

ADELAIDEAN

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NEWS FROM THE UNIVERSITY OF ADELAIDE

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Getting to grips with the challenge of pests

RESEARCHERS at the University of Adelaide have accepted a new challenge: to help rid Australia of unwanted pest animals such as the European rabbit, the European red fox and the introduced house mouse.

The University is a core participant in the new national Cooperative Research Centre for the Biological Control of Pest Animals (Pest Animal CRC).

Teams from the Departments of Microbiology and Immunology, Biochemistry, Obstetrics and Gynaecology and Animal Science will provide expertise in reproductive biology and vaccine development to help develop fertility control agents for the introduced species.

Feral pests continue to be a major problem in Australia, causing devastating environmental and economic damage every year.

New methods of control are needed to replace the current use of toxic chemicals.

The new CRC will build on the work of a previous CRC (Vertebrate Biocontrol CRC <http://www.dwe.csiro.au/vbc/>), and ensure that specific fertility control agents for the rabbit, the fox and the mouse will be developed and applied.

The fertility control agents are

vaccines that prevent reproduction.

They are formulated to be delivered orally in a bait or remotely through a virus which specifically infects the target pest animal population.

The control agents will be cost-effective and environmentally friendly. They will also reduce the impact of the pest to acceptable levels, be more humane and retain their effectiveness over time.

The Chief Executive Officer of the new CRC, Dr Bob Seamark, said:

"Laboratory proof of the feasibility of developing these new agents has been obtained. The Centre's challenge is to develop the agents to the necessary level of efficacy and environmental safety required for their release."

Researchers at the University of Adelaide will contribute to the Strategic Options Sub-program, designed to support the basic science crucial for product development and serve as an entry point for new ideas in the development and application of the research.

In the long term the technology developed could be applied to control other pests, such as the feral cat and feral pig.

The Federal Government will



provide \$14 million of the \$56 million budget to fund the Centre over the next seven years. This money will be well spent since rabbits alone are estimated to cost more than \$600 million each year in lost production.

The Pest Animal CRC is based in Canberra but will coordinate research activities of teams from the Australian National University, University of Western Australia, University of Adelaide, University of Sydney, CSIRO Wildlife and Ecology, Western Australia Department of Conservation and Land Management and Agriculture Western Australia.

—Story courtesy of Pest Animal CRC

Images courtesy of CSIRO Wildlife and Ecology



Pictured (left to right): Ian Martens, Mary O'Kane, Mal Hemmerling, Sue Cocks, Nick Cocks and Brian Croser at the launch of the Ian Cocks Memorial Trust. Photo: David Washington

New Deputy Chancellor urges greater business support for universities

THE NEW Deputy Chancellor of the University of Adelaide, Mr Brian Croser, has highlighted the "relative vacuum" of business philanthropy in support of universities in Australia.

Mr Croser made the comments recently at the launch of the Ian Cocks Memorial Trust, named after the late South Australian business and community leader.

Mr Croser, who later that same day was confirmed as Deputy Chancellor, said the trust would "fund active exchange of people and ideas in and out of the University of Adelaide" in the areas of grape and wine production, marketing, tourism and engineering for manufacturing.

These were all areas of interest to Mr Cocks, who served on the boards of several companies, including Mr Croser's Petaluma Ltd.

Mr Cocks, who died tragically in the 1997 Classic Adelaide Rally, also played a key role in bringing the Formula One Grand Prix to Adelaide in 1985.

"The trust is not just about a man after whom it is named," Mr Croser said.

"It is a concept in support of generational change—a concept Ian Cocks himself would have wholeheartedly supported."

He said there was an area of business philanthropy which was "sadly underdeveloped in this country and probably in Adelaide, in particular".

"In America, the concept of endowments to the great teaching and research institutions is well developed to the immense benefit of the American economy.

Continued Page 4



THE UNIVERSITY OF ADELAIDE

1874-1999

Celebrating
125 years

COMMENTARY

AN AUSTRALIAN OBSERVER IN EL SALVADOR

by
Dr Gus Nathan
Senior Lecturer
Department of Mechanical
Engineering

Having been interested in human rights issues for many years, I took time off in February and March this year to participate with the Australian Delegation as an international observer of the 1999 Presidential Election in El Salvador.

El Salvador is a beautiful country, generally lush and green. It is also a relatively poor country, although its capital San Salvador bears all the evidence of a modern city with supermarkets, neon signs and high-rise buildings. The estimated population of about 6 million (there has never been an official census) lives in an area one third the size of Tasmania.

El Salvador also has a very unequal distribution of wealth, and many feel that the gulf between the rich and poor is increasing. Not far from the modern shopping complexes and typical Australian homes are the more numerous slums. It is estimated that 62% of the rural population lives in extreme poverty and most of these are illiterate.

Today the homes of the middle class and rich are protected by rows of razor wire. Private armed guards are ubiquitous, guarding both homes and shops. It is the most violent country in Central America with about 7400 homicides per year, mostly from shootings. This equates to a staggering 20 deaths per day.

The poor people in El Salvador have been oppressed for centuries. The latest round of intense oppression started in the early 70s and increased until the rural people started taking up arms.

While there is no official starting

date, the war against the government is generally thought to have begun around 1980 and ended in 1992. Throughout this entire period, torture, intimidation, rape, murder and disappearances were common. While the killings were initially connected with those directly involved in the fighting, towards the end they became increasingly random. No-one was safe.

Like the United Kingdom, there are two levels of government in El Salvador: national and municipal. The national president is elected every five years. The president has the power of veto, and in some areas (for example, national security) has unilateral powers.

The Australian Delegation was a fascinating group of people with wide experience in various fields. Most had some connection to El Salvador—some were born or had lived in the country, while others had worked with El Salvadorian refugees in Australia.

As official observers, we had been told it was important to remain impartial at all times. Our role was simply to report on what we saw, not to comment or give our own personal views. We were free to ask simple questions of individuals or election officials, but were to avoid bias in who we questioned or what we asked. We were to avoid giving the appearance of "interrogating" people and were not get into a debate.

Previous international delegates who observed the 1994 and 1997 elections had found an alarming level of

fraudulent activity. For example, the voting procedure is so complex that only about one third of the population actually votes. Bureaucratic procedures required to obtain a voting card are so complex that at least 20% of the population is ineligible to vote, and there is evidence of bias as to which regions receive voting cards. Many people have to travel for several hours to vote, discouraging voter turnout and disadvantaging the poor. In addition, many dead people are still on the electoral role, and it's been proven that some of the deceased have officially "voted" in past elections.

We had learnt of the recommendations for electoral reform which had been proposed by international observers of previous elections, and knew that no action had been taken to implement them. Our observations then gave us the opportunity to further assess the recommendations and look for other examples of bias or corruption.

During our visit, the extent of the army's brutality during the war was hammered home by a visit to the Jesuit University of Central America (UCA). This is where the murder of six Jesuit priests and two women co-workers took place on 16 November 1989. That day marked a dramatic change in media attention and international awareness of the war, and pointed to the fact that it was being waged not against "communist guerillas", but against the country's own people. This event and the earlier assassination of Archbishop

Romero, also from UCA, have come to symbolise the struggle and suffering of the El Salvadorian people.

Sunday, 7 March was Election Day. We started early, rising at 4.30am to observe all the procedures used in preparation for voting. The polls were open from 7.00am to 5.00pm.

To account for the high level of illiteracy, the voting procedure requires that a cross be put through the party flag of the preferred candidate, rather than by putting numbers in boxes next to names. Each voter can only vote at one booth in the entire country, which is found in the town at which they lodged their application. The polling centre which I observed had 44 voting booths, each of which had 400 names and voting papers. After voting, each person must either sign their name or have a fingerprint taken, and their finger is dipped in indelible ink to ensure they cannot vote twice.

One thing that surprised me about polling day was the carnival-like atmosphere. Many people arrived, voted, then hung around to celebrate the big event. This carnival atmosphere was assisted by the bright displays of party colours, mostly dominated by the government's party, ARENA.

In our municipality, things went smoothly and the officials from different parties were cooperative and amiable. Our group saw no elements of overt cheating or intimidation in the voting process or in the counting—on the contrary, the procedures seemed well understood and were generally well followed.

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Celebrating
125 years

FROM NEAR AND FAR

By Mrs Ruth Heddle, BSc 1942, Foundation Member, Alumni Association

When I commenced as an undergraduate at the University of Adelaide in March 1939, it was a very different institution from the present. There were few buildings and a comparatively small number of staff and students. The number of faculties was small but students were able to participate in inter-faculty debates and sporting activities and become well known in this relatively small community.

Mathematics and Biology as well as the Humanities were housed in the Mitchell Building. I can recall sitting for an examination in the former library on the western end of the first floor of the building. Until the Benham Building was completed in late 1939, Botany lectures were held in the Mitchell Building with students sitting on splintery wood seats. WEA book shop was on the lower level.

When war was declared in August 1939, there were considerable changes with some courses being shortened to provide the required graduates for service abroad and for essential industries. Despite the enlistments of many students and the increased pressure on the remaining ones, for a

few years Union activities continued in a limited way but Inter-Varsity sports ceased owing to travel restrictions.

Lunch time speakers and debates could be heard in the George Murray Hall, particularly at Wednesday lunchtime. No lectures took place on a Wednesday afternoon when many joined in sports practice on the University Oval.

The Refectory was the main meeting place at lunch time with staff members seated at the long top table while students were scattered at small tables or seated under the cloisters. This was also the venue for many evening meetings of societies and the occasional faculty ball. Elder Conservatorium provided lunch hour music for relaxation.

Because of petrol rationing most students used public transport or rode bicycles. Those attending Plant Pathology spent lunch times pushing bikes up Glen Osmond Rd to Waite Institute, hopefully reaching there in time to eat a sandwich before the lecturer arrived.

During the war a Voluntary Service Detachment was formed at the University. In addition to our studies, many women served in this unit, assisting as needed at hospitals, helping evacuees after the Darwin

raid and a few travelling on troop ships returning from the Middle East.

Because of the vacancies caused by the enlistment of so many women and men, many students worked part-time in industry or teaching in addition to their studies.

I graduated in Science in 1942—then taught for the next few years while my husband [Dr Bob Heddle, founder of the University's Health Service] served overseas.

As a young wife of a country doctor from late 1946, I lost touch with my alma mater for a number of years, although AFUW newsletters kept me informed of activities.

When my late husband was appointed to the staff of the University, I found it a hive of activity and a very bewildering place because of the rapid expansion in size during the post-war decades.

With three sons and a daughter as undergraduates I became involved in varied aspects of University life. Our home was frequented by students, including many from overseas. One of the most memorable occasions was the night of the Medical Students Skullduggery, held in the grounds of our home which I still occupy. It was a standing room only event that one would wish to experience only once.

I was privileged to accompany my husband on several overseas trips, visiting other universities in England, Ireland, Europe and New Zealand. I felt proud to be a graduate of the University of Adelaide, which was held in high esteem in Australia and internationally.

In 1982 following the death of my husband, who had been President of the Graduates Union, I was invited to join the committee. When the Graduates Union became incorporated in the Alumni Association I became a Foundation Member. By attending chapter meetings, excursions and various functions such as Golden Jubilee celebrations and associated dinners, I have been able to renew valued friendships with former students not contacted for over fifty years.

With expansion of the University of Adelaide to its present size and affiliation with overseas universities, the Alumni Association provides a wonderful opportunity to develop cross-cultural ties and a better understanding of our neighbours in the Indian Pacific region.

I feel that my life has been enriched by my association with the University of Adelaide and I trust that current and future students will benefit in the same way.

Equity Outreach: a taste of uni life

MAKING DECISIONS about studying at university can be one of the hardest things any high school student has to do.

That's why the University of Adelaide has been helping some students in Adelaide's northern suburbs get a taste of life on campus—to give them a better idea of what university is really like before they make the decisions that can affect the rest of their lives.

Under a project that has been running for three years now, groups of students from Paralowie, Smithfield Plains and Fremont-Elizabeth City high schools have been visiting the University to see first-hand the kind of experiences they can have.

The project, called Equity Outreach, is aimed at addressing the under-representation at university of students from low socio-economic backgrounds.

As many as 70 students from the three high schools have been coming to the University for a range of activities with students and staff since Year 10. Over that time the students have learnt a great deal about the courses on offer, how they can get into university, what to expect when they become students here, and what careers their study can lead them to.

The most recent seminar

was held late last month, with the students now half way through Year 12. The main feature of this seminar was a Career Panel, which included former University of Adelaide graduates who have successfully established their careers in the northern suburbs.

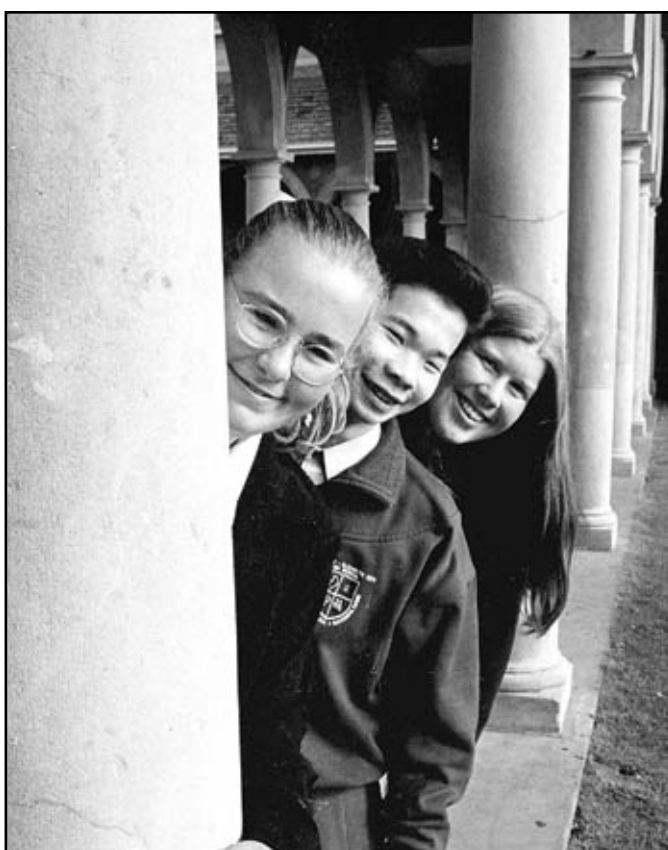
Kristy Willett, a Year 12 student from Paralowie High School, said the Equity Outreach project had been extremely helpful.

"The project does have a big influence on you because it helps you make decisions about whether you want to go to uni, which uni you want to go to, what they have on offer—that kind of thing.

"I've always had the basic idea that I would go to university, but for a long time I thought teaching was all I wanted to do. Now I'm considering things like Psychology, Law... I want to start with a Bachelor of Arts, do subjects like English, Geography and History, and then decide where I want to go from there," she said.

Kirstie Swindley from Smithfield Plains High said the Equity Outreach project has shown that "uni's not as scary as I thought".

"This project has influenced my decision because it's made it a lot easier to understand how things



Looking around the corner - Year 12 students (from left) Kristy Willett, Kim Duong and Kirstie Swindley. Photo: David Ellis

work at uni. I thought it would be hard, but it's quite easy once you see what it's like here," she said.

Kim Duong from Fremont-Elizabeth City High is thinking of studying Accounting. He's another student who has benefited from the project.

"This project has helped me learn more about university, how to get in, what to do as a student.

The first time I came here I didn't know anything about university, so I really learnt a lot," he said.

The Equity Outreach project is an initiative of the University of Adelaide's Equal Opportunity Office. For more information contact Jane Copeland on 8303 4254 or the Project Coordinators on 8269 6651.

—David Ellis

Forum hears ideas on trimester options

THE UNIVERSITY OF ADELAIDE is exploring the introduction of a third study term in the academic year.

The Vice-Chancellor, Professor Mary O'Kane, told a forum of 100 academic staff recently that in a climate of decreasing government funding, a trimester system was one option for raising University revenue.

"We have to face the fact that we need to be able to pay world-competitive rates and provide world-competitive conditions to our staff," she said.

"The idea of a trimester system is an important dialogue we have to have."

The Deputy Vice-Chancellor (Education), Professor Penny Boumelha, said 27 Australian universities, including several of the Group of 8, already had some form of summer study program.

She said a trimester system would aim to:

- provide greater flexibility of

entry and exit points for students

- maximise the use of University resources
- achieve a better "fit" with the academic year in the northern hemisphere
- enable students to finish their degrees more quickly on a voluntary basis
- improve coordination of services to students in the areas of lifelong learning and professional training, and
- increase the University's earning capacity through its core activities.

Professor Boumelha said it was essential that a trimester system did not lower the quality of existing teaching or increase staff workloads.

Academic staff would probably be expected to participate in only two of the three study terms.

She said three of the models to be considered were a summer program of non-award courses lasting about six weeks; an intensive program of

award subjects targeting repeat and other students on a fee-paying basis; and a formal, fee-paying optional third study term.

Professor Boumelha said many issues needed to be addressed in considering a trimester system.

These included restructuring the academic program, leave and workload management, selection and admission procedures, administrative processes, quality assurance and budgetary issues.

"It may be desirable to look at a phased introduction, starting with a relatively small summer school," Professor Boumelha said.

"But the fact that so many universities have found it possible to proceed (with a trimester system) suggests that we can do it too."

Staff are invited to submit ideas and comments to Professor Boumelha through her Senior Executive Officer, Mr Gary Martin, gary.martin@adelaide.edu.au

—John Drislane



Green Paper blues

The Federal Government has finally released its long-awaited Green Paper on research and research training. Entitled "New Knowledge, New Opportunities", the paper reads well at first. Issues which have caused concern in early drafts—the future of peer review and of the Australian Research Council—are addressed early. Peer review is affirmed as the proper mechanism for assessing high quality research; the future of the ARC as a research-funding body is a central plank of the paper. And there are other good things in the scene-setting early chapters. The importance of internationally competitive research undertaken in Australian universities is acknowledged, as is that of research concentration. Furthermore the paper asserts the need for research training to be carried out in a high quality research environment. The economic spin-offs of nurturing the research base in our universities is emphasised. Big tick. The scene setting and the principles seem fine.

When, however, one looks at the proposed funding mechanisms, a profound mismatch between these principles and the likely outcomes is quickly revealed. While the ARC is maintained as an independent granting body it will actually lose funds. It will no longer be involved with research training and Small Grants will be abolished. Mechanisms for guaranteeing the ARC access to future funding and interaction in the Federal budget process are not addressed at all. So there is a real danger that the ARC could become a small, irrelevant voice. I believe formal mechanisms must be spelt out in order to guarantee the continuation of funding for high-quality university research.

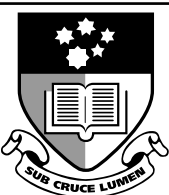
Perhaps the most interesting of the new arrangements proposed is the creation of two new schemes to be operated by the Department of Education, Training and Youth Affairs. These schemes, to be called the Institutional Grants Scheme and the Australian Postgraduate Research Student Scheme, are programs which provide some general support to research and research training, and fund research training places in universities.

Despite the rhetoric about research concentration in the first part of the Green Paper, these mechanisms would spread the research and research training dollar more thinly. (Adelaide would lose approximately \$1.5 million in the first instance if the formula in the paper were applied.) There seems to be no mechanism to connect high quality research training with high quality research. And in the formula which determines the allocation of public funding, research-related income is no longer weighted differently according to source, public or private. In other words, underlying the new mechanisms is the message that Government wants increasingly to shift the burden of funding research in universities out of the public sector. Obviously this doesn't sit well with trying to enhance Australia's already high research output.

This is another case in which stated principles might be laudatory but many devils are in the detail. Our job now is to ensure that these devils are very firmly exorcised, and that research funding programs which will achieve the paper's vision are put in place.

MARY O'KANE

P.S. Thanks for all the positioning line suggestions.



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Toxic Nanny stereotype a backward step

MOVE OVER, *Mary Poppins*—there's a new nanny in town.

The Toxic Nanny, that is.

Not content with simply looking after the children and carrying out domestic chores, this nanny wants power, revenge, and... daddy. Evil to the bone, more than happy to wreak havoc on the average family to serve her own twisted needs, the modern-day nanny is a real killer.

At least, that's what the movies would have you believe.

According to University of Adelaide English lecturer Dr Joy McEntee, the cinematic representation of nannies over the years has not been pretty. And even worse, she believes the image created of nannies in the movies has affected the way the public views real-life nannies and the families who hire them.

Dr McEntee, who was herself a nanny while studying for her PhD, recently presented an English seminar called "The Turn of the Shrew: Domestic Surveillance and the Toxic Nanny in the Movies".

"That the nanny can be 'toxic' is old news for movie spectators," Dr McEntee said.

"In *The Hand that Rocks the Cradle* (1991), *The Nanny* (1965) and *Don't Bother to Knock* (1952), nannies sow seeds of doubt, suspicion and insecurity which poison the lives of families forever."

With the exception of *Mary Poppins* (1964), she said movies very rarely show nannies in a good light, "unless mummy is dead". This is because, in most cases, the nanny poses little risk to the family structure when the mother is out of the picture.

But what happens when the mother is still around?

"In these cases, the mother is portrayed as a 'shrew'—a turbulent, unquiet wife—a woman not content to stay home and mind the kids," Dr McEntee said.

"In many films the nanny is shown to be 'reproductively disabled' or unable to establish her own family, and so she tries to incorporate herself into the family for which she's working."

This ignores the fact that many real nannies are professionals who work in order to make money, not to take over other people's families.

"The movie stereotype is that the nanny is not a professional, she's just too stupid to do other work. And if she's not stupid, she's too suspect to hire."

Dr McEntee said this view of nannies fits women into a particular "narrative slot" which the news media have been quick to pick up on.

"In recent news reports, the nanny has emerged as a dangerous figure—an untrustworthy creature who, left unsupervised, can do devastating physical damage to a child.



Killer nanny Peyton Flanders (Rebecca De Mornay) with young Emma Bartel (Madeline Zima) in the 1992 Hollywood Pictures release "The Hand That Rocks The Cradle".

"Paranoia generated by cases like those of Louise Sullivan and Louise Woodward has even been used to open a market for a new surveillance device: the Nanny Cam."

This kind of paranoia about nannies and the safety of children has a number of flow-on effects for women, Dr McEntee argues.

"It makes it harder for mothers to leave the house because they're getting the message that not only are they doing something wrong by hiring

a nanny and handing over their 'maternal labour', but they could also be putting the children in the care of someone who is potentially dangerous.

"It's a step backward for women—both mothers and professional nannies—because it disenfranchises them. That's particularly disturbing in today's society, when there's a widespread need for child care," she said.

—David Ellis

More business support urged

From Page 1

"In Australia there is a relative vacuum of business support for the institutions which can make the generational change. It is the universities which, almost uniquely, can make Adelaide a better economy, a better place to live and work in the long term."

The trust aims to establish a capital fund of \$1 million, and Mr Croser presented the Vice-Chancellor, Professor Mary O'Kane, with a cheque for \$100,000 from Petaluma Ltd.

"I hope this precipitates an avalanche of like support from the friends and admirers of Ian Cocks, his life and work and from those

who empathise with the ambitions of the trust," Mr Croser said.

The trustees include Mr Cocks' widow Sue, Professor O'Kane, Mr Croser, a Senior Partner of BDO Nelson Parkhill, Mr Ian Martens, and the Managing Director of Gerard Industries, Mr Rob Gerard.

Sue Cocks and son Nick both attended the launch in the foyer of the University's Mitchell Building.

Professor O'Kane said she was "very pleased that the University can help perpetuate Ian's enthusiastic and effective role in building South Australia's economy and quality of life".

Mr Croser's election as Deputy Chancellor follows the retirement

of Senior Deputy Chancellor Mr Jim Bettison and the resignation of Deputy Chancellor Ms Janine Haines.

He has well-established links with the University through the Department of Horticulture Viticulture and Oenology and the new Wine Science Laboratory.

He was born and educated in South Australia, graduating with a Bachelor of Agricultural Science from Adelaide University in 1969.

He was President of the Winemakers Federation of Australia from 1991 to 1995 and was re-elected to that position in September 1997.

—David Washington

New Executive Dean for Humanities & Social Sciences

THE PRESIDENT of the Australian Academy of the Humanities, Professor Malcolm Gillies, has been appointed Executive Dean of the University of Adelaide's Faculty of Humanities and Social Sciences.

Professor Gillies has qualifications in Classics, Music and Education and is a noted musicologist.

He is President of the National Academies Forum and has been Professor of Music at the University of Queensland since 1992.

He was Dean of the Faculty of Music and Head of the Department of Music from 1992 to 1997.

He is also an opera and music critic for *The Australian*.

Professor Gillies will take up the position on 1 October.

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'Appalling' play up next for Guild

BEN JONSON'S *Sejanus*—is it a neglected masterpiece, or deservedly unproduced?

Written in 1603, the play is the first of two "classic curiosities" to be produced as moved playreadings by the University of Adelaide Theatre Guild this year.

Director Tim Mares says Jonson's study of Roman politics in their decline under Tiberius is "black, angry and deeply pessimistic" but also a kind of "appalling comedy" that all adds up to an "extraordinary and powerful" play.

"With the right sort of presentation it could make a very gripping couple of hours," he says.

"Its study of the predicament of well-meaning people in a deeply corrupt political system might have some meaning as the end of the millennium approaches."

Sejanus is the first leg of a Ben Jonson double from the Theatre Guild. Its full-scale production of Jonson's great comedy *Volpone* opens in the Bakehouse Theatre, Angas Street on Saturday 7 August.

Sejanus will have one performance only, on Sunday 18 July at 2.00pm in the Little Theatre.

All tickets \$5; bookings 8303 5999 or at the door.

Soup and crunchy bread available to keep the winter chills away.

Ground not the only place for greenery

ADELAIDE—a city well known for its parks and gardens—could be even "greener" if many of the city's barren rooftops were turned into gardens, according to a group of University of Adelaide students.

The students have developed a plan for a rooftop garden atop the very building in which they work: the Mawson Centre for Environmental Studies, on Pulteney Street.

The garden design was drawn up as part of last year's Environmental Futures subject coordinated by Dr Jan Carey (Geographical & Environmental Studies).

Students undertaking the subject were given the task of conducting a feasibility study and design for a rooftop garden for the Mawson Centre building. The project also required detailed information about planning and costs of creating the garden.

A group of four postgraduate students—Sally Gartelmann, Louisa Perrin, Barbara Sheppard and Jessica Walden—designed an elaborate and functional native garden which would serve as an "outside classroom".

Quiet study areas, garden beds and a nursery are all features of the design, which took into account the needs of students and staff.

According to their design, the garden would be low maintenance and require little water. A "floating level" would have to be created to take some of the weight off the building's roof, and the estimated cost of this work and establishing the garden was around \$50,000.

The students consulted Adelaide City Council regarding planning requirements and were told that gardens could be developed atop most city buildings, and planners were keen to encourage it.

"Many other places use rooftops to



The ground is not the only place for greenery, according to Environmental Studies students (from left) Sally Gartelmann and Jessica Walden. Photo: David Ellis

create gardens, and we think cities such as Adelaide could become even more beautiful thanks to gardens like this. So many spaces can be utilised within the city," said Sally Gartelmann.

"There are many benefits of building rooftop gardens, both environmental and economical," Jessica Walden said.

"Soil and vegetation have an insulating effect on buildings, making them warmer in winter and cooler in summer, and reducing energy demands. Rainwater run-off is reduced or delayed, easing the pressure on the building's stormwater system. And it's been shown that rooftop gardens can increase the lifespan of a roof because it's protected against UV rays and the damaging

effects of weather.

"Of course, creating outdoor 'green spaces' like a rooftop garden makes the city much more attractive not only to the local community but also to tourists. By using native shrubs and bushes you increase the habitat for native birds, and the plants themselves are also important in that they help counter the effects of air pollution, which is very important in a city environment," she said.

At this stage the design for the rooftop garden is still just an idea. But when the Environmental Futures subject begins again this coming semester, a new group of students will look further into the design and work to bring it closer to reality.

—David Ellis

Awards mark Aboriginal and Torres Strait Islander Week

UNIVERSITY OF ADELAIDE linguist Rob Amery has been honoured by South Australia's Aboriginal and Torres Strait Islander community for his role in reviving the language of the Kurna people of the Adelaide plains.

Dr Amery was last week named South Australia's "non-indigenous person of the year" by the National Aboriginal and Islander Day Observance Committee (NAIDOC), as part of awards to mark Aboriginal and Torres Strait Islander Week.

University of Adelaide lecturer Eddie Peters was also honoured for his contribution, being named "Mr NAIDOC" for South Australia. Mr Peters, a Torres Strait Islander, lectures in dance at the Centre for Aboriginal Studies in Music.

The pair received their awards from NAIDOC Chairperson Christine Abdulla and Lord Mayor Jane Lomax-Smith at a reception at the Adelaide Town Hall.

Dr Lomax-Smith said she was particularly pleased to see Dr Amery's work recognised because he had helped the Adelaide City Council to become more "inclusive and open in the way we manage the city".

Dr Amery, a Lecturer in the Centre for

European Studies and General Linguistics, has been a key player in the reclamation of the Kurna language.

He has utilised historic correspondence and other materials written in Kurna to analyse the grammar, produce language learning materials and even produce new and lost words based on his knowledge of the language's structure.

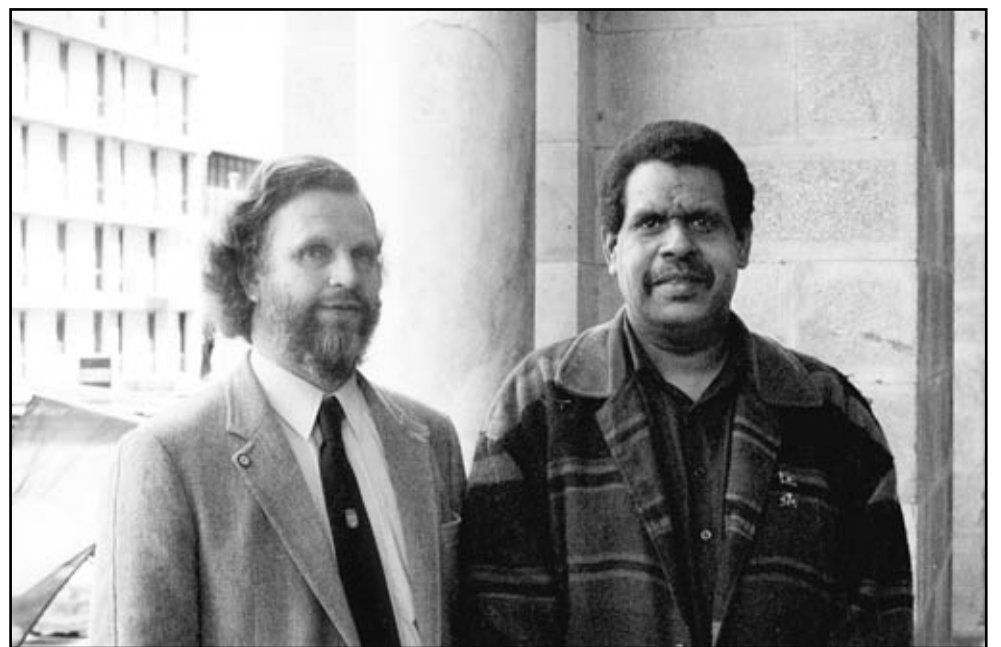
The last fluent speaker of Kurna died in 1929. Dr Amery's work has contributed to a rekindling of usage of the language over the past decade.

From obscurity Kurna language is now taught at all levels of education including at Adelaide University, becoming perhaps the first so-called "dead" language to be revived in Australia.

Accepting his award, Dr Amery paid tribute to the many Aboriginal people who had worked with him and the Kurna people who are now dedicated to revitalising their language.

"The Kurna language movement has become part of the reconciliation movement, and through the language the early history of Adelaide has begun to be recognised for the first time," he said.

—David Washington



Rob Amery and Eddie Peters—honored by NAIDOC. Photo: David Washington

ANZAAS Medal winner

The 1999 ANZAAS Medal has been awarded to Professor Donald W Watts of the University of Notre Dame, Fremantle, Western Australia.

Professor Watts has had a distinguished career as a scientist, educator, senior administrator and public figure in state, national and international arenas. He is Dean of Research and Postgraduate Studies at the University of Notre Dame, serves on the Education Committee of the Australian Council of the Academy of Technological Sciences and Engineering and is Chairman of the Board of the Western Australian technology company, Advanced Energy Systems Ltd.

Founded in 1888, ANZAAS is a key promoter of science and now has its national office at the University of Adelaide.

Change of direction proves to be a plus for Southcorp scholarship winner

A HOLIDAY JOB on the Yorke Peninsula proved a career-changing experience for George Taylor, winner of the first Southcorp Wines Scholarship.

George, a final-year Agricultural Science (Viticultural Science) student at the Waite Campus, started University life studying Mechanical Engineering at North Terrace.

"I didn't enjoy Mechanical Engineering much," he said. "I soon discovered I preferred it more as a hobby than as a study course."

"During my breaks, I began working with an agronomist friend on the Yorke Peninsula and developed an interest in horticulture."

"It was my friend who suggested viticulture."

"Halfway through the second semester, I quit Mechanical Engineering and decided to study viticulture."

"In a way it was hardly surprising: I come from the Clare Valley, I lived next to vineyards and I've been interested in biology since my schooldays."

During study breaks, George has gained valuable experience working at Jim Barry Wines in Clare.

He has also played an important part in developing the Clare Valley Winemakers Inc. Scholarship, an initiative offering students work experience opportunities locally.

As winner of the Southcorp Wines Scholarship, George receives a generous \$8,000.

"I'm very thankful to Southcorp for the award," he said.

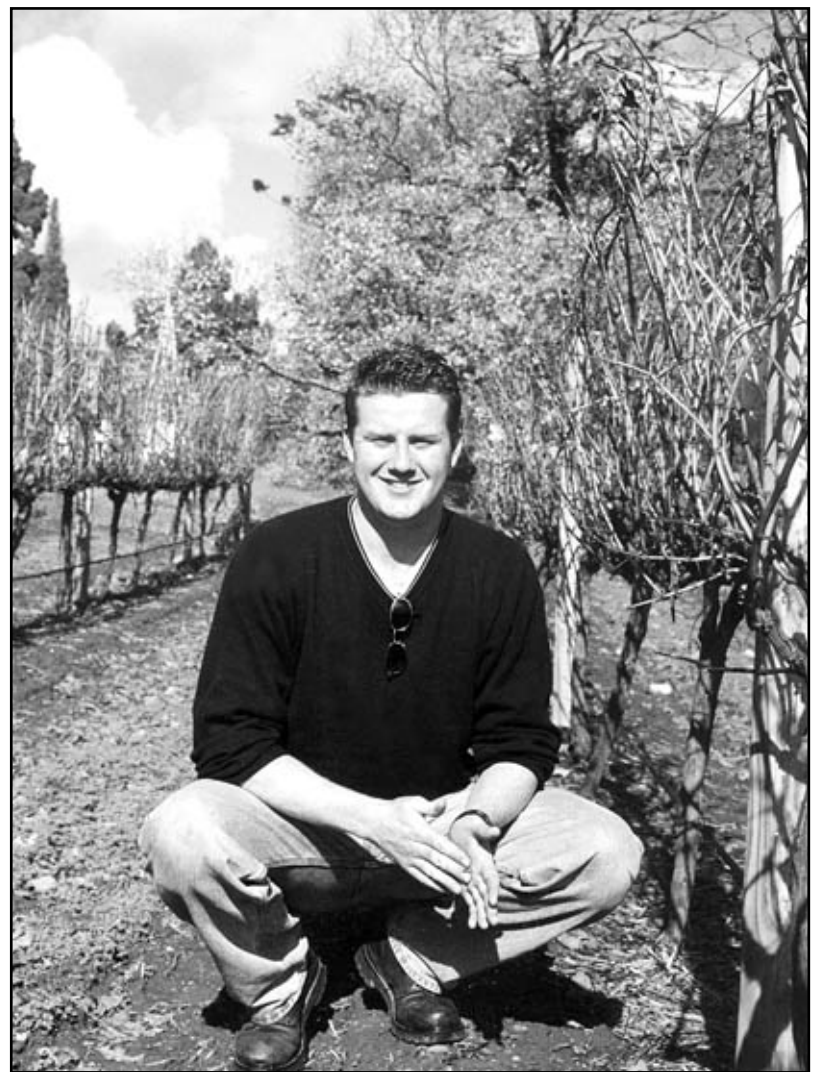
"I'm also grateful to Peter Barry at Jim Barry Wines for all his support."

After graduation, George hopes to secure a place in the Southcorp Graduate Development Program.

The program offers graduates the chance to further their viticultural knowledge and experience by working at Southcorp sites around Australia.

George's special interest is in irrigation.

For his fourth year project, he is conducting irrigation research in conjunction with the Waite-based Cooperative Research Centre for Viticulture.



—John Drislane George Taylor. Photo: David Ellis

Open Day 99: Information and achievements on show

OPEN DAY is expected to be bigger than ever this year, making the most of the University of Adelaide's 125th anniversary. The date to remember is Sunday, 1 August.

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

All this and more will be on show at Open Day, again being held at the University's North Terrace campus.

Hundreds of high school students and their families will be on campus during Open Day, which includes a Career & Course Expo in Bonython

Hall for prospective uni students.

Open Day gives Adelaide's own university the chance to demonstrate to the South Australian community its capabilities and achievements in teaching and research. It also gives the community the chance to interact with staff and students, and hear, see and experience life on campus.

Other highlights include:

- Economics: Muffin Mania! Experience the highs and lows of profit and loss by testing your skills in our simple computer simulation.

- Agricultural & Natural Resource Sciences: Chilli—test your taste buds and find out what makes chilli burn.

Olive Oil—the next oil boom. Beer Brewing—find out how food technology delivers your well-deserved treat.

- Humanities & Social Sciences: to celebrate the University's 125th taste the food and drink that was typical in South Australia in 1874. Watch a Chinese Calligraphy demonstration or write your name in an Asian language.

- Science: begin your journey into the intriguing world of science. Ask questions about the latest ideas and research. Get exposed to some of the areas of scientific research that make Adelaide a leading university.

- Architecture: visit a workshop in action, and see an exhibition of

student designs.

- Unibooks: visit us to receive cash and credit discounts.

Tours of the campus, the Barr Smith Library and the University's many venues and facilities will also be available. Learn more about how the University has played a major role in Adelaide for the past 125 years.

Roseworthy Campus will also hold an Information Day on Friday, 30 July (10am-3.30pm), while the Waite Campus will hold its Information Day on Wednesday, 4 August (12.30pm-5pm). For more information contact 8303 7910 (Roseworthy) or 8303 7337 (Waite).

Advertisement

COMMENTARY CONT...

From Page 2

We found the biggest bias to be covert, in that the system works best for the party with the greatest resources. The ruling party provides free buses, free lunches, free guides (all brightly displaying the party colours) and free "how to vote" cards to assist the illiterate majority find their correct polling booth and make their vote. While in a few extreme cases (observed by a delegate in San Salvador) the assistance of a particular ARENA "guide" actually extended to filling in the voting card for a voter, this was the exception rather than the rule.

Importantly, it was agreed that the actual vote tally was sufficiently representative of the votes cast on the day. I was pleased to note the number of independent bodies and parties who observed the process, all obtaining their own sets of numbers at the end of the vote count, providing a high degree of transparency and independence. Thus, while reform is still needed, at least one important step in the democratic process seems to have been reached.

Perhaps the most significant issues are

that, in our voting precinct, only about 20% of the estimated adult population actually cast their vote. Nationally the figure was about 30%. It is estimated that about 60% of the population are of voting age.

The most positive sign for the 1999 election is that it was the least violent election in the history of the country, with only one recorded case of physical violence. The behaviour of the police was also generally positive, with the police demonstrating willingness to act against the ruling ARENA party, even arresting three politicians from the party for voting twice.

The local non-government organisations emphasised to us the ongoing need for international observers in El Salvador to work with them, as our delegation had done. When I volunteered to become an observer, I wanted to learn first hand about the democratisation process in El Salvador, and in some small way make a contribution toward that process. The trip exceeded my expectations and is an experience I will never forget.

—Dr Gus Nathan
Senior Lecturer

Department of Mechanical Engineering

Alumni Activities

WHAT'S APPLIED AND MOLECULAR ECOLOGY?

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

Professor Otto Schmidt and his colleagues will present a lively overview of the work done by the Department in the science and management of organisms in natural and agricultural ecosystems.

Visitors will see the Department's facilities and hear presentations by staff about the management of pests ranging from koalas to weeds to parasitic wasps.

The new Department, which incorporates the former Department of Crop Protection, teaches an integrated approach to the management of pathogens, insects, vertebrates and weeds, and the management of ecosystems.

The Department also coordinates a wide variety of research programs that deal with the biology and ecology of organisms and selected roles of humans in the functions of ecosystems.

To help with planning, please telephone the Alumni Office to make a booking: 8303 5800.

Enter the main building at Waite Campus through the Waite Road entrance and meet in the Lobby.

All graduates and friends of the University are welcome.

This activity is offered by the Alumni Association but you do not have to be a member of the Alumni Association to take part.

ACTIVE NOISE CANCELLATION

AS OUR world gets noisier, what could be more useful than a way of cancelling noise out? Can we actively cancel noise by creating an "anti-noise"?

The Alumni Association invites everyone to a presentation by Professor Colin Hansen and his colleagues at the Department of Mechanical Engineering on Tuesday 27 July, 7:00pm - 9:00pm.

Professor Hansen has been conducting research in the area of active noise cancellation for the past ten years.

He will lead a presentation about the principles and applications of active noise cancellation, which will include demonstrations of active noise cancellation by postgraduate students who are working towards doctorates on the subject.

This presentation will begin in the HH Davis Room (room S117) on the first floor of the Mechanical Engineering Building (Engineering South).

To assist with planning, please telephone the Alumni Office on 8303 5800 to make a booking.

This activity is free, and all graduates and friends of the University are welcome.

Bloomsday celebrations in Adelaide

STAFF, students and alumni all got in on the act to provide a unique evening of entertainment on Bloomsday, 16 June.

Every year the work of Irish novelist James Joyce is celebrated on Bloomsday, the day in 1904 when Joyce first went out walking with his future wife Nora Barnacle.

Mr Adrian Kavanagh, the president of the Friends of Willunga and Aldinga Libraries, organised a Bloomsday celebration at Mick O'Shea's Irish Pub, Hackham, starting with breakfast and readings at 7.30am and culminating in a 1904-style dinner.

Staff and students from the University's Elder Conservatorium School of Performing Arts contributed to the entertainment at Mick O'Shea's, in part due to the work of Music graduate Ms Jane Wilson.

In 1972, when carrying out research for her Masters degree, Ms Wilson had gained access to *The Joyce Book* in the Rare Books Room of the Cambridge University Library. *The Joyce Book*, published in 1933, contains songs set to some of Joyce's poems. Ms Wilson copied the songs and brought them back to Adelaide where, 25 years later, they came to the attention of Mr Keith Hempton, the head of the Vocal School at the Elder Conservatorium.

Mr Hempton told Adrian Kavanagh about the book and the songs, which were provided by some of the foremost composers writing art songs between the two World Wars. The composers had donated the songs to help raise



(From left) Samantha Rubenhold, Anne Adamek, Keith Hempton and Lindsey Day at Mick O'Shea's Irish Pub. Photo by Jane Wilson.

funds for Joyce. Herbert Hughes had produced the book, which was itself a work of art. It included an ink sketch of Joyce by Augustus John and was bound in royal blue hand-woven silk. *The Joyce Book* was published by Oxford University Press and 450 copies were sold by subscription at two guineas each.

With the help of Ms Anne Adamek, lecturer in Vocal Repertoire at the Elder Conservatorium, and at the encouragement of Mr Kavanagh, Mr Hempton organised a performance of 10 of the 13 songs as part of the entertainment for

the Bloomsday dinner.

Keith Hempton, bass, sang three of the songs (by John Ireland, Edgardo Carducci and Eugene Goossens); Lindsey Day, a tenor graduate of the Conservatorium, sang four songs (by EJ Moeran, Arthur Bliss, George Antheil and CW Orr); and Samantha Rubenhold, a soprano honours student, sang three songs (by Arnold Bax, Albert Roussel and Herbert Hughes). The demanding piano accompaniments were played by Anne Adamek.

—Jane Wilson

Alumni in Queen's Birthday Honours list

CONGRATULATIONS to the following alumni who were recognised in the recent Queen's Birthday Honours List:

• Member in the General Division of the Order of Australia (AM)

Mr Robert Denyer Cheesman (BArch 65): for service to architecture and the architectural profession, particularly through the Royal Australian Institute of Architects.

Mr Nicholas Niarchos (LLB 70): for service to the Greek community of SA through groups providing social welfare, cultural, educational and sporting programs.

Also awarded an AM was Mr Brian Burns who, while not an alumnus of

the University, has a close association with the University—for service to the administration of medical and veterinary science, to the University of Adelaide and to the community.

• Medal in the General Division of the Order of Australia (OAM)

Mrs Elspeth Mary Doman (BA 45): for service to the Art Gallery of South Australia Foundation, particularly through the organisation of fundraising events, and to the St John Ambulance.

Mr Ian Arch Fletcher (BMedSc 71, MBBS 74): for service to medicine, particularly as a surgeon in the Port Lincoln and Eyre Peninsula areas of South Australia.

Mr Hugh Fletcher McEwen (BSc 72): for service to athletics as a coach and technical adviser in the Oceania region.

Mr Jack Mackay Nobbs (BSc 44, MSc 51): for service to Hockey in South Australia as a player, coach, manager and administrator.

Mr Ian Ronald Oliver (RDA 57): for service to regional and economic development in the Riverland area, and to the community of Waikerie.

• Public Service Medal

Mr Paul Maxwell Wilton (GradDipEd 92): for outstanding public service and innovation in the field of education.

FICTIONAL FORCES?

The Science and Mathematical Sciences Chapter invites all members and friends to a public lecture to be held in the Rennie Lecture Theatre on Wednesday 28 July at 7:30 pm. Dr Mike Ford will present an illustrated lecture about 'fictional forces' in the world of physics.



THE UNIVERSITY OF ADELAIDE LIBRARY

Barr Smith Library Tours

The Barr Smith Library is offering free 30 minute guided tours on the first Thursday of every month.

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, on 8303 3706 or email <josborn@library.adelaide.edu.au>. Maximum of 12 per group.

Rhodes Scholarship for 2000

The Rhodes Scholarship is open to both women and men and is tenable at the University of Oxford for two years in the first instance.

The scholarship provides for the payment of the scholar's College and University fees as well a stipend of 720 Pounds Sterling per month.

Candidates must be Australian citizens resident in Australia for at least five of the last ten years and have passed their eighteenth birthday but not reached their twenty fifth birthday by 1 October 1999.

Intending candidates should contact the Honorary Secretary for application forms and further information as soon as is possible.

Applications, 1999 for 2000, close with the Honorary Secretary of Selection Committee for South Australia at 5.00pm on Wednesday 1 September 1999.

GEOFFREY SAUER
Honorary Secretary

Many benefits to flow from new Melanoma Unit

SKIN CANCER patients in South Australia—and the rest of the world—are set to benefit from a new venture which draws together expertise in the research and treatment of melanoma.

The Adelaide Melanoma Unit, a joint initiative of the University of Adelaide and the Royal Adelaide Hospital (RAH), was officially opened this month by South Australian Human Services Minister Mr Dean Brown.

The Unit, based at the RAH, takes a multidisciplinary approach to the research and treatment of melanoma, bringing together the fields of general surgery, plastic surgery, medical oncology, radiation oncology, dermatology, pathology, nuclear medicine, epidemiology and palliative care.

Members of the Adelaide Melanoma Unit already have close ties with other centres in Australia and around the world, such as the John Wayne Cancer Institute in California, which will result in an even greater level of collaboration on research and treatment issues.

Australia has the highest rate of melanoma in the world—it is the fourth most common cancer in men and the third most common in women. In both sexes it accounts for around 8% of the total cancer incidence. Melanoma rates are also increasing world wide by about 4% each year.

The Director of the new Adelaide Melanoma Unit, Dr Brendon Coventry (University of Adelaide Department of Surgery), said the Unit was an important step forward. It will complement the RAH Cancer Centre directed by Clinical Professor Ian Olver and the Surgical Oncology Unit

headed by Associate Professor Grantley Gill.

"The University of Adelaide's Department of Surgery has been involved in vaccine research and melanoma treatment for almost 15 years now.

"We began to realise that in order to make our work truly beneficial to patients, we needed to involve as many groups within the hospital and the University as we could," Dr Coventry said.

This collaborative effort has many benefits for the patients, the medical profession and the community, he said.

"First of all, it's very much focused on finding out what's best for the patient. Having a wide range of expertise coming together in this way is much greater than what we could offer patients as individuals. So now when a patient is referred to us, we can give them a much more considered opinion on the best path of treatment they should take.

"Secondly, the collaboration is of enormous benefit to research and teaching. Through the Adelaide Melanoma Unit, we can take a more coordinated approach to researching melanoma, and we can take advantage of new trials of vaccines or state-of-the-art treatments which are being developed elsewhere in Australia or the world. We can then offer patients entry into these research trials, with the benefits eventually being passed on to other patients.

"Coming together as a single Unit also enables us to conduct education at all levels—for undergraduate students, people in the medical profession, and for the public. So we can expand the



Professor Charles Balch speaks from the John Wayne Cancer Institute in California to a melanoma seminar group in Adelaide. Photo: David Ellis

knowledge and understanding of melanoma treatment, as well as the message about prevention, much more effectively.

"And the fourth major benefit of having this Unit is that, for the very first time in Adelaide or South Australia, we've set up a support group for melanoma patients," Dr Coventry said.

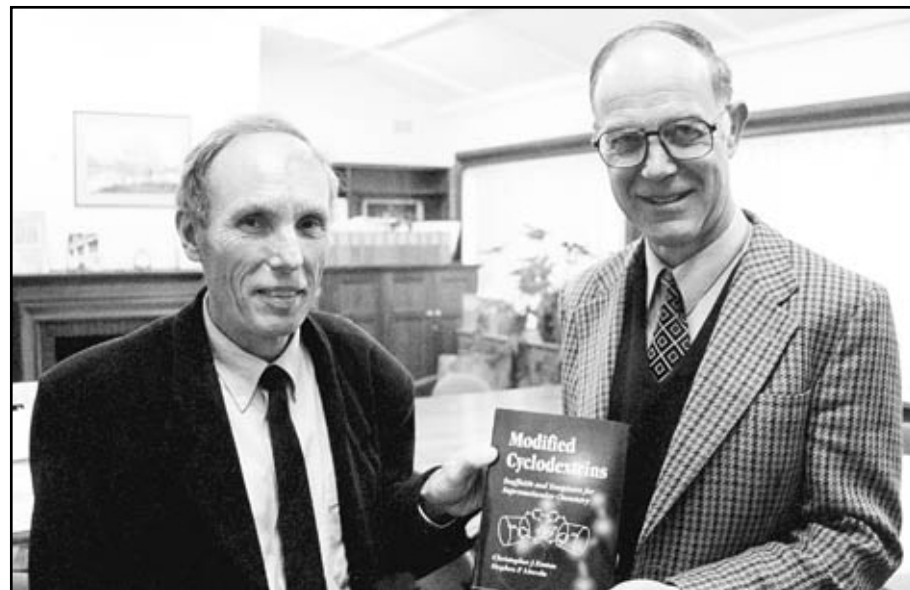
"It's very important for patients to be aware that there are others out there who have suffered melanoma and got through it. The patient support group has now been established with the help of the Anti-Cancer Foundation, through the effects of patients

and their families."

The Adelaide Melanoma Unit was launched at a seminar on melanoma treatment involving about 100 medical practitioners from around Australia and New Zealand, including members of the Sydney Melanoma Unit.

The seminar included a videoconferencing link-up with Professor Charles Balch and Professor Donald Morton at the John Wayne Cancer Institute, who presented the latest findings on research into melanoma treatment techniques.

—David Ellis



Chemistry book

THERE'S A NEW addition to the Barr Smith Library's shelves—a textbook co-authored by University of Adelaide Chemistry Professor Stephen Lincoln.

The book, an advanced treatise on the field of Supramolecular Chemistry, is co-authored with Dr Chris Easton of ANU and published by Imperial College Press.

Professor Lincoln presented a copy of his book to the University Librarian, Mr Ray Choate (pictured, left). Mr Choate said copies of all textbooks authored by University of Adelaide staff are kept on file at the library.

Wormholes + warp drive

They're normally associated with science fiction—but on July 14, *Wormholes, Warp Drive and Negative Energy* will form the basis of a fascinating public lecture at the University of Adelaide.

Presented by American physics expert Professor Larry Ford (Tufts University, Massachusetts), this free public lecture discusses the theory behind such ideas as 'traversable wormholes', which would act as tunnels to otherwise distant parts of the universe, and 'warp drive', which would allow travel at speeds faster than light.

Where: Union Hall, University of Adelaide. When: 7.30pm, Wednesday, July 14. Admission is free - all are welcome.

ACCOMMODATION

CITY: Person to share modern city townhouse, fully furn, all mod cons, Hutt St precinct, walking distance to Uni & CBD. Avail 30 July. \$87 pw. Ph 8224 0770.

FLAT: Close to Waite Campus, 1 br, fully furn, bond & ref required. \$87 pw. Ph 8271 3386.

MODBURY: Short term housing available suitable for visiting academic with family. 4 br house, fully furn, close to O-Bahn, possibility of car can also be negotiated. Avail mid Dec - mid Apr. Ph Elita or Andrew 8263 5404 or email: <epartoso@mail.rah.sa.gov.au>.

NORTH ADELAIDE: Fully furn, 3 br mod house, suit-

able for visiting academics (Aug - Jan 2000). Walk-in robe, ensuite bathroom & spa, 2nd bathroom, r/c air cond. Ph 8239 0436.

NORTH ADELAIDE: Townhouse, unfurn, 3 double br, double l-u garage, ducted r/c air cond, alarm, contemporary, spacious & light. Now avail. \$330 pw. Ph/fax 8361 7275 or email: <walvyy@telstra.easymail.com.au>.

WANTED: Visiting academic seeks house/flat rental for Aug 99. Ph Wesley Pue 0413 795 632 or email: <wespu@hotm.com>.

WANTED: Visiting professor with young children require fully furn, 3 br house from 31 Aug - 1 July 2000). Close to kindergarten, in quiet area.

ADELAIDEAN CLASSIFIED

Prefer Daw Park/Darlington/Secombe Heights/Brighton or surrounding areas. Email Fiona <secret@adl.clw.csiro.au>.

WANTED: Visting academic and family seek fully furn, 3-4 br house near Waite Campus from Sept 99 - July 2000. Ph Lisa Pietsch 8303 7423 or email: <lpietsch@waite.adelaide.edu.au>.

WANTED: Visiting academic and wife seek house or flat preferably furn from 1 Sept for approx 15 weeks. Caring tenants, refs avail, prepared to house-sit. Email <c.mclay@waikato.ac.nz> or <mclay@hotmail.com>.

WEST BEACH: Fully self contained & fully furn townhouse 2 br, 2 bathrooms plus study or 3 br/nursery. Magnificent sea views. Avail immediately. Ph Anne 8400 8178 or 8377 0936.

FOR SALE

HONDA CITY: 1986, 5 speed manual, red, 117,000km. WGX 889. \$2,000 ono. Ph 8362 7275.

MAGNA: TM, air cond, tow bar, mechanically A1, new tyres & brakes, excellent cond, 180,000km. UTM 818. \$3,500 ono. Ph 8381 8975 or 0411 862 025 or email: <rsrukla@tpg.com.au>.

ROAD BIKES: 12 spd, good cond, front light incl 53cm Repco, 10 years old, shimano components, helmet, gel seat, carrier, toe clips, regularly serviced, (owner 5'4 female), \$140. 59cm Ricardo, shimano gears, (owner 5'11 male), \$100. Ph 8333 2746 or email: <eoyoung@mail.rah.sa.gov.au>.

SUBARU STATION-WAGON: 4WD, 1984 model, good cond, no rust, air cond, bullbar, towbar, roofrack. VGL 486. \$4,000 ono. Ph Vera 0417 854 319 or 8349 5715 (ah).

MISCELLANEOUS

CHILD CARE: Reliable, references available, own transport. Ph Rebecca 8262 5134, please leave message if

answering machine is on.

RESEARCH Writing (published author), editing, proofreading, epidemiology tutoring, high quality work. \$25 per hour. Ph Graham 8332 7887.

WORD PROCESSING: Formatting of WP on disk, including IBM/PC and Mac MS Word amongst others. Laser printing; after hours service; quick turn around; city centre location. Ph Anne Every for a guide to services and costs 8212 6869 or 8415 7866.

WORD PROCESSING: Fast and accurate, 15 years experience working as a temp. Good rates. Free pick-up and delivery. Ph Trisha for more information 8232 4841.

Bulletin Board

JULY 12, 1999

THE UNIVERSITY OF ADELAIDE

PAGE 1

University presentation folders and crests

The Media, Marketing & Publications Unit has new University of Adelaide presentation folders available for a cost of \$2.50 each. The folder features the lion on the Bonython Hall. They are ideal for information kits/packages for special visitors, job applicants, etc. Purchase orders to Media, Marketing & Publications, enquiries to 8303 5174 or email: <puesan.ng@adelaide.edu.au>.

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

Australian Chemical Trauma Alliance Inc

The Australian Chemical Trauma Alliance (ACTA) will be holding its 1999 conference at the University of New England, Armidale NSW on the 13, 14, 15 August. The focus of this conference will be the effects of chemical exposure on children. This will encompass the behavioural, psychological, physical, genetic, educational, legal and social aspects and will address environmental disorders.

The guest speakers will include the esteemed Dr Gunnar Heuser who runs a specialist clinic in California, USA. Dr Heuser has been Assistant Professor of Medicine at the University of California, Los Angeles School of Medicine since 1970.

The **Sunday Expo** will be an information day where all support groups of environmental illness and/or children's disorders will be invited to present table displays and, where possible, presentations including discussions with the public. There is no charge.

Enquiries: Tracy Brown, tel & fax: (02) 6772 0066. Email: <acespade@northnet.com.au> or visit our web site at: <<http://www.ozemail.com.au/~actall>>.

ENVIRONMENTAL BIOLOGY

4WD Field Trip Guidance Package Sessions

Familiarisation and driving experience for University staff and postgrad students involved in field work. Improve your knowledge about our 4WD vehicles and make your field trips safer. Learn how to reduce environmental impact from driving. Make your field trips more efficient and enjoyable.

Session dates 9 or 10 September 1999. Half day familiarisation session or full day session includes driving experience.

Need more 4WD field trip experience with sand driving?

Trip follows part of the old Gold Escort route South of Taillem Bend. The trip continues via our field site in Ngarkat Conservation Park. Saturday 11 September, leaving at 8.00am from gate 8 Victoria Dr. Return around 8.00pm.

Charge \$40 per person. Light lunch included. Department vehicles will be accompanied by experienced 4WD Environmental Biology Department field staff. Drivers must have application form for permission to drive University vehicles completed and approved.

Tagging along with us in your own vehicle is fine provided your trip is deemed private and not for University business. Convoy limit 4, vehicles need UHF radio. There is no charge for tag along vehicles.

Register interest, bookings and payment: Contact David Ladd at Environmental Biology, tel 8303 4558 or mobile 0408 089 340, email: <david.ladd@adelaide.edu.au>, alternatively, Environmental Biology office, Marilyn Saxon tel 8303 4458. Check our web page for more information: <<http://www.science.adelaide.edu.au/botany/staff/4wd.htm>>.

Social Phobia Research Study

Are you bothered by excessive shyness, timidity, fear of embarrassment of speaking in front of people? Do you often fear rejection? Do these fears cause you to avoid relationships or activities? Are they distressing to you?

Do you have problems with any of the following:

- Are easily hurt by criticism
- Few close friends outside of your family
- Unwilling to get involved with people unless certain of being liked
- Avoid social or occupational activities that involve significant contact with others, especially strangers or people in authority
- Avoid social situations because of a fear of saying something inappropriate or foolish, or being unable to answer a question
- Fear of being embarrassed by blushing, crying, shaking or appearing anxious in front of people
- Exaggerate the possible difficulties, dangers or risks involved in doing something outside your normal routine

We are seeking individuals to participate in a study. To register your interest or for further information, call Dr Nick Potts at the Queen Elizabeth Hospital on 8222 7062.

LINCOLN COLLEGE

Affiliated with University of Adelaide

Second Semester Accommodation

Application are invited from students wishing to take up full-board residence in Lincoln College for second semester 1999.

Students live in comfortable single study bedrooms with telephones. College facilities include a library, music rooms, laundries, weights room and a modern computer laboratory. Network connections in all rooms link with the University's network and the Internet.

The College provides active support for learning, the development of a vibrant community and personal growth. 14 tutors provide a wide range of disciplines and organise mentoring. The Student Club organises social, cultural and recreational events throughout the year.

Tel (08) 8290 6000 or write to: The Principal, Lincoln College, 45 Brougham Place North Adelaide SA 5006. Email: <admin@lincoln.college.adelaide.edu.au> or visit our web site at: <<http://www.adelaide.edu.au/Lincoln/>>.

DINNER

The Humanist Society of SA is holding a dinner on Friday 30 July 1999 at the Norwood Function Centre. Tickets \$27 (including buffet meal) call 8255 9508. Proceeds to the Don Dunstan Foundation.

MONDAY 12 JULY

11.00am European Studies Seminar: The Legacy of the Holocaust and German National Identity by Professor Hans Mommsen (Ruhr University Bochum). Room 723, Hughes Building.

TUESDAY 13 JULY

12noon Child Health Research Institute Seminar: Metabolic Genotype and Colorectal Cancer by Professor Ian Roberts-Thomson (Gastroenterology, QEHL). Seminar Room, 7th Floor, Rieger Building, WCH. Light refreshments provided.

12.30pm General Practice Seminar: Men's Health Issues by Alan Spriggs. Room 27, Level 2, Eleanor Harrald Building, RAH. Bring your lunch.

8.00pm Centre for European Studies and General Linguistics Public Lecture: Nuremberg as an Aesthetic State: "Die Meistersinger" - Image and Counter Image of History by Professor Dieter Borchmeyer (Germanistic Institute, University of Heidelberg). Bragg Lecture Theatre, Ground Floor, Bragg Building. RSVP: Professor Brian Coghlan, tel 8303 5637 or fax 8303 5241.

THURSDAY 15 JULY

1.00pm Chemical Pathology

COMING EVENTS

July 12th — July 23rd

Seminar: Palliative care of Sanfillipo patients by Sarah Fleming (Paediatric Nurse Consultant). Seminar Room 1, 4th Floor, Rieger Building, WCH.

SUNDAY 18 JULY

2.00pm Theatre Guild: Moved playreading of Ben Jonson's *Sejanus*, directed by Tim Mares. Little Theatre. \$5 at the door or book 8303 5999..

MONDAY 19 JULY

1.10pm History Staff/Postgraduate Seminar: The United States and Turkey in the Post-Cold War Era by Professor Van Coufoudakis (University of Indiana, Purdue University, Fort Wayne, USA). Rm 420, 4th Flr, Napier.

6.00pm Centre for Intercultural Studies & Multicultural Education Seminar: The United States, Greece, Turkey and Cyprus in the Post-Cold War Era by Professor Van Coufoudakis (Political Science, Indiana University, Purdue University, Fort Wayne, USA). Council Room, Level 7, Hughes Building. Refreshments from 5.30pm. Enquiries Mariusz Kurgan, 8303 5788.

THURSDAY 22 JULY

9.15am Advisory Centre for University Education Workshop: Active Learning in Lectures, presented by Assoc Professor R Cannon. ACUE Seminar Room, 6th Floor, Hughes Building. 12noon close. Enquiries Lynn Bradshaw, 8303 5771 or email: <lbradshaw@acue.adelaide.edu.au>.

12noon HCCR/IMVS Seminar: Identification of novel cell cycle inhibitors using a Drosophila genetic screen by Dr Helena Richardson (Wellcome Senior Research Fellow, Department of Genetics). Verco Theatre, IMVS.

1.00pm Chemical Pathology Seminar: Pathogenesis and Prevention of Pneumococcal Disease by Dr James Paton (Department of Microbiology, WCH). Seminar Room 1, 4th Floor, Clarence Rieger Building, WCH.

FRIDAY 23 JULY

1.00pm Biochemistry Seminar: Epigenetic effects on gene expression in mice by Dr Emma Whitelaw (Senior Lecturer, Department of Biochemistry, University of Sydney). Room 209, 2nd Floor, Darling Building.

4.00pm Obstetrics & Gynaecology Seminar: New insights about lung maturation by Professor Alan Jobe (Division of Pulmonary Biology, Children's Hospital Medical Center, Cincinnati, Ohio). Seminar Room, 6th Floor, Medical School North.

SITUATIONS VACANT

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

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

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

CLINICAL DIRECTOR

SENIOR LECTURER LEVEL C (Ref: 3209)

Dental School

Colgate Australian Clinical Dental Research Centre

Salary: \$59,332 - \$68,415 + Dental loading of \$7,976

This fixed-term position is available from August 1999 for up to three years initially. Further information from Assoc Professor L Richards, Dental School, tel 8303 3296, fax 8303 3444.

COMPUTING OFFICER

(Ref: 2761)

Faculty of Health Sciences

Salary HEO6: \$38,751 - \$41,959

This continuing position is available immediately. Further information from George Travan, Manager, Faculty Information Technology, tel 8303 6108, fax 8303 3788 or email: <george.travan@adelaide.edu.au>

PERSONAL ASSISTANT

(Ref: 1909)

Office of the Deputy Vice-Chancellor (Research)

Salary: HEO 5: \$34,610 - \$38,619 or HEO 6: \$38,751 - \$41,959

The successful applicant will be appointed at a level appropriate to their qualifications and expertise.

This fixed-term position is available immediately.

Further information may be obtained from Sharna Pearce, Office of the Deputy Vice-Chancellor (Research) tel 8303 5665.

EMBRYOLOGISTS

(Ref: 3224) (3 Positions)

REPRODUCTIVE MEDICINE UNIT

Salary HEO4/HEO5: \$30,736 - \$33,808/\$34,610 - \$38,619

Successful applicants will be appointed at a level appropriate to their qualifications and relevant experience. All positions are available until 28 February, 2000 in the first instance with annual renewals anticipated.

Further information may be obtained from Rita Clayton, tel 8222 6788, fax: 8222 7521 or email: <rita.clayton@adelaide.edu.au>.

SOUTH AUSTRALIAN TERTIARY ADMISSIONS CENTRE (SATA)

INFORMATION OFFICER

(Ref: 3382)

Salary HEO3: \$26,725 - \$30,467

This continuing position is available immediately. Further information may be obtained from Greg Coote, tel 8224 4060.

SOUTH AUSTRALIAN TERTIARY ADMISSIONS CENTRE (SATA)

CASUAL ASSESSORS

Salary: Casual rates at HEO Level 4

It is anticipated employment will be available on a daily basis as workflow demands between 23 August, and early February 2000. Further information may be obtained from Ms Janice Verran tel 8224 4022, or the SATA office tel 8224 4000.

EMPLOYMENT INFORMATION

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

The University notifies applicants that the following vacancies for Higher Education Officers (HEO) with the reference numbers as stated have been filled and thanks them for their interest: 3324 HEO2, European Studies; 4088 and 4016 HEO6, Office of Deputy Vice-Chancellor (Education); 4254 and 4261 HEO5/6, Road Accident Research Unit; 4203 HEO5/6 and 3240 HEO3, Obstetrics and Gynaecology.

HUMAN RESOURCES DEADLINES FOR ADELAIDEAN

For the *Adelaidean* of 9 August, advertising paper work must be to Human Resources by 23 July.

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

GENERAL NOTICES

DISTINGUISHED HISTORIANS

Public Lecture Series

The Department of History is celebrating the 125th anniversary of the University of Adelaide with a series of public lectures to be presented by three distinguished historians.

The three scholars are: Professor Dick Geary (Professor of Modern European History, University of Nottingham); Dr Paul Hammer (Queen Elizabeth II Australian Research Fellow); and Professor W Wesley Pue (Nemetz Chair of Legal History, University of British Columbia).

All lectures in the series will be held in Napier Lower Ground Lecturer Theatre LG29 at 6.30pm.

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

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

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

Equal Opportunity Office and Health Service change locations

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

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

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

Phone numbers and all other contact details remain unchanged.

Media Watch

These are some of the the University's staff and students who have been on the airwaves in the past month.

15 June: ABC, Behind the News: Andreas Schloenhardt (PhD student, Law) on illegal immigrants.

25 June: SAS7 News: Dr Jason White (Clinical & Experimental Pharmacology) on parliamentary debate about drug injecting rooms.

27 June: 5DN/5AD: The Vice-Chancellor, Professor Mary O'Kane, on the trust fund in memory of Ian Cocks.

29 June: 5AN: Dr Margaret O'Hea (Classics), on Julius Caesar.

29 & 30 June
ABS2, SAFM, 5DN: Giordana Cross, PhD student, on the relationship of overeating and junk food to PMS.

30 June: 5AN: Professor Jack McLean (Road Accident Research Unit) on Adelaide's black spots.

1 July: 5AN: Professor Christopher Burrell (Microbiology & Immunology) on the flu.

1 July: ABS2, The 7:30 Report: Ernest Easton (PhD graduate) and Professor Jonathan Pincus (Economics) on Ernest Easton being the oldest PhD student in the world.

2 June: ABS2 Stateline: Dr Andreas Klieber and Mr Mike Reid (Horticulture, Viticulture & Oenology) on exporting SA food and beverages and leveraging our strengths in these fields.

CENTRE FOR BRITISH STUDIES

Annual Conference

Britain Today: Interdisciplinary Perspectives on Contemporary Britain: 23-25 September 1999, University of Adelaide

Major sessions will focus on:

- Britain - The Third Way?
- British Politics and Europe
- The Changing Community
- Gender, Class and Culture.

Speakers will include:

- Geoff Gallop
- Neal Blewett
- John Bannon
- Nigel Rapport
- Valerie Walkerdine
- Catherine Driscoll

For further information contact: Associate Professor Ade Peace, Department of Anthropology, tel 8303 5931.

Dental treatment for staff & students

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

Ngapartji Courses

Introduction to Multimedia - Monday mornings from 19 July to 20 September, 9am-12noon - \$380

- study historical developments
- gain insight into recent advances via the World Wide Web
- learn how to apply current and emerging technologies within the development of interactive multimedia
- learn about the impact multimedia technologies have had on our global lifestyle
- discover the production cycle and distribution of interactive multimedia products and their essential attributes
- learn about new occupations that now exist thanks to multimedia

Digital Imaging - Thursday evenings from 22 July to 23 September - 6pm-9pm - \$380

- learn the main features of Adobe Photoshop including painting effects, filters, selection tools, layering, masking, manipulating, enhancing and creating fantastic graphics
- create graphics, logos and manipulated images while applying creative techniques to solve specific design briefs
- be introduced to the vector-based illustration and text-editing program Illustrator 8
- understand the difference between Vector and Bitmap images
- understand image enhancement, manipulation and image crafting techniques
- learn the differences between the major 2D software programmes, different image formats and file management protocols
- understand presentation techniques in relation to digital artwork
- learn the principles of copyright and their conventions in relation to digital images

Call our Education Hotline, 8232 8444 for a program.

Advisory Centre for University Education

ACTIVE LEARNING IN LECTURES

Associate Professor R Cannon, Thursday 22 July, 9.15 am - 12 noon
ACUE Seminar Room, 6th floor Hughes Building

Although there is much attention given to the centrality of learning in higher education, the fact is that there is still widespread use of teacher-centred methods such as the large group lecture.

Effective learning and teaching methods employ various strategies that require student activity, even in very large classes. In this workshop, opportunities will be provided to develop an understanding of the nature and importance of active learning and to identify strategies that can be applied in your teaching.

TEACHING AT UNIVERSITY COURSE

Semester 2 1999: Wednesday, 2.15 - 5.00 pm, 4, 11, 18, 25 August; 1, 8, 15 September

The course consists of seven sessions and a project, and is designed for staff teaching, or intending to teach, at the University of Adelaide.

For enrolment details contact Lynne Bradshaw, 8303 5771 or email: <lbradshaw@acue.adelaide.edu.au>.

AUSTRALIAN INSTITUTE OF PHYSICS (SA BRANCH)

Free Public Lecture

Wormholes, Warp Drive, and Negative Energy is the title of the lecture to be presented by Professor Larry H Ford (Department of Physics, Tufts University, Medford, Massachusetts, USA) on Wednesday 14 July at 7.30pm in the Union Hall, University of Adelaide.

WWW: <<http://www.physics.adelaide.edu.au/aip-sa/>>

Research Branch Update

ARC SMALL GRANTS SCHEME 2000

Applications are invited for initial funding under the ARC Small Grants Scheme for 2000. This scheme aims to support, on a competitive basis, high quality research projects and pilot research projects of modest cost conducted by researchers of proven excellence; and to support new researchers who show clear evidence of high research capacity.

All disciplines are supported except clinical medicine and dentistry.

The minimum grant size is \$5,000; and the maximum is \$20,000 in Mathematics, Theoretical Physics and Humanities and Social Sciences and \$30,000 in all other disciplines.

The Application Form, the University's guidelines and other information are available on the Research Branch web site at: <<http://www.adelaide.edu.au/RB/formslist.html>>.

Prospective applicants should note that **the closing date for applications is Monday 16 August and that LATE APPLICATIONS WILL NOT BE ACCEPTED.**

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, contact the Research Branch on extension 35137 for information about how you can register on the SMARTS/GENIUS system, or access the SPIN/SMARTS/GENIUS website through the Research Branch homepage.

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



women general staff.

The WPDN runs monthly lunchtime forums on a wide range of topics.

For further details, visit our web site at: <<http://www.adelaide.edu.au/wpdn>> or contact Lee Jones (email <lee.jones@adelaide.edu.au>, tel 8303 3277).

The WPDN is a development initiative for all women general staff of the University of Adelaide. It focuses on issues affecting the professional and personal development needs of

REMINDER

Submitting a notice to the Adelaidean?

Please send all documents as RTF files as we are Word 5.0 Mac users.

Thank you.

LUMINIS SNAPSHOTS

Protecting your Intellectual Capital

In this age where information and knowledge are rapidly becoming more important than plant and equipment, it is vital that organisations identify, protect and effectively exploit what may be their most valuable assets.

In this article, Brett Cowell and Megan Low introduce us to Intellectual Capital and how it may be protected. In a following article, they will discuss some of the issues regarding the exploitation of intellectual capital.

INTRODUCTION

Intellectual capital is a term used to describe traditional intellectual property rights such as patents, trademarks, designs, copyright, plant breeder's rights and circuit layouts and includes an organisation's confidential information, trade secrets and know-how. Intellectual capital is an asset the worth of which can be dramatically increased if identified and protected by an organisation.

Organisations which overlook or underestimate their intellectual capital portfolio run the risk of losing valuable rights, including potential revenue through licensing and other forms of exploitation. Those which fail to protect their intellectual capital also risk having it copied or taken by others, including contractors or former employees.

Protection of patents, trademarks and designs can be achieved through registration processes. Registration is not available for other types of intellectual capital such as copyright, trade secrets and know-how. Measures such as ownership agreements and

confidentiality agreements must therefore be used to maximise protection for the owner.

PATENTS

The registration of a patent, trademark or design entitles the owner to exploit the invention or trademark (in relation to the goods and/or services to which it is registered) to the exclusion of all others and entitles the owner to seek redress against anyone who infringes the registration.

A patent protects the functionality of the invention and lasts for 20 years. Design registration protects solely the appearance of the invention. Design registration is for an initial 12 month period and can be renewed for a further six years. It is not uncommon for both patent and design applications to be lodged for the same invention to protect not only the functionality but also the appearance of the invention.

To be patentable, an invention must:-

- be new and inventive, that is have an advantage over all that currently exists in the art; and
- not have been previously disclosed before a patent application is lodged.

DESIGNS

Similarly, to be eligible for design registration, a design must be new and original, and there must be no prior disclosure of the design application.

DISCLOSURE

What is disclosure? Disclosure includes publication and use other than use by the owner for the purposes of research and advancement of the invention. However, any commercial use of the invention by the owner or by any other person will constitute disclosure and thereby invalidate

any subsequent application for registration.

PRIORITY DATE

Lodgement of a registration application establishes a priority date. Once registration is granted, any infringing act by a third party after the lodgement date (rather than the registration date) is actionable by the owner.

Once the application has been lodged, ownership of the invention is protected and the owner may proceed with manufacture or may conduct negotiations with other parties to exploit the invention.

TRADEMARKS

A registered trademark protects the mark in relation to the goods and/or services for which it is registered. A letter, word, name or shape or even a colour or sound that is used to denote the origin of the goods or services may be registered. To be eligible for registration, a trademark must be capable of distinguishing the particular goods or services from someone else's goods or services. A trademark cannot be purely descriptive.

Trademark registration lasts for a period of 10 years and can be renewed.

TRADE SECRETS AND KNOW HOW

A great deal of value may reside in an organisation's trade secrets and know how—how it does things, its methodologies, its databases, the knowledge it and its people have, and possibly its customers may have, in the organisation's field of expertise or business.

Organisations often take this intellectual capital for granted and ignore its importance or do not know how to capture and maximise its use to the organisation. A starting point is to carefully consider each area of operations and the knowledge, systems and methodologies used, then document or share them so that they are captured and retained in the organisation for its



Megan Low



Brett Cowell

benefit. The loss of a key employee can quickly demonstrate the danger of an organisation failing to do this.

CONFIDENTIALITY AGREEMENTS

Confidentiality agreements are another form of protection for intellectual capital and can be used to protect trade secrets, know-how and confidential information as well as patentable material, trademarks and design material where registration has not been sought.

If an owner wants to discuss an invention with a third party prior to applying for patent or design registration, he/she should enter into a confidentiality agreement with that third party. This will confirm ownership and will also prevent the disclosure of the invention during those discussions from invalidating a subsequent application for patent or design registration.

Under the agreement, the third party agrees not to disclose the intellectual capital to anyone else. There are often restrictions on disclosure even to that third party's employees. The agreement may extend to materials relating to the intellectual capital and any subsequent work created. The agreement should bind the third

party and its employees and contractors, even after the agreement may terminate.

In most cases, employers should have agreements with their employees confirming the employers' ownership of intellectual capital including the employees' work product. If there is to be some sharing arrangement, this should be clearly documented.

BREACHES OF AGREEMENT

The owner can seek remedies against a third party who breaches a confidentiality agreement e.g. by disclosing any of the material, the subject of the agreement. The owner may be entitled to an injunction restraining the party from any further use or disclosure of the confidential information and/or monetary damages.

CONCLUSION

Every organisation should carefully assess the intellectual capital it owns and consider steps to protect it.

To effectively manage its intellectual capital portfolio, an organisation should consider use of an asset register to document and monitor its intellectual capital.

—Brett Cowell & Megan Low
Cowell Clarke
Commercial Lawyers

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 detailed electronic version of this listing (Update: Research), together with guidelines and application forms for some of the major schemes, are available at: <http://www.adelaide.edu.au/RB/>.

For hard copy application forms and guidelines, contact the Research Branch, ext 35137; or email louise.moore@adelaide.edu.au.

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.

Commonwealth Scientific & Industrial Research Organisation (CSIRO): 1999 CSIRO Medals for Research Achievement: Closing date: 16 July 1999.

National Council for the Centenary of Federation - History and Education Program: Expressions of Interest - 1901 General Election and Sport: Internal closing date: 16 July 1999. Web site: www.centenary.gov.au.

New South Wales Police Service: Policing Research Grants - Sir Maurice Byers Fellowships: The internal closing date has now been extended until 16 July 1999.

National Heart, Lung, and Blood Institute (NHLBI), USA: Research Grants for the Development of Mouse Phenotypic Screens for Heart, Lung, and Blood Diseases and Sleep Disorders: Internal closing dates: Letter of Intent: 19 July 1999; Application: 1 September 1999.

Apex Council of Australia - Apex Foundation Trust for Autism: 2000 Apex Trust for Autism Grant: Internal closing date: 23 July 1999.

Apex Foundation for Research into Intellectual Disability Limited - Research Grants: Internal closing date: 23 July 1999.

Association of Commonwealth Universities - THB Symons Fellowship in Commonwealth Studies 1999: Internal closing date: 23 July 1999.

Australian Academy of the Humanities - Publication Subsidies: Internal closing date: 23 July 1999. Web site: <http://www.asap.unimelb.edu.au/aah/>

Australian Academy of the Humanities / Academy of the Social Sciences in Australia / Vietnam National Centre for the Social Sciences and Humanities - Overseas Program: Vietnam: Internal closing date: 23 July 1999.

Australian Academy of Science

- Fenner Medal
- Gottschalk Medal
- Moran Medal
- Pawsey Medal

Internal closing date: 23 July 1999. Web site: <http://www.science.org.au/awards/awards.htm>.

Australian Academy of Science - Margaret Middleton Fund: Award for Research on the Conservation of Endangered Native Animals: Internal closing date: 23 July 1999.

Australian National University / Royal Society of London / NHMRC: Howard Florey Fellowships Tenable in the United Kingdom and Australia: Internal closing date: 23 July 1999. Web site: <http://jcsmr.anu.edu.au/florey>.

BHP - Community Trust and Community Support Programs:

Internal closing dates: 23 July and 25 October 1999. Web site: <http://www.bhp.com.au/>.

Dairy Research and Development Corporation - Research and Development Funding 2000-01: Internal closing date: 23 July 1999. Web site: <http://www.drdc.com.au>.

Health and Aged Care; Commonwealth Department of National Illicit Drug Strategy Community Partnerships Initiative - Second Round Funding: Internal Closing date: 23 July 1999. Web site: <http://www.health.gov.au/pubhlth/strateg/drugs/illicit/nids/cpi.htm>.

Karitane Research Grants for Child, Adolescent and Family Health Issues: Internal Closing date: 23 July 1999.

Land and Water Resources Research & Development Corporation: Research & Development Proposals and Travel Fellowships for 2000 - 2001: Internal closing date: 23 July 1999. Web site: <http://www.lwrrdc.gov.au> (under General Call Research)

National Health and Medical Research Council - Training Awards for 2000: (Australian Clinical Research Postdoctoral Fellowships, Australian Part-Time Research Fellowships, CJ Martin Fellowships, Howard Florey Centenary Fellowship, INSERM Exchange Fellowships, Neil Hamilton Fairley Fellowships, Peter Doherty Fellowships, Public Health Postdoctoral Fellowship (Australia), Sidney Sax Fellowships). Internal closing date: 23 July 1999. Web site: <http://www.health.gov.au/nhmrc>. (Proceed then to "Research Program" and then "Training Awards")

Reg Waite Award for Young Australian Achievers: Internal closing date: 23 July 1999.

Retina Australia - Retina Australia Research Grants 2000: Internal closing date: 23 July 1999.

JH & JD Gunn Medical Research Foundation: Research Grants: Internal closing date: 24 July 1999.

Australian Academy of Science / Australian Research Council / Japan Society for the Promotion of Science

- JSPS Postdoctoral Fellowships in Japan 2000-2001

Internal closing date: 26 July 1999.

Australian Academy of Science / Science and Technology Agency

- STA Postdoctoral Fellowships in Japan 2000-2001
- Japanese Government Research Awards for Foreign Specialists 2000-2001
- Short-Term Fellowships in Japan 2000-2001

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

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

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

Asthma South Australia - 1999 Research Grants: Internal closing date: 3 August 1999

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

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

National Health and Medical Research Council - Travelling Award for

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

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

Australian Rotary Health Research Fund

- Mental Illness Research Grants
- Mental Illness Research - Arhrf Ian Scott Fellowship
- First Aid, Pre-Hospital Treatment and Emergency Care Research

Internal closing date: 6 August 1999. Web site: <http://www.rotarnet.com.au>

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

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

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

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

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

Scholarships

Unless otherwise stated, further 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. Please lodge all applications with the Scholarships Office unless otherwise stated.

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

Australian Kidney Foundation Biomedical Research Scholarships and Summer Vacation Scholarships: Biomedical Research Scholarships are open to Australian applicants enrolled in a PhD or MD at an Australian university. Vacation scholarships are open to undergraduates currently enrolled in the Faculty of Medicine or other faculties offering courses in the biological sciences. Applicants should have completed, or expect to complete, at least one full year of their course by the scholarship's commencement. Closing: 8 September - Vacation Scholarships; 23 June - Biomedical Scholarships (Scholarships Section)

Charles and June Ross International Fellowship: Open to women scientists (natural and physical sciences) who are Australian citizens and have graduated from an Australian university. The Fellowship is tenable for one year in the USA to a full-time graduate or postgraduate to undertake study or research. Applications available

from AAUW Educational Foundation, Fellowships and Grants, North Dodge Street, Dept 141, PO Box 4030, Iowa City, Iowa 52243-4030 USA, fax: (319) 337 2201, tel: (319) 337 1716 ext 141. Closing: 15 December (USA)

Japanese Government Research Awards for Foreign Specialists, Science Awards 2000-2001: Open to Australian citizens or permanent residents wishing to undertake research for up to six months in Japanese government national laboratories. Applicants must have been engaged in scientific or technological research for more than three years after obtaining a university degree in the field related to their proposed Japanese study. Forms available via internet: <http://www/science.org.au/internat/exchange.japfel.htm>. Closing: 2 August (Canberra)

Merrill Lynch Forum: Grants will be awarded to PhD students who best explain the commercial application of their dissertation topic. Applications via the Forum's Web Site: www.ml.com/innovation/. Closing: 15 September (USA)

Multiple Sclerosis Australia - Postgraduate Research and Summer Vacation Scholarships: Postgraduate scholarships open to registered medical graduates or appropriately qualified science graduates or health professionals. Vacation scholarships intended for currently enrolled undergraduates completing three or four years of a full-time course leading to an honours degree in medicine, health science or science. Applications for vacation scholarships may be sent directly to the funding body by 31 August 1999. Closing: 23 August - Postgraduate Scholarships (Scholarships)

National Heart Foundation Postgraduate and Vacation Scholarships: Postgraduate scholarships, non-medical, for full-time research leading to a PhD at an Australian university. Vacation Scholarships provide opportunities to participate in research projects which are broadly related to the cardiovascular function. Closing: 8 September - Vacation Scholarships; 25 October - Non-medical (Scholarships)

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

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

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

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