Research Council (ARC) Large and ARC SPIRT grants (the latter with both BHP Petroleum and Santos).

He has undertaken consultancy work for international oil giants such as Shell, Conoco, ARCO and Chevron, as well as for Australian companies.

The consultancies have involved projects in Brunei, New Zealand, the UK, and the Timor Sea (North West Shelf), among other regions.

In his new role, Dr Hillis is keen to foster closer cooperation between industry, academia and government.

"This is an exciting time for petroleum-related research in South Australia," he said.

"New exploration licenses have been granted for the Cooper Basin and new companies with fresh ideas are moving in.

"The State Government has funded the new Chair in the hope of a pay-back in the form of increased petroleum royalties.

"This is an opportunity for the University to work more closely with the Department of Primary Industries and Resources.

"I also want to expand and strengthen the links which we've established already with companies such as Santos.

"The links we create with industry at consultancy level can blossom into major research projects.

"This has resulted in some very fruitful research projects in the past and I'm keen to encourage and develop it in the future."

—John Drislane

## If the frogs are singing, everything is okay

FROG WATCHERS, the time has come to replace the batteries in your tape recorders and sharpen your surveillance skills.

South Australia's Frog Census gets underway from 12-18 September, as part of the Environment Protection Agency's Frog Week.

The Frog Census gives members of the community the chance to record frog calls or songs in a bid to keep track of the numbers and location of frog species throughout the State.

This in turn gives the EPA and University of Adelaide scientists vital information about the health of South Australia's waterways.

One man who knows the value of the Frog Census is Associate Professor Mike Tyler from the University's Department of Environmental Biology.

Thanks to his decades of research into frogs, a range of schemes have been established throughout Australia to monitor the health and numbers of frogs.

Dr Tyler firmly believes that frog calls can tell us much about the health of our environment.

"The frog chorus is the sweetest sound

this side of extinction. And people are now beginning to accept that if the frogs are singing, then the environment's okay," Dr Tyler said.

The growing awareness of this environmental issue is reflected in the number of people taking part in the annual Frog Census. Since the program began in 1994, almost 1300 South Australians have taken up the task of recording frog calls in their backyards, on farming land, or in nearby properties and waterways.

Last year alone, 670 people took part in the Frog Census, from the suburbs of Adelaide to the Far North and South East of the State. They recorded the calls of 19 species of frog out of a total of 28 known species.

"The program does have scientific merit, but to me the most important component is alerting people to the issues," Dr Tyler said.

"The principal purpose of the Frog Census, and overall programs like Frogwatch, is to involve the community in a coordinated activity which focuses attention upon the quality of the aquatic environment, by using the volume and nature of frog



calls as an assessment.

"It's very, very popular, and it's good to see that more and more people are taking part each year."

Two University of Adelaide students are strongly involved in the Frog Census program: Steve Walker, who is studying for his Masters degree in Science and is

employed part time by the EPA, and Peter Goonan, who did his Honours in Science on a frog research project and now coordinates the EPA Frog Census.

To take part in this year's Frog Census, participants must register with the EPA by phoning (freecall) 1800 623 445.

—David Ellis

## Seminar to expand career horizons

A CAREERS seminar will be held later this month to give postgraduate students, including honours, coursework and research students, a broad view of their career options.

Career Opportunities Beyond 2000 will involve two expert speaker's sessions in the morning and two afternoon workshops on Wednesday 22 September.

The speaker's sessions will cover research careers, consultancy work, starting a company, the recruitment market, online recruitment, the value of voluntary work, public sector employment and how to manage your career portfolio. The afternoon sessions cover writing a curriculum vitae and interview skills.

Seminar sessions will be held in the Rennie Lecture Theatre, attached to the Johnson Childcare Centre near Victoria Drive at the University's North Terrace campus. Workshops are in the North-South Dining Rooms of the Union Building.

Full details, including speakers, are available from the Noticeboard on the front page of the Postgraduate Students' Association Web site: <www.adelaide.edu.au/PGSA>. Email <pgsa@www.adelaide.edu.au>. Telephone 8303 4114/8303 5898.

The seminar has been organised jointly by the University of Adelaide and the PGSA.

An undergraduate employment seminar will be held on 15 September in the Union Cinema, Level 5, Union House.

The seminar will include speakers from industry, the public service, Employ SA and Employment National.

For more information contact Vicki Thiel, the Student Employment Co-ordinator for the Students' Association, on 8303 5406.

Advertisement

## Malcolm Gillies: taking the entrepreneurial view

PROFESSOR MALCOLM GILLIES will take up his new position as Executive Dean of the Faculty of Humanities & Social Sciences on 1 October.

Professor Gillies has an Honours degree in Classics (Greek and Latin) from ANU, and undergraduate, Masters and PhD degrees in Music from the University of Melbourne, spanning both music performance and musicology. As Professor of Music at the University of Queensland (since 1991), he has held the positions of Dean of the Faculty of Music and Head of the Department of Music.

Professor Gillies is also an opera and music critic for *The Australian* and is president of both the Australian Academy of Humanities and the National Academies Forum.

On a recent visit to the University of Adelaide, he spoke with the *Adelaidean*.

*What are the major challenges to the Faculty, and what is your take on the funding issue?*

I would say that the major challenge would be maximising all of our resources in the interests of the Humanities. And that means taking a highly entrepreneurial view of everything we do. That sometimes doesn't sit particularly easily among university academics, but it is clearly the way of the present and of the future. And it can have many rewards.

With funding, there are three main areas: first, we have to increase our international student population. That's happening in many Australian universities, and it makes particular sense in Adelaide. The second one is that we have to be looking at an increasing amount of full-fee Australian postgraduate specialised courses. This is an area which many universities are exploring considerably. And third, the Federal Government has made it absolutely clear that linkages with other institutions, with industry, with



Professor Malcolm Gillies. Photo: David Ellis.

philanthropic bodies, this is the way of the future.

There is a danger in selling a good idea. But I think there are many areas where you can have that commercial link, where you are not prostituting your intellectual heritage but you are in fact enhancing it for the benefit of all concerned. I can see applications for this in many areas—in geography, languages, history. In most cases you're not dealing with the mega-millions that you would find in science and technology, but you are still dealing with ideas that are very useful.

*What are some of the Faculty's strengths, as you see them?*

I don't know the Faculty all that well at this stage, but there are a considerable number of research centres here which are flourishing in various ways. In my casual surveying of the Faculty I have found areas of excellence in every department. And I hope that is something which can be built on. In fact, I would see the Executive Dean's role as one that would very much facilitate that, by assisting in every way with the gaining of better

funding, the gaining of more contacts outside the University, more industry and community links, to continue to support and even enhance the Faculty's areas of strength.

*Considering your own education, what do you think of the increasing emphasis on vocational skills training within universities? Has something been lost in the process?*

I find it curious that people look on skills in such a short-term and narrow way. If I look back over my life at what were the most valuable three or four years in laying the foundation for my career, it would be my degree in Classics. Because it taught me how to think in a variety of ways. It taught me how to articulate ideas in a variety of ways. And what better training could you want for life when most of us are going to have five or six jobs in quite different fields? It's quite clear that the lifelong job is a thing of the past. A first degree which has a really strong emphasis on thinking processes and the adaptability of your mind, surely is the most valuable thing of all. We have to yell that from the tops of... I was going to say the churches, since it's Adelaide. It is a most important message.

Most of the accreditations you gain for professions are only short term. If you think of accreditation for something computer-related, for example, you constantly have to be updated. But where is the underlying strength of thought that underpins a sense of morality, a sense of where the world may be going, which can be informed by a study of history, a study of languages? Certainly, I would encourage people to get a diploma in six months or a year in some specialised field, but I don't want to see them derailed from the broader training of lifelong skills. I think that the world will turn around to appreciate those skills more again. And in fact, I think it is happening already.

—David Ellis

## New GIS agreement signed



THE National Key Centre for Social Applications of GIS has established an agreement with the Australian Institute of Health & Welfare (AIHW).

Pictured above at the signing of the agreement are (from left) the Director of the Key Centre, Professor Graeme Hugo (Department of Geographical & Environmental Studies), the Director of the AIHW, Mr Geoff Sims, and the University of Adelaide's Vice-

Chancellor, Professor Mary O'Kane.

The agreement will establish a collaborative relationship between the two organisations, enabling the AIHW to establish a GIS infrastructure within its organisation, so that some of its work can be better analysed and presented, and providing the Key Centre with access to previously inaccessible health-related databases.



# Colin Taylor: a wide-ranging contribution

YET ANOTHER alumnus has made a distinguished contribution to society and in some several seemingly disparate areas.

Colin Taylor attended Rose Park Primary School and the then Adelaide Technical High School. As was usual at 'the Tech' he matriculated in three years. He then joined the Post-Master General's Department (PMG) in 1943 as a Technician-in-Training.

He became a full-time student in 1944 and graduated BE in 1948. He was awarded the BE Hons (Elect) degree in 1950 with a dissertation on the acoustics of the Elder Hall.

His membership of the Student Christian Movement was early evidence of his innate social skills. Indeed he introduced his SCM friends Barbara Kidman and Diana (Didi) Wauchope to the coffee and lunch tables of his fellow engineering students to the delight of the less socially able among them.

After graduation, Colin worked in the Chief Engineer's Branch of the PMG in Melbourne and in 1952 he joined Decca Radar Ltd in London where he did secret development work on the 3 GHz (ie 10cm) 'Early Warning Radar System'.

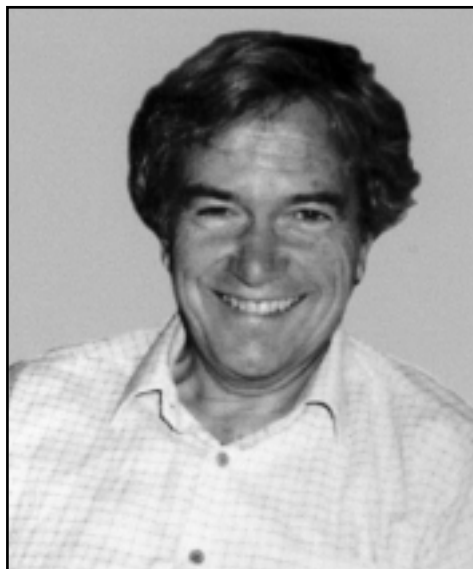
In 1956 Colin joined the then European Centre for Nuclear Research (CERN) in Geneva, Switzerland, just two years after it was founded. He worked on the 50 MeV proton injector to the Linear Accelerator (LINAC) and

was the Group Leader of LINAC from 1961. In 1966 he was responsible for the first proton pulse current to exceed 100 mA.

From 1978 he worked on the Antiproton Collider project which saw the creating and recording of the W and Z intermediate vector bosons. A CERN colleague, Edmund JN Wilson, has written: "Colin was in charge of constructing and operating this most advanced and completely novel core (stochastic) cooling system" and "According to Simon van der Meer who, with Carlo Rubbia, shared the Nobel Prize (in 1984) for the resulting discovery of the W and Z particles this cooling system was the principle (sic) contribution to the success of the Antiproton Accumulator." [Our present Elder Professor of Physics, Tony Thomas, was at CERN during those heady W and Z particle days.]

Colin Taylor was also an exceptionally gifted musician especially as a pianist and an organist. As a student his musical interests extended from church organ to jazz. He was introduced to orchestral concerts by Didi. Largely self-taught, he would then sit at the piano and play the score from memory.

In the early 50s in Melbourne he was Organist and Choirmaster at the Punt Road Methodist Church. Later in England he was Assistant Organist at St Jude's Church, London and at St Saviours' Church, Pimlico. Colin remained a life-long friend and colleague



Colin Taylor

of the late Geoffrey Parsons, the renowned Australian concert pianist and accompanist to Peter Dawson, Victoria de los Angeles and others.

At CERN he founded the CERN CHOIR [CHEUR du CERN] in 1974 and was its initial Conductor and remained its Musical Director for the 24 years until his death. Its repertoire was extensive and included: Bach, Britten, Durufle, Dvorak, Fauré, Franck, Handel, Haydn, Mozart, Palestrina, Penderecki, Purcell, Rutter and Theodorakis. He was also the Choir's piano or organ accompanist as

required both at rehearsals and concerts. Some 30 members of the Choir sang at Colin's funeral in Geneva on Monday 28 December 1998. [The Choir has posted a handsome tribute to Colin Taylor on its Web Site.]

Colin Taylor's interest returned to acoustics in the 90s and in 1994 he wrote two papers out of his research work, namely: "The Tuning Fork as a Sound Generator" and "Resonant Sound Enhancement in Musical Acoustics." Neither paper has yet been published although they are under continuous review.

A Memorial Service was held in the Tusmore Memorial Uniting Church on 11 February last where Eulogies were given by Jim Crompton and Ren Potts. Colin is survived by his wife Judith in Geneva and his three children Nicolas, Gavin and Sophie, the children of his first marriage.

He is remembered fondly by many Adelaide friends, among them our families, who had many personal and professional contacts with his family in Adelaide, Melbourne, England and Switzerland. He is particularly remembered as a cheerful, charming, multi-talented and modest man.

Atque in perpetuum, frater, ave atque vale. CATULLUS

[And forever, brother, hail and farewell.]

—Jim Crompton

—Harry Medlin

## Changes to the Alumni Activities Program

THERE ARE some changes to the Alumni Activities Program advertised at the beginning of the year.

September: "Indonesia - Australia's Northern Neighbour": This presentation has been cancelled for the time being due to staff changes.

October: "Logic and Its Critics". This illustrated lecture by Dr Chris Mortensen (Associate Professor in the Department of Philosophy) will be held as advertised on Wednesday 6 October at 7:00pm in the Benham Lecture Theatre. Logic, as a branch of philosophy, has its origins in ancient Greece, and modern applications in computer science, artificial intelligence, engineering, mathematics and philosophy. This activity is FREE and there is no limit on numbers, but to assist with planning please call the Alumni Office to indicate your intention to come: 8303 5800.

A Walk in the Waite Conservation Reserve: The University is developing a conservation reserve on the hills face adjacent to Waite Campus. On Sunday 31 October there will be a guided walk in the Reserve, followed by a barbecue. Different aspects of the natural and man-made environment will be described by scientists from different disciplines as the group progresses along the walking trail: botany, geology, ornithology, ecology, geomorphology. Coordinated by Dr Jennifer Gardner of Waite Campus and the Chair of the Science and Mathematical Sciences Chapter Mr Robert Perrin. Bookings essential as the size of the group will be limited. Please call the Alumni Office 8303 5800. The group will meet at 10:00am; the walk will take three to three and a half hours. The barbecue will be held at the conclusion of the walk.

## Graduates in top Singapore posts

TWO Adelaide graduates have recently been appointed to senior positions in the Singapore civil service.

Mechanical Engineering graduate Mr Lim Siong Guan, who is currently the Permanent Secretary (Finance) will head the civil service and also take on the position of Permanent Secretary (Special Duties) in the Prime Minister's Office.

Mr Lim has held a variety of posts in the Singapore civil service since joining the Public Works Department after graduating from the University of Adelaide in 1969.

Economics graduate Madame Lim Soo Hoon will become Singapore's first woman Permanent Secretary when she takes up her post at the Ministry of Community Development in early October.

Madame Lim, who also holds a masters in public administration from Harvard University, joined the administrative service in 1981. She is currently Deputy Secretary (Policy), Public Service Division.



### Barr Smith Library Tours

The Barr Smith Library is offering free 30 minute guided tours on the first Thursday of every month. These tours are ideal for those alumni who use the library, and particularly those who are new Services Subscribers. Familiarise yourself with the layout, collections, resources and services of the Barr Smith Library. Your guide will give you a Library Information Kit to keep for future reference.

Tel: Jennifer Osborne, Reference Services Librarian, 8303 3706 or email <josborn@library.adelaide.edu.au> to make arrangements. Maximum of 12 per group.

### Grants for Doctoral Students

Doctoral candidates wishing to apply for the AUGU/RC Heddle Award or the Mutual Community Postgraduate Travel Grant are reminded that application forms are available from the Alumni Office.

These two grants, of \$1250 and \$2500 respectively, are available to support doctoral students who wish to travel to a conference at which they will present work, or to another institution at which they will learn a technique or method essential to their work that cannot be learned here.

Enquiries: Adrienne Eccles, 8303 3196 or email: <adrienne.eccles@adelaide.edu.au>.

## Opera supremo to speak at chapter dinner

RETIRING Artistic Director of Opera Australia, Moffatt Oxenbould, will be the guest speaker at a special Cornell Chapter Dinner to be held at Ayers House on Friday 8 October.

Music will be provided by lutanist Simon Martyn-Ellis.

The dinner will be held in the elegant Henry Ayers Room, 6:30pm for 7:00pm. \$50 per person. Please make your booking at the Alumni Office: tel 8303 5800, fax 8303 5808, or call in person at Alumni House, 44 Kintore Avenue in the city.

## Bragg House Centenary Dinner

THE AUSPICIOUS date 9/9/99 marks the centenary of the laying of the foundation stone at the Bragg family residence at 207 East Tce, Adelaide.

The house was built on Professor William Bragg's return from study leave in England.

According to the inscription on the stone near the front door, it was laid by Bragg's father-in-law, Charles Todd, who held a number of public offices and was involved in the building of the Overland Telegraph line to Darwin.

A group of interested citizens is holding a centenary dinner at the Public Schools Club on the site. Anyone interested in attending can contact Ms Kym McKay on 8344 4422 or Mr Robert George on 8223 3322.

Tickets are \$80 a double or \$43 each.

The guest speaker will be Dr John Jenkin whose research interest is the History & Philosophy of Physics. The Lord Mayor, Dr Jane Lomax-Smith, will unveil a plaque to recognise the significant contribution to science by the two South Australian Nobel Laureates.

—Dr John Patterson  
Physics & Mathematical Physics

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# Community convention 'unique'

THE REPUBLIC and the coming referendum are the subject of a new "Constitutional Convention" at the University of Adelaide.

The Convention—being held by the Department of Social Inquiry on Wednesday, 15 September—will see speakers from all sides of the Republic debate give their views on issues such as the proposed referendum questions, electing a president, the content of the preamble, and the current state of democracy in Australia.

To be chaired by the Hon. Barry Jones (Deputy Chair, Constitutional Convention 1998) and the Hon. Greg Crafter (Chairman, University of Adelaide Alumni Association), the Convention will give members of the public the chance to vote in their own referendum by casting votes in a secret ballot.

The co-organiser of the Convention and Head of the Department of Social Inquiry, Professor Chilla Bulbeck, said this Constitutional Convention is aimed at encouraging public discussion of the major issues in the lead-up to the 6 November referendum.

"Most discussions of the republican issue have focused on whether or not Australia should become a republic, or—for some republicans—if the proposed model is so bad that we should stay a monarchy," Professor Bulbeck said.



Professor Chilla Bulbeck

"Discussions feature the 'usual suspects', representatives from the major organisations for or against a republic, politicians of one persuasion or another. Few of these allow Australians to consider what it means to be Australian citizens at the end of the 20th century, and how that affects the way we respond to the republican issue.

"Few public meetings consider the issues raised in the preamble. Few encourage debate concerning what the proposed preamble suggests about

being an Australian at the end of the 20th century. Few of these meetings allow the audience to be co-equal delegates with the invited speakers. And none of them conclude in a vote on the referendum issues.

"This is what makes our Constitutional Convention unique. We want community discussion of these important issues before the referendum," she said.

Social Inquiry's Constitutional Convention will be modelled on the official Constitutional Convention held in Canberra last year. But this time, anyone in the community can become a delegate to the Convention and express their views, simply by paying the registration fee.

The event will culminate in a secret ballot referendum, with the votes counted and results announced by the Vice-Chancellor, Professor Mary O'Kane.

The Constitutional Convention will be held in the University of Adelaide's Council Room (Level 7, Hughes Building) from 3.30 - 8.00pm on Wednesday, 15 September. Registration is \$30 (waged) or \$10 (unwaged).

—David Ellis

For registration forms or more information, phone (08) 8303 3715 or email <chilla.bulbeck@adelaide.edu.au>.

## Distinguished Historians Public Lecture

Thinking about Virginit: Reading and Writing About Elizabethan England.

This is the final lecture in the Distinguished Historians Public Lecture Series to be given by Paul Hammer (Queen Elizabeth II Australian Research Fellow). **Tuesday 14 September 1999, 6.30pm, Lecture Theatre LG29, Napier Building.**

## Olive Oil—a growing industry

THE GROWING olive oil industry is the subject of two new workshops being run by the Department of Horticulture, Viticulture & Oenology (HVO) at the Waite Campus.

The workshops, "Investing in Olive Oil", are aimed at anyone interested in establishing a successful olive oil enterprise.

Olives are ideally suited to South Australia's Mediterranean-style climate. Although there was an early domestic olive oil industry following European settlement, the industry went into decline and almost all olive products consumed in Australia are now imported. A successful domestic industry has the potential to replace imports of olive products currently valued at \$100 million per year. The worldwide market in extra virgin olive oil is currently growing by about 15% annually.

The first workshop—to be held on Friday, 17 September—is a basic workshop aimed at those wishing to enter the industry and investing in a successful business.

Topics covered include the myths of olive oil, understanding tree growth, olive selection, quality assessment and olive oil tasting.

"The Department of HVO has unique expertise in olives and olive oil thanks to its well-established research projects with government departments, research centres and industry bodies both in Australia and

overseas," said HVO lecturer Mr Bob Barrett.

"The workshop will be conducted by an experienced team, drawing on the expertise of the University of Adelaide, Primary Industries & Resources SA and the Australian Olive Association.

"Both workshops are designed to provide comprehensive knowledge and information on the market potential, cultivation, sensory evaluation, quality and financial aspects of the industry, as well as giving participants an appreciation of olive oil," he said.

The second workshop—to be held on 26 November—is an advanced workshop aimed at people who have an established olive grove and who need more specific and technical information.

"With the second workshop, we will give participants detailed information about irrigation, harvesting, oil pressing, oil quality and the all-important marketing of their products.

"Hopefully the information we can provide will encourage entrepreneurial South Australians to become involved in the development of olive products and establish a strong and viable olive oil industry," Mr Barrett said.

For more information about the olive oil workshops, call the Department of HVO on (08) 8303 7248.

## Maths and the real world

HIV INFECTION is more effectively treated during its later stages, according to mathematical modelling conducted at the University of Adelaide.

This revelation is just one of the many examples of mathematics being applied to the real world, and can be found in a re-released book by Associate Professor Jagannath Mazumdar from the Department of Applied Mathematics.

The second edition of his book *An Introduction to Mathematical Physiology and Biology* has now been published by Cambridge University Press.

The textbook is concerned with the mathematical modelling of biological and physiological phenomena. The book's first edition was published in 1989, but this latest version contains new material not typically found in mathematical modelling textbooks, including: modelling of epidemics, stages in the course of HIV infection, treatment of HIV infection, and modelling of the AIDS virus.

In his conclusion of the HIV infection study, Dr Mazumdar wrote: "We have thus arrived at the conclusion that treatment of HIV infection will be favourable during later stages (200 or 300 days). Mathematical models given above have answered, to a certain extent, some of the clinical questions regarding HIV infection."

The book is based on Dr Mazumdar's lectures for the third-year unit called "Mathematical Biology", which he has been teaching for more than a decade. The final completion and editing of the book was done last year in Singapore, when Dr Mazumdar was a visiting Professor at the Nanyang University.

Because of its unique content and the quality of its research, Dr Mazumdar's textbook has been made part of the Cambridge Studies in Mathematical Biology series.

—David Ellis

### ACCOMMODATION

**EXCHANGE:** Eminent social scientist with wife and 5 year old daughter seek to exchange their house in the best part of Islington, London, car and holiday cottage in France for house and car in Adelaide for 3 mths from 1 Dec 99 - 1 Mar 00 (or thereabouts). Preference for house with some garden in or near the city or Nth Adelaide. Ph Hugh Stretton 8267 1012, fax 8223 1460 or write to Dept of Economics, University of Adelaide, SA 5005.

### KANGAROO ISLAND:

Penneshaw Beach house to let. Luxurious, air cond, sea views, 3 br, dishwasher, spa bath, sleeps 9. Ph 8332 5982, web site: <www.ki.com.au/currawong>.

**ST GEORGES:** Fully renovated, 3 br courtyard home, b-in robes, 2 bathrooms, heating/cooling, security, dble garage. \$350 pw. Ph 0411 188 850.

**SWITZERLAND:** Furn flat 4km from Interlaken, on lake with view of Alps, 2 br, large lounge, can sleep up to 6.

## ADELAIDEAN CLASSIFIED

Available for 1 week or more. Ph Liliane 8362 4243.

### FOR SALE

**BEDS:** 2 wood-frame single beds with mattresses, good cond. \$50 ea. Ph 8357 1245.

**CUBBY HOUSE:** On stilts with slippery dip & sand pit. \$250. 8373 1731 (after 6pm).

**MACINTOSH POWER-**

**BOOK:** 1400CS/166 laptop, 1.3 GB HD, 16 MB RAM, CD-ROM drive (12x), 1.44 MB FD, adapters/cards, manuals/software, carry case. \$1,200 ono. Ph Rob 8303 7373 or email: <robert.murray@adelaide.edu.au>.

**MISC:** Couch, tables (4), study desk & 2 chairs, mountain bike (shimano gears & accs), TV (in need of repair), double cassette tape

recorder (in need of repair). \$350 the lot. Ph 8303 7717 (9pm onwards) or email: <brutus\_boy@yahoo.com>.

**MISC:** Bunks, red tubular with foam mattresses, ladder/safety rail, \$90. Light grey laminate computer desk, \$45. Small teak laminate wardrobe, 5 drawers, \$10. Ph Maurice 0416 161 684.

### MISCELLANEOUS

**CHILD CARE:** Reliable, experience, references

available, own transport. Ph Rebecca 8262 5134.

**COOKING CLASSES:** Learn to cook Chinese meals for banquets or just simple everyday meals using quick easy techniques with expert tuition from Judy Lee. Ph 8264 8895.

**WORD PROCESSING:** Formatting of WP on disk including IBM/PC and Mac MS Word amongst others. Laser printing; after house service; city centre location. Ph Anne Every 8212 6869 or 8415 7866.



# Bulletin Board

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## MONDAY 6 SEPTEMBER

**12noon Plant Science Seminar:** Trit or Treat? Recent advances in triticale breeding and use by Dr Kath Cooper (Plant Science). PS Seminar Room, Waite.

**1.00pm Microbiology & Immunology Seminar:** Genetic engineering of dendritic cells for organ transplantation by Dr Toby Coates (Transplantation Immunology Laboratory, Queen Elizabeth Hospital). Departmental Library, 5th Floor, Medical School South.

**1.00pm Clinical & Experimental Pharmacology Seminar:** Evaluating quality in health care by Ms Alison Malpass (PhD student). Seminar Room, 6th Floor, Medical School North.

**1.10pm Geographical & Environmental Studies Seminar:** Waterbirds at Lake Cowal, New South Wales, Australia: Assemblage shifts over a complete filling and drying cycle by Dr Peter Gell (Geographical & Environmental Studies). Room 104, Environmental Studies Building.

**1.10pm Law Seminar:** Intention versus Reactive Fault by Professor John Braithwaite. Seminar Room 216, Ligertwood Building.

**4.00pm Centre for Applied Modelling in Water Engineering Seminar:** Coastal Modelling Meets Petroleum Engineering by Professor Cedric Griffiths (former Professor, NCPGG). Room N132, Engineering North.

**4.00pm Soil & Water Seminar:** Retention and release behaviour of pesticides in soils by Riaz Ahmad (Soil & Water). Room 301, Prescott Building.

## TUESDAY 7 SEPTEMBER

**12noon Child Health Research Institute Seminar:** Regulating Apoptosis in the Colon by Professor Graham Young (Gastroenterology, Flinders Medical Centre). Seminar Room, 7th Floor, Rieger Building, WCH. Light refreshments provided by Jomar Diagnostics and Beckman Coulter.

**7.00pm Free Public Talk:** Into the Dragon's Lair by Tony Flaherty (SA Dragon Search Co-Coordinator). The Armoury, SA Museum. Ph 8223 5155.

**7.30pm AIP Lecture:** Optics: don't leave home without it! by Professor J Munch. Kerr Grant Lecture Theatre, Physics Building.

## WEDNESDAY 8 SEPTEMBER

**10.10am Electrical & Electronic Engineering Seminar:** Hyperspectral Remote Sensing by Dr Vittala Shettiga (Labs 200, SSD, DSTO). Lecture Room S112, Engineering South.

**1.10pm Genetics PhD Update:** Lillian Allen and Michael Silson. Seminar Room, Ground Floor, Fisher Building.

**1.10pm Geology & Geophysics Seminar:** Efforts Towards Dating Northern Australian Proterozoic Deformations by Dr John Cooper; Eyre Peninsula Equivalents in Antarctica by Dr Robin Oliver. Mawson Lecture Theatre, Ground Floor, Mawson Laboratories.

**1.30pm Centre for European Studies Seminar:** A Voyage to Vietnam: Dealing with Language in Early Travel Narratives by Susan Love. Room 723, Hughes Building.

**4.00pm Environmental Biology Seminar:** Marine Plants to Sediment Fragments to Limestones by Yvonne Bone

## COMING EVENTS

September 6th — September 17th

(Geology & Geophysics). Benham Lecture Theatre, Ground Floor, Benham Building.

**4.00pm Physiology Seminar:** IGF-11 Regulatory Proteins: Novel information revealed by comparative approach by Dr Zee Upton (CRC for Tissue Growth & Repair/School of Biological Sciences, Flinders University). Seminar Room N416-417, Medical School North. Refreshments served afterwards. Sponsored by Powerlab/AD Instruments.

**5.30pm Health Psychology Seminar:** The pleasure and anxiety of eating by Dr John Coveney (Public Health, Flinders). Room 527, Hughes Building.

## THURSDAY 9 SEPTEMBER

**12noon HCCR/IMVS Seminar:** Fibrillin-containing microfibrils: Complex structures important for elastic tissue integrity and skeletal morphology by Dr Mark Gibson (Pathology). Verco Theatre, IMVS.

**12.05pm Psychology Seminar:** Australians in Antarctica by Aspa Sarris (Postgraduate structured program). Room 527, Hughes Building.

**1.00pm Chemical Pathology Seminar:** Targets and Regulators of the Myb Oncoprotein by Dr Tom Gonda (Hansen Centre for Cancer Research). Seminar Room 1, 4th Floor, Clarence Rieger Building, WCH.

**1.00pm Physics & Mathematical Physics Seminar:** Collective Emission Processes in Astrophysics: Experiment & Theory by Dr Gregory Benford (University of California, Irvine). Kerr Grant Lecture Theatre, Physics Building.

**7.45pm Field Geology Club Lecture:** Geophysics in the next millennium by Professor Stewart Greenhalgh. Mawson Lecture Theatre, Mawson Laboratories.

## FRIDAY 10 SEPTEMBER

**10.00am Social Inquiry Seminar:** Gender issues in the 1998 national election in South Africa by Jeannie Rea (PG, Labour Studies). Seminar Room, 3rd Floor, 10 Pulteney Street.

**11.30am Social Inquiry Seminar:** The Invisible Farmer? Women, Gender and Colonial Agricultural Policy in SE Nigeria 1900-1960 by Chima Korie (PG, Gender Studies). Seminar Room, 3rd Floor, 10 Pulteney Street.

**1.10pm Elder Conservatorium Lunch Hour Concert:** Bart van Oort - fortepiano, Semyon Kobets - violin. Works by Mozart including the Violin Sonata in E minor K304. Admission \$2 at the door. Elder Hall.

**1.15pm Physics Under a Spotlight! Mathematical Physics** by Dr P Szekeres, Dr P Bouwknecht & Dr D Hartley. Kerr Grant Lecture Theatre, Physics Building.

**2.00pm Social Inquiry Seminar:** The slow road to gender representation in Australian unions by Sonya Meziniec (Research Assistant/PhD student). Seminar Room, 3rd Floor, 10 Pulteney Street.

**4.00pm Economics Seminar:** The Role of Trades in Stock Price Uncertainty by Associate Professor Doug Steigerwald (University of California, Santa Barbara, USA). Eric Russell Room LG14, Napier Building.

## MONDAY 13 SEPTEMBER

**12noon Plant Science Seminar:** Genes expressed during early ovule development in the apomictic plant Hieracium by Mr Nick Paech (PhD student). PS Seminar Room, Waite Campus.

**1.00pm Microbiology & Immunology Seminar:** Hair, there and everywhere - a career in forensic science and other places by Dr Harry Harding (Microbiology & Immunology). Departmental Library, 5th Floor, Medical School South.

**1.00pm Clinical & Experimental Pharmacology Seminar:** Moderate wine intake and prevention of oxidative damage to DNA and cells, as determined by micronucleus assay by Mr Will Greenrod (PhD student). Seminar Room, 6th Floor, Medical School North.

**1.10pm Geographical & Environmental Studies Seminar:** The development of ethical theory in relation to the global commons by Associate Professor Ken Dyer (Geographical & Environmental Studies). Room 104, Environmental Studies Building.

**1.10pm History Staff/Postgraduate Seminar:** Contesting the terrain: the Sugarman's Women in Colonial Java by Dr Roger Knight (History). Common Room 420, 4th Floor, Napier Building.

**4.00pm Applied & Molecular Ecology Seminar (Program Change):** Meat-eating Vegetarians by Dr Tom White (Visiting Research Fellow). Charles Hawker Conference Centre, Waite Campus.

**4.00pm Soil & Water Seminar:** Spatial Dynamics of the Western King Prawn in Spencer Gulf by Neil Carrick (SARDI). Room 301, Prescott Building, Waite Campus.

**6.30pm ARCHSS/Anthropology Seminar:** The Crisis of Whiteness in the Post-Colonial World: Capitalism and the Unequal Distribution of Hope by Ghassan Hage (Anthropology, University of Sydney). Lecture Theatre LG23, Lower Ground, Napier Building.

## TUESDAY 14 SEPTEMBER

**12.30pm General Practice Seminar:** Somatization/psychiatric illness/illness behaviour by Jan Schicchitano. Seminar Room, Level 2, Eleanor Harrald Building, Royal Adelaide Hospital. Bring your lunch.

**1.10pm Law Seminar:** Making the Best of It: Words and Intentions by Professor Greg Currie. Room 216, Ligertwood Building.

**3.15pm Anthropology Seminar:** The Crisis of Whiteness in the Post-Colonial World: Capitalism and the Unequal Distribution of Hope by Ghassan Hage (University of Sydney); Forms of Capital in the Adelaide Field of the Arts by Anthony Whiting (Anthropology). Room 722, 7th Floor, Napier Building.

**6.30pm Distinguished Historians Public Lecture:** Thinking about Virginit: Reading and Writing About Elizabethan England by Paul Hammer (Queen Elizabeth II Australian Research Fellow). Lecture Theatre LG29, Napier Building.

## WEDNESDAY 15 SEPTEMBER

**10.10am Electrical & Electronic Engineering Seminar:** Ka-band Communications Technology for Low Earth Orbiting Satellites by Dr Andrew Parfitt (CSIRO Telecommunications & Industrial Physics). Lecture Room S112, Engineering South.

**12noon HCCR/IMVS Seminar:** Membrane compartmentalisation in T cell signalling by Dr Thomas Harder (Basel Institute for Immunology, Switzerland). Verco Theatre, IMVS.

**1.10pm Genetics Seminar:** Molecular genetics of cotton fibres by Nigel Percy. Seminar Room, Ground Floor, Fisher Building.

**1.10pm Geology & Geophysics Seminar:** Evolutionary Palaeoecology by Dr Brian McGowran (Geology & Geophysics). Mawson Lecture Theatre, Ground Floor, Mawson Laboratories.

**1.10pm Student Workshop:** Overcoming shyness by Susan Howard. Counselling Centre, Ground Floor, Horace Lamb Building.

**1.30pm Centre for European Studies Seminar:** Gauthier's Realism by Lynette Stocks. Room 723, Hughes.

**4.00pm Environmental Biology Seminar:** Methane Dynamics in Constructed Wetlands by Kerri Muller (Environmental Biology). Benham Lecture Theatre, Ground Floor, Benham Building.

**4.00pm Physiology Seminar:** Breathing in sleep - don't bank on it by Dr Doug McEvoy (Repatriation General Hospital, Daw Park). Seminar Room N416-417, Medical School North. Refreshments served afterwards. Sponsored by Powerlab/AD Instruments.

## THURSDAY 16 SEPTEMBER

**12noon Anti-Cancer Foundation and IMVS/HCCR Seminar:** Blood Vessel Formation: From Developmental Biology to Therapeutics by Associate Professor Tom Sato (UT South-Western Medical Centre, Dallas). Verco Theatre, IMVS.

**12.05pm Psychology Seminar:** An alternative interpretation of paranormal phenomena by Lance Storm (Postgraduate structured program). Room 527, Hughes.

**1.00pm Chemical Pathology Seminar:** The Fruit Fly as a model for Human Disease by Dr Michael Feitz. Seminar Room 1, 4th Floor, Clarence Rieger Building, WCH.

## FRIDAY 17 SEPTEMBER

**10.00am Social Inquiry Seminar:** Police unionism - Theoretical perspectives by Ingrid Voorendt (Postgraduate, Labour Studies). Seminar Room, 3rd Floor, 10 Pulteney St.

**1.10pm Elder Conservatorium Lunch Hour Concert:** Elder Conservatorium Brass Ensemble and Elder Conservatorium Chamber Winds. Robert Hower - Conductor. Admission \$2 at the door. Elder Hall.

**2.00pm Social Inquiry Seminar:** Dense woods and old trees: not seeing the movements for the unions by Pat Wright (Social Inquiry). Seminar Room, 3rd Floor, 10 Pulteney St.

**4.00pm Economics Seminar:** How Persistent are Shocks to Inflation? by Dr Olan Henry (University of Melbourne). Eric Russell Room LG14, Napier Building.

# SITUATIONS VACANT

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

**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 duty statements may be obtained from the contact officer named in the advertisement.

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

## ADMINISTRATIVE ASSISTANT (Ref: 7128)

Office of the Vice-Chancellor  
Full-time salary HEO2:  
\$25,388 - \$26,992

This continuing position is available from 4 October 1999, 50 hours per fortnight. Details from Rosalyn Chardon, tel 8303 5780, fax 8303 4407 or email: <rosalyn.chardon@adelaide.edu.au>. Applications close by 13 September 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.**

## RESEARCH ASSOCIATE/ POSTDOCTORAL FELLOW IN PHYSICAL CHEMISTRY

Gas Phase Molecular Reaction Dynamics - Department of Chemistry (Ref: 3938)  
Salary: \$37,779 - \$46,013\*  
(\* a min rate of \$42,864 pa is payable to the holder of a PhD)

Further details from Dr Mark A. Buntine, tel 8303 5580; fax 8303 4358; or email: <mark.buntine@adelaide.edu.au>. Applications close by 31 October 1999.

## RESEARCH ASSOCIATE (Ref: 4103)

Teletraffic Research Centre  
Salary: \$37,779 - \$46,013

This fixed-term position is available immediately for a period of two years on an annually renew-

able basis. Details: Barbara Gare, tel 8303 5413, fax 8303 4395 or email: <bgare@maths.adelaide.edu.au>. Applications close 17 September 1999.

## SENIOR PROJECT OFFICER - INDIGENOUS AND RURAL STUDENT RECRUITMENT (Ref: 1896)

Department of General Practice  
Salary HEO7: \$42,760 - \$47,973  
This fixed-term position is available immediately until 31 May 2000. Details: Dr J Newbury, tel 8303 3454, fax 8303 3511 or email: <jnewbury@medicine.adelaide.edu.au>. Applications close by 13 September 1999.

## COMPUTER OFFICER (Ref: 8722)

Teletraffic Research Centre  
Salary HEO6: \$38,751 - \$41,959  
This fixed-term position is available immediately for a period of two years on an annually renewable basis. Details: Barbara Gare, tel 8303 5413, fax 8303 4395 or email: <bgare@maths.adelaide.edu.au>. Applications close by 17 September 1999.

## TECHNICAL ASSISTANT (Ref: 4814)

Department of Plant Science,  
Waite Campus  
Salary HEO3: \$26,725 - \$30,467\*  
\*Junior rates apply to those persons 20 years of age and under  
This fixed-term position is available immediately until 30 June 2000, with the possibility of renewal. Details: Secretary, Department of Plant Science, tel 8303 7289 or fax 8303 7109. Applications close by 17 September 1999.

## ADMINISTRATIVE ASSISTANT (Ref: 3064)

Faculty of Humanities and Social Sciences  
Salary HEO3: \$26,725 - \$30,467  
This position is being re-advertised as unrestricted. Previous applicants need not re-apply. This continuing position is available immediately. Further details from Robert Ewers, tel 8303 4918. The duty statement and selection criteria from Anne Martin, tel 8303 5801. Applications close 13 September 1999.

# GENERAL NOTICES

## Bank Account for Salary Payments

The University is in the process of implementing a new Human Resource/Payroll System which will become effective later this year.

Direct credit of net salaries into bank accounts has been available for over 10 years and is a more efficient and secure method of payment than issuing cheques. Salary deposits can be accessed prior to 9am on the pay day, whereby financial institutions require a three day clearance on cheques. Provided correct bank/building society/credit union account details are supplied to the Payroll Office the salary payments cannot be lost or deposited incorrectly.

In order to facilitate effective change over to the new system, the University has adopted a new policy that all employees will require an account with a Bank/Credit Union/Building Society for direct credits of salary.

Departmental Managers and Finance Officers are asked to ensure that new staff (especially casual staff) complete a BANK CREDIT AUTHORITY form, available on the Web at: <<http://www.adelaide.edu.au/HR/forms.htm>>, when they commence duty to ensure that there are no delays in salary payments to staff in their area.

Should you have any queries contact Doris Riffel phone 8303 6378) or Karen Jenkins (8303 6256), Project Endeavour Office.

**STEVE DAYSH**  
General Manager,  
Human Resources

**DAVID CARVER**  
Financial Controller

## Pro Vice-Chancellor (Internationalisation and Development) Portfolio

Consequent upon the arrival of the Pro Vice-Chancellor (Internationalisation and Development) Dr Norman Ashton, the following staffing arrangements have now been put in place. Ms Judith Edwards has moved from the Deputy Vice-Chancellor (Research) Office to become the Executive Personal Assistant to the Pro Vice-Chancellor. Mr Dennis Murray, the ertwhile Director of International Programs, has moved to the Pro Vice-Chancellor's office as Chief Policy Adviser (Internationalisation). Mr Geoff Dillon, from Michael G Downes, Venn and Associates has joined Norman Ashton's team as Appeal Director. Mrs Nicole Stones, from the Law School, is about to become the Administrative Assistant to provide support for Chief Policy Adviser (Internationalisation) and the Appeal Director. Geoff Sauer and the staff at Alumni House are also now within the portfolio of the Pro Vice-Chancellor.

## Economic Society AGM and Guest Speaker

**9 September 1999, Staff Club,  
The University of Adelaide,  
North Tce, Adelaide, 5.00pm -  
5.15pm followed at 5.15pm by  
Professor Bob Gregory,  
Australian National University:  
The Chinese cultural revolution  
in the long run**

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.

Price: Members - no cost / Non members: \$15. Remittance to be made payable to Economic Society of Australia (South Australia) Inc. Society membership will be available at the door.

Please RSVP (for catering purposes) immediately to: Secretary, Economic Society of Australia (South Australia) Inc, C/- School of Economics, The University of Adelaide, SA 5005, tel 8303 4460 fax 8223 1460, email <[jan.holmes@adelaide.edu.au](mailto:jan.holmes@adelaide.edu.au)>.

## Uni Super Schemes may merge

At present 50,000 university staff across Australia must be members of two industry superannuation schemes, SSAU and TESS. The two have operated side by side since 1988 when the TESS Award granted an extra 3% superannuation contribution from employers.

While long serving staff know this history they often suggest that a single superannuation account would be simpler. New recruits can be confused by the duplication of application forms and scheme booklets.

The Trustees of SSAU and TESS have therefore started to explore whether it would be practical to merge into a single scheme with about 150,000 members and investments of more than \$7 billion.

Economies of scale in investment and administration should deliver advantages to both members of the superannuation schemes and to employers.

For staff who are at present only members of TESS a merger would present an opportunity to participate in investment choice and improved insurance arrangements.

While many details remain to be discussed it has been agreed that the merger will occur only if both SSAU and TESS benefits including members' shares of surplus or reserves are fully protected. Total employer contributions would remain at present levels.

## Guest Speaker at Thebarton Campus

Denis Harwood, **Executive Director of Minelab Electronics Pty Ltd**, will be a guest speaker at the Thebarton Campus on Wednesday 8 September, 9.30am - 11.00am to talk about the company's growth and development with a particular focus on innovation.

The presentation is part of the Entrepreneurship & Innovation subject within the University's Graduate Diploma in Business Enterprise (SME) program.

Venue: Lecture Theatre, Building 16, Thebarton Campus, 35-37 Stirling Street, Thebarton. All welcome.

Enquiries to Joanne Pimlott, Director, Enterprise Education Group, 8303 3476 or email: <[joanne.pimlott@adelaide.edu.au](mailto:joanne.pimlott@adelaide.edu.au)>.

## EMPLOYMENT INFORMATION

**NOTICE TO APPLICANTS:** Applicants for all positions should re-tain 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: 2473 HEO6, Health Sciences; 2101 HEO3, Agronomy and Farming.

### HUMAN RESOURCES DEADLINES FOR ADELAIDEAN

For the *Adelaidean* of 4 October 1999, advertising paper work must be to Human Resources by 17 September 1999.

For the *Adelaidean* of 18 October 1999, advertising paper work must be to Human Resources by 1 October 1999.

## Nature Walk

The annual FREE nature walk conducted by the Friends of Belair National Park will be held on Saturday 18 September 1999, 10.00am until approximately 3.00pm and will be led by botanist Dr Ralph Foster.

Meet in the Belair Park at the Main Oval Pavillion opposite the Information Centre at 10.00am. Please bring your lunch, snacks, drinks, walking shoes, sunhat and sunscreen. The Friends will supply a "cuppa" at the Volunteer Centre, Long Gully at noon.

**Enquiries 8278 6736 or 8278 2623.**



## Special Studies Program

### Special Studies commencing in the period July - December 2000.

Applications are now invited for Special Studies commencing in the **second half of 2000**. Application forms may be obtained from Human Resources (ext 35666 or 35177) or via our Web Page: <[http://www.adelaide.edu.au/HR/services/f\\_sspapp.htm](http://www.adelaide.edu.au/HR/services/f_sspapp.htm)> and should be returned through the Head of the Department **no later than 30 September 1999**. The supporting statement on page 4 of the application must be completed by the Head of the Department and Heads are reminded that in accordance with Paragraph 2.1.6 of the Special Studies Program Policy they are asked to comment specifically on both the academic justification for the programme and itinerary, and the implications in terms of the teaching, examining and administrative needs of the Department. All applications should be considered by the Departmental Committee before submission.

Under the terms of Paragraph 2.1 of the Policy all applicants will be required to justify the period of Special Studies sought, irrespective of the length of the period involved. Enquiries to Julie Raeck Human Resources, ext 35177.

**STEVE DAYSH**  
General Manager, Human Resources

## Student Evaluation of Teaching

The Advisory Centre for University Education (ACUE) provides a service to all University teaching staff who wish to evaluate their teaching. This service is known as Student Evaluation of Teaching (SET). Staffing wishing to use SET for the first time should contact the Evaluation Service Office, ext 33496/ 33023, for a copy of the package. The SET package contains a User Manual, appropriate evaluation request forms, and some information concerning applications for promotion and tenure. The service is free of charge and is available to all teaching staff of the University.

Due to high demand, and to the fact that the Evaluation Service is currently staffed by one full-time person only, please send your evaluation request forms to the ACUE **at least four weeks prior to the planned date of your evaluation**. It is ACUE policy that all requests are placed in a queue determined by date of receipt. Requests which do not allow sufficient lead time may not be processed. We recognise that occasionally there will be circumstances where a staff member will need to request an evaluation service but cannot give the required minimum notice. In these cases a service will be provided within 5 working days and a priority fee of \$75 charged.

## Counselling Centre

### WORKSHOPS

Improving Sleep; Developing a Lifestyle That; Reduces Stress and Worry; Learn Deep Relaxation; The Perfect Procrastinator; Overcoming Shyness; Effortless Exams.

**Lunchtimes - free. Booking on 8303 5663 or call in.**

**DAILY DROP IN SERVICE**  
1.00pm - 2.30pm. Brief consultations only. No appointment required.

**Ground Floor, Horace Lamb Building**

## Dental treatment for staff and 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 5000 (next to Medical School).

## Third Annual Centre for British Studies Conference

### Britain Today: Interdisciplinary Perspectives on Contemporary Britain

**23-25 September, Ira Raymond Room, Barr Smith Library**

Speakers include Neal Blewett, Geoff Gallup, Charmaine McEachern, Hugh Stretton, Nigel Rapport, Valerie Walkerdine..

Registration fee \$130. Booking forms and further details from Adrian Peace, Anthropology, University of Adelaide, SA 5005, tel 8303 5931 or email: <[adrian.peace@adelaide.edu.au](mailto:adrian.peace@adelaide.edu.au)>

## University Staff Card

Some staff have experienced problems with their Staff Card. In particular, the University Crest and other printed elements are rubbing off.

New, high quality cards printed by Schlumberger in France have now arrived in the Card Centre.

If you wish to exchange your card for one with a much more durable finish, just bring the original to the Card Centre, Hughes Plaza (next to Security) and we will give you a new one - free of charge.

Any funds you have placed on the electronic purse of the card should be used before you come and collect your replacement card.

Enquiries to Allison at the Card Centre, ext 33363 or email: <[cards@cardcentre.adelaide.edu.au](mailto:cards@cardcentre.adelaide.edu.au)>.

## Impact Resistant Badge Holders - Perfect for Your University ID Card

Credit card size. Made of impact resistant plastic to protect the card from occasional damage due to impact, shocks etc. Transparent material. Comes with alligator clip which holds ID firmly to shirt or coat pocket. Can also be used with ID neck cord or chain. ID card can be removed from holder easily for inspection into any access control equipment without bending or damaging card.

Cost: \$3.50 each. Bulk orders - Price on application. Can be purchased from the Card Centre, Hughes Plaza, ext 33363.

# LUMINIS SNAPSHOTS

## The Story Behind the Mousetrap

### LUMINIS PTY LTD AND THE UNIVERSITY OF ADELAIDE

Over the past months we have published articles giving some idea of the range of activities covered by Luminis. This article provides a more in-depth outline of our role, structure and services. It has been written to inform academic staff about how Luminis can assist them in increasing their personal income as well as providing their services to the broader community.

### ROLE

Luminis Pty Ltd is the commercial development company of the University of Adelaide. Operating since 1984 under charter from the University, the Company's primary activities are:

- Commercialisation and protection of the University of Adelaide's intellectual property;
- Management of contract research and development projects;
- Management of consultancy services.

Luminis is the commercial interface between the University and the regional, national and international business community and currently has an annual turnover of over \$6 million.

### STRUCTURE

Luminis Pty Ltd is the trustee of the Luminis Investment Trust, and all commercial benefits of its

activities are returned to the University of Adelaide as sole beneficiary.

Assets comprise:

- Shares held in new technology companies developed from University intellectual property;
- Funds generated from research and consultancy activities;
- Intellectual property portfolio.

Luminis operates as an independent and autonomous company with a Board of Directors chaired by Mr Tony Siebert, Director of Finance and Infrastructure.

Luminis core staff consists of a team of highly skilled professionals with substantial project and contract management experience encompassing legal, financial and commercial aspects.

Luminis has direct access to academic staff of the University of Adelaide and can source additional consultants on an as needs basis through associations with public sector agencies and private consulting companies. Particular strengths of the University include health, agriculture, environment and natural resource management, biotechnology and molecular biology, engineering, pharmacology, Spatial Information Systems, information technology and communications.

### MANAGEMENT

The strong management support provided by Luminis ensures that the project management,

professional, technical and logistical aspects of all commercial projects are met. These include:

- Contractual and legal services;
- Project management including dedicated Project Managers;
- Intellectual property protection;
- Insurances.

### CONSULTANCIES

Luminis manages the provision of consultants across the full spectrum of disciplines. Many have been global, with and particular emphasis in the Asian Pacific Region. These consultancies have been both long and short term in nature and involved consultants as individual representatives or as part of larger project teams. Projects have been undertaken for an extensive number of international agencies including Asian Development Bank (ADB), AusAID, Commonwealth of Australia Department of Foreign Affairs and Trade (DFAT), Food and Agriculture Organisation of the United Nations (FAO), Swedish International Development Cooperation Agency (SIDA) and USAID. Sectors covered include agriculture, environment and natural resources, engineering, health, architecture and urban design, management, tertiary education, communications and electronics. Expertise has been successfully provided at project identification, design, implementation and review stages. Grand as this global perspective might seem, there is a continuous demand throughout Australia by both commercial and government interests in the provision of consultants from the University of Adelaide.



*Peter Hart, Managing Director, Luminis Pty Ltd.*

### INTELLECTUAL PROPERTY COMMERCIALISATION

Luminis successfully commercialises intellectual property generated at the University of Adelaide through the development and nurturing of start up companies and businesses, syndication and licensing to national and multi-national organisations.

Luminis' intimate knowledge of patent and other intellectual property protection processes complements the researcher's expertise to produce commercially sound market ready technology.

Luminis currently manages an intellectual portfolio comprising patent, plant variety and breeding rights, registered designs and prototypes at various stages of development.

Luminis currently licences intellectual property across a broad range of industry sectors including agriculture, engineering, communications and pharmaceuticals.

### LUMINIS STAFF CONTACT DETAILS

**Peter Hart**  
Managing Director

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Business Development Manager

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Corporate Solicitor

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[luminis@luminis.adelaide.edu.au](mailto:luminis@luminis.adelaide.edu.au)

**Web site:**  
<http://www.luminis.com.au>

**Postal address:** PO Box 149, Rundle Mall, Adelaide, SA 5000

**Locations:** 1st Floor, 10 Pulteney St, Adelaide South Australia 5000, and Charles Hawker Building, University of Adelaide, Waite Campus.



## WHAT'S ON AT URRBRAE HOUSE

### EXHIBITIONS

Sunday 19 September - 17 October  
 AN EXHIBITION OF BRONZE SCULPTURE  
 Liquid Metal Studios  
 Open Tuesday - Sunday, 10.00am - 4.00pm  
 Enter from Fullarton Rd, follow 800 metre driveway to carpark

## 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 Pue-San Ng, 8303 5174 or email: <puesan.ng@adelaide.edu.au>.

Department of Horticulture, Viticulture & Oenology

## Grape and Wine Industry Outreach Seminar

This seminar is for grape and wine industry professionals who would like to extend their knowledge of the research efforts in Viticulture, Oenology and Wine Marketing currently being undertaken in the Department of Horticulture, Viticulture and Oenology at the University of Adelaide.

Participants will obtain a comprehensive overview of the research programs and profile of the staff involved, hear from individual staff who will present details and findings of their current research, and have an opportunity to meet and interact with the staff and provide some feedback on industry matters relevant to research needs via participation in an open forum led by Professor Peter Høj (Professor of Oenology and Director of the Australian Wine Research Institute).

**Friday 17 September 1999, 9.00am - 5.00pm, Waite Campus**

Registrations (\$80) must be received by 10 September. Enquiries to Valerie Morris, tel 8303 7242, fax 8303 7116 or email: <vmorris@waite.adelaide.edu.au>.

## RESEARCH BRANCH

## Are you Registered?

- to automatically receive regular updates about research funding opportunities in your areas of interest
- so that details of your interests and expertise are available to potential sponsors, collaborators or industry partners

If not, check out the SPIN/SMARTS/GENIUS link on the Research Branch home page for information about how you can register on the SPIN/SMARTS/GENIUS system.

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

# 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 <renae.minerds@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.

**Collier Charitable Fund - Equipment Grants 2000:** Internal closing date: 8 September 1999.

**Land and Water Resources R&D Corporation (LWRRDC) - National Program for Irrigation R&D - Research Proposals:** Internal closing date: 10 September 1999. Web site: <<http://www.lwrrdc.gov.au>> (select ads/applications)

**UMAP - Australian University Mobility in Asia and the Pacific - Programme Grants 2000:** Internal closing date: 10 September 1999. Web site: <<http://www.detya.gov.au/iae/international/umap.htm>>.

**Korean Association of Science & Technology in Australia - Korean Brain Pool (Research Fellowship) Program:** Internal closing date: 13 September 1999. Web site: <<http://www.kasta.org.au>>.

**Perpetual Trustees - Grants:** Internal closing date: 16 September 1999. Applications will be accepted at any time within these periods.

**National Cancer Institute, USA - Genetic Regulation of Susceptibility to Tobacco-Related Carcinogenesis:** Internal closing date: 17 September 1999. Further information: <<http://www.nih.gov/grants/guide/pa-files/PA-98-095.html>>. Application form: <[http://www.nih.gov/grants/funding/phs398/forms\\_toc.html](http://www.nih.gov/grants/funding/phs398/forms_toc.html)>.

**National Centre for Research Resources (NCRR), USA: Novel Approaches to Enhance Stem Cell Research:** Internal closing dates: 17 September 1999 and 18 January 2000. Further information: <<http://www.nih.gov/grants/guide/pa-files/PA-99-086.html>>. Grant application form (PHS 398): <<http://www.nih.gov/grants/forms.htm>>.

**National Institute of Neurological Disorders & Stroke / National Institute of Arthritis and Musculoskeletal and Skin Diseases, USA - Gene Therapy in Duchenne Muscular Dystrophy:** Internal closing dates: 17 September 1999 & 16 February 2000. Web site: <<http://www.grants.nih.gov/grants/guide/1994/94.02.18/pa-gene-therapy-in-d008.html>>.

**Rural Industries Research & Development Corp. (RIRDC) - Research Grants (various):** Internal closing date: 17 September 1999. Web site: <<http://www.rirdc.gov.au>>.

**SENAC (South Australian State Energy Research Advisory Committee) - SENRAC Energy Research Grants 1999/2000:** Internal closing date: 17 September 1999.

**Alzheimer's Disease and Related Disorders Association of Australia - 1999 Dementia Research Grants:** Internal closing date: 23 September 1999.

**Australian Academy of Science - Maxwell Ralph Jacobs Fund 2000:** Internal closing date: 23 September 1999. Web site: <<http://www.science.org.au/awards/awards.htm>>.

**Australian Institute of Nuclear Science and Engineering Inc - 2000 Series AINSE Grants:** Internal closing date: 23 September 1999. Web site: <<http://www.ansto.gov.au/ainse/ainse1.html>>.

**Canadian High Commission**

- Canada-Asia-Pacific Award in Canadian Studies (CAPA)
- Faculty Enrichment Program (FEP)
- Faculty Research Program (FRP)

Internal closing date: 23 September 1999

- Canadian Studies Academic Internship Program
- Program for International Research Linkages (PIRL)

Internal closing date: 8 November 1999. Web site: <[www.uq.edu.au/~entkhoo/index.html](http://www.uq.edu.au/~entkhoo/index.html)>.

**Grains Research & Development Corporation - Conference Support 1999-2000:** Internal closing date: 23 September 1999. Web site: <<http://www.grdc.com.au/info-paper/grinfo.htm>>.

**Grains Research & Development Corporation - Travel/Conference Attendance 1999-2000:** Internal closing date: 23 September 1999 (for the 6 months January 2000 to June 2000). Web site: <<http://www.grdc.com.au>>.

**Practical Experiences in Professional Education Inc (PEPE Inc) - Seeding Grants:** Internal closing date: 23 September 1999

### 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.

**Anti-Cancer Foundation SA Vacation Scholarship 1999/2000:** Open to undergraduates who have completed at least two years of their course and who are interested in participating in research projects directly related to cancer. Tenable for 6-8 weeks at universities, teaching hospitals or research institutes during summer vacation. Value: \$150 pw. Further details available. Closing: 24 September (ACF)

**Australian Postgraduate Awards/University of Adelaide Scholarships 2000:** Applications are open to Australian citizens or permanent residents of Australia for these scholarships tenable at the Uni of Adelaide in 2000, leading to a PhD or Masters by research. Closing: 31 October (Scholarships)

**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 & applications available only from Fulbright 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 details from: <<http://sunsite.anu.edu.au/education/fulbright>>.

**George Murray Scholarship:** Available to Adelaide University 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)

**Hebrew University of Jerusalem - Lady Davis Fellowship Trust:** Provides awards for study, research or teaching at graduate, postdoctoral or professorial levels at Hebrew University or the Technion. Details available from: <<http://sites.huji.ac.il/LDFT>> or Ms Lindy Susskind, (03) 9272 5511.

**Hebrew University of Jerusalem - Rothberg Family Scholarship:** Open to graduate students at all levels who meet the relevant requirements for participating in the Graduate Year Program at Hebrew University's Rothberg International School. Details available from: <<http://sites.huji.ac.il/LDFT>> or Ms Lindy Susskind, Student Liaison Officer, (03) 9272 5511.

**Lionel Murphy Postgraduate Scholarships:** Open to Australian citizens who have completed, or are about to complete an undergraduate degree in science, law or legal studies, or other appropriate disciplines and who intend to pursue a postgraduate degree in these fields. Value: \$15,000pa. Overseas scholarships are also avail. Value: \$30,000 pa. Closing: 27 September (Scholarships)

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

**Royal Society of NSW:** The Society is willing to publish abstracts (max 500 words) of MSc, MA or PhD theses in its bi-annual Journal. Fee: \$25 per abstract. Details from Mrs M Krysko v. Tryst, Royal Society of NSW, PO Box 1525, Macquarie Centre, NSW 2113.

**Swiss Government Scholarships 2000/2001:** One scholarship will be available to Australian citizens for art/music and two in other disciplines, for one academic year (9 months). Applicants should have sufficient knowledge of French or German. Value: SFr1450p/m (undergraduate), SFr1650p/m (postgraduate & art students), regular university fees, medical insurance, travel from Switzerland to Australia. Closing: 20 September (ACT)

**Vietnam Veterans Trust Education Assistance Scheme (WTEAS):** Open to children of Australian Vietnam veterans under 25 years of age, who are enrolled in, or plant to enrol in, a fulltime post-secondary course in Australia leading to a first employment level qualification. Web site: <<http://www.acsoft.com.au/~vvt>> or email: <[vvt@acsoft.com.au](mailto:vvt@acsoft.com.au)>. Closing: 30 October (NSW).