

Report outlines plan for youth employment

At a time when short-term employment schemes and work-for-the-dole programs are making headlines, a new report released by the University of Adelaide's Social Justice Research Foundation offers a fresh range of solutions to Australia's chronic youth unemployment problem.

The report, *Jobs For Young Australians*, is the culmination of a two-year study by the research group, which was funded by the Australian Youth Foundation.

Based on employment data over the period 1988-96, the report highlights unemployment "hot spots" around Australia and makes key recommendations on how to boost youth employment.

The study focused on 64 regions in all States and Territories of Australia.

About a quarter of those regions had an average youth jobless rate of 20% or more over the eight-year period — consistently double the overall jobless rate in Australia.

"There is an obligation on the Government to seriously address the youth unemployment problems faced by our nation, rather than simply resorting to bandaid measures such as work-for-the-dole schemes and army 'boot camps'," said Mr John Spoehr, project coordinator with the University's Social Justice Research Foundation, who co-edited the report with Dr John Spierings.

"There must be a national approach to the development of more comprehensive and long-term strategies, which should involve not only the Federal Government, but governments at all levels, as well as industry,

unions and the community. We should all be working together to bring down youth unemployment to at least that level experienced by the population as a whole," he said.

"This report outlines how that can be achieved, as well as highlighting the scope and seriousness of our youth unemployment problem."

Among the 28 recommendations are:

- a target of 5% unemployment by the year 2000 be set, and that this commitment be part of a new Charter.

- establish agreements with the Superannuation industry to ensure that a greater share of Australia's national savings are invested into long-term employment generating industries.

- introduce a National Youth Employment Guarantee, so that every

school leaver will receive an offer of employment, Traineeship, Apprenticeship, or Higher Education place within six months of leaving school.

- establish a Full Employment Commission, with leading figures from business, unions and the community, to manage new government employment programs.

- redirect \$60 million of labour market assistance funds to regions experiencing chronic youth unemployment, and provide funds for employment strategies developed at a local level.

- ensure that a 'Youth Employment Dividend' results from the National Competition Policy through a new levy on the States or through youth employment targets.

Continued Page 4

Talented students get Uni Headstart

The University of Adelaide has introduced a scheme to enable highly talented and motivated secondary school students to enrol in University subjects while still at school.

The Headstart scheme — being piloted this year — makes a range of University of Adelaide subjects available to high-achieving students in Stage Two of the SACE.

Grades will be recorded and may be used for status if the student is eventually admitted to a course for which the subject attracts points.

The Vice-Chancellor, Professor Mary O'Kane, said Headstart would enable students to fast-track their course or, at the very least, take a wider range of subjects than usual.

"The main value of the scheme will be the extra challenge and stimulation provided by university study," Professor O'Kane said.

"By the time Headstart students begin full university study, they will be well-equipped for the intellectual rigours of university — not to mention being comfortable and familiar with university-style teaching."

Exceptional secondary students have been allowed to study at the University on rare occasions in the past under non-award provisions, but the University has decided to formalise and promote the arrangements.

Subjects can be chosen from the Humanities and Social Sciences, Mathematical and Computer Sciences, Performing Arts and Science.

Students eligible for a place in the scheme this year will be completing Stage Two of their SACE. They will need an average score of 15 or better out of 20 for SACE Stage Two subjects already taken, and at least 17 out of 20 for any SACE Stage Two subject which is a pre-requisite for the University subject to be studied.

Students undertaking Headstart will usually be students who do not have a full load — for example, they could have completed some Year 12 subjects while in Year 11, or they could be "Year 13" students.

Students will be admitted on a fee-paying basis.

Information about the scheme was sent to schools earlier this month.

—David Washington



Back Row: Cameron Deyell (Jazz Guitar), Scott Griffiths (Most Outstanding Postgraduate), Mario Marino (Jazz Drums), Kane Jones (Jazz Bass, shared), John McDermott (Most Outstanding Undergraduate). Middle Row: Kym Walker (Jazz Piano), Libby O'Donovan (Jazz Voice), Ben Parkin (Jazz Bass, shared). Front Row: Chris Palamountain (Jazz Saxophone), Julian Ferraretto (Jazz Strings). Photo: Mark Spavin.

Best jazz talent to be showcased

Ten of the best young musicians from the Elder Conservatorium's Jazz program will share over \$3000 in prize money donated by Adelaide business organisations. The winners will receive their prizes during a Jazz Awards Concert highlighting their talents in the Scott Theatre on 3 April.

The concert offers Adelaide jazz lovers a unique opportunity to hear up-and-coming jazz musicians on the same bill, and gives the musicians a chance to perform both solo and in ensembles.

Special guest performer of the evening will be the newest addition to the lecturing staff in Jazz Studies, sax player Dustan Cox, who joins the Elder Conservatorium direct from teaching Jazz Sax at the University of Durban in South Africa, where he also worked with Darius Brubeck, son of jazz legend Dave Brubeck.

The awards were the idea of Head of Jazz

Studies Bruce Hancock.

"Contributing to these awards is a wonderful gesture by Adelaide music and business people and a great encouragement to young musicians," Mr Hancock said. "The ever-increasing interest shown by young people in jazz is indisputable evidence that more and more are discovering just how exciting and vibrant jazz can be."

The awards were donated by Myer Centre Adelaide, SGIC, Brash's, Ausmusic, Jazz Action Society, John Reynolds Music City, John Davis Records, dB Magazine and the Helpmann Academy. They will be presented by the Dean of Performing Arts, Dr Anita Donaldson.

- Jazz Awards Concert, 8.00pm, Thursday 3 April, Scott Theatre. Tickets at the door: \$8/\$5. Helpmann Academy partner students free.

—Sheila Bryce

INSIDE

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Wise Counsel

There have been a lot of things happening lately to remind us of the importance of its Governing Body in the life of the University.

On 6 March the University of Adelaide Act 1971, as amended by the Statutes Amendment (University Councils) Act 1996 was proclaimed and accordingly the "new" Council met for the first time on 14 March.

The reconstituted Council is composed of the Chancellor and the Vice-Chancellor who are *ex officio* members; seven external members appointed by a selection committee; three members elected by the Senate; three members of the academic staff and two members of the general staff elected by their constituencies; and three students of the University of Adelaide.

It also has different "instructions" which bring the role of the Council more into line with the functions of a company board.

I have great hopes for the new Council. However I was also sad to say goodbye to members of the old Council.

I have personally benefited greatly from both their participation in Council Meetings and their wise advice and support which has been so freely given.

As I have come to know Adelaide better I have realised how many people have served the University as members of its Council; they retain fond memories of the University, work hard to retain their links, and still serve us indirectly in the community.

One such former member is Don Dunstan who officiated last week at the launch of a book on one of our former Chancellors, Dr John Bray, jurist, poet and *bon vivant*. His role in University life is detailed in the chapter by another former Chancellor, Dame Roma Mitchell.

Edited by Professor Wilfrid Prest of our Department of History, this collection of commemorative essays is an initiative of the Law Chapter of our Alumni Association and its production was overseen by a current Council member, the Hon. Justice John Perry.

The project is an excellent example of the wide web of dedication and service binding the University and its communities, and a timely tribute to a great man who, among many other things, was a great Chancellor.

MARY O'KANE

GUEST COMMENTARY

The goods of teaching: hanging tight in bad times

Dr Neville Hicks is Reader in the Department of Public Health. He was one of the four recipients of the 1996 Stephen Cole the Elder awards for excellence, in graduate teaching.

by
Dr Neville Hicks
Public health

result of a deliberate policy — helped, a bit, by one of the last gasps of funding growth. Since the late 80s, the Department has taken on as half-time Lecturers A a handful of people who had

been good students and looked to be on track to interesting higher degrees. They have been given initially modest teaching loads, plus an assurance of back-up as they take increasing responsibility for course co-ordination. The weaknesses of the approach have been that it can slow progress to a higher degree, and that we have more part-time staff than is good for collegial government.

The effort to "grow our own" successors has had three strengths. One has been the chance to recruit people who have shown by their care for fellow students that they are likely to support our undergraduates. A second has been their pattern of contact with undergraduates regular enough to understand the changing concerns of students whose worries about work and income threaten, increasingly, to overwhelm their interests in study. The third strength of the Lecturer As has been their willingness to challenge: "why do you teach that way?"; "what would happen if we tried another way?"; "we think the Public Health major would work better if it were rejigged like this".

In the late 80s this University altered its promotion procedures to ensure equal weight to teaching, public service and research. The policy remains but other developments threaten it in practice. For example, as others have said prior to the West Review of higher education, the emphasis on research funding as the dynamic of any growth sends a message about what goods count in practice. In addition, Faculty funding arrangements for the Bachelor of Health Science degree (in which we teach Public Health to undergraduates) have not been transparent enough for the policy of staff development to offer as much certainty as it should to those who do develop their teaching skills.

Administrators have it tough, too, but some emerging practices in that quarter also discount the goods of teaching. Frequently, during focus groups on VC Brown's 1995 reform proposals, academics, who did not complain much about their own conditions, did complain about the lack of civic decency evident in the language of the University's correspondence with students. Domains such as public health, women's studies and environmental health, which patrol the boundaries of several disciplines, require a bit more flexible understanding, from the centre, of the situation of their (often part-time) graduate students. A hole-in-corner attitude to providing facilities for new students (who do bring new revenue) sees my colleagues trying to do flexible teaching in inflexible space: perhaps a few Named Teaching Spaces might attract wealthy alumni to do a Carnegie?

Having bowdlerized Greek philosophy, why not finish with some Greek theatre? Nussbaum suggests, in *The Fragility of Goodness*, that doing good in fortunate times is not much of a test of virtue. Virtue is demonstrated by good behaviour in the face of bad luck. Universities seem to be in for a spell of bad luck. The graduate students and the coming lecturers might hope for colleagues and administrators who will hang tight to the goods of teaching *and* public service *and* research.

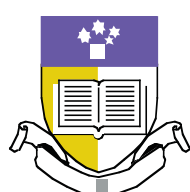
In the days of Imperial Honours, it used to be said that the OBE stood for other buggers' effort. Ditto the Stephen Cole awards, which may say something about a person but say as much about setting. My setting includes two and one-half engines of good teaching. One is the recent influx of mature-age students, the other one a cadre of thoughtful younger lecturers. The half is this university's rhetoric in support of more-or-less equal standing for good teaching, public service and research.

In 1986 the Department of Community Medicine began a Masters program in Public Health. Students enrolled who were, mostly, well-established in jobs in the Health Commission, health service delivery and other forms of public service. A good proportion thought that an MPH might change the focus on their work, fifteen years after graduation in science, arts or a health profession. Several had experience and ideas about community development or adult learning. They have been a delight to teach. They bring information and ideas from their work that would take a lecturer fifty years to find out by solitary field work. They nurture each other carefully in group work. They say that they appreciate lecturers who question things taken for granted — and they question promptly things which lecturers have begun, too easily, to take for granted. In my case, their willingness to provoke a fresh question and to forgive visible stumbles while an answer was explored, provided the confidence to set out on a round of public teaching and facilitation of seminars throughout the health system.

When it came to theses, few fell for the beguiling line that "you might like to re-analyze a bit of the Prof's data-base". In health policy, for example, theses have included an original history of the confrontation between managerialist and communitarian ideologies in community health services; a critique of the presumption of quit-smoking campaigns based on study of how people on the receiving end perceive themselves in relation to the message-makers; a demonstration that antenatal screening, though designed to reassure, may heighten mothers' anxieties when it becomes routine practice; a village study which called in question the local usefulness of Thailand's national health promotion campaign against AIDS; and studies of Australian community health and primary care services in outer-urban areas which revealed the extent of direction of those local initiatives by central NGO and public service cadres.

To stretch the philosophical bow just a newton, the authors of those theses have followed the Aristotelian, experimentalist line that truth arises, more probably, from observation of circumstance than from elaboration of Truth by an expert few, as preferred by the "middle" Plato. People with more modern tastes in educational theory may describe this as Dewey-an experimentalism (and might be encouraged by Alan Ryan's recent biography of the man).

The group of young teachers in Public Health is the



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Unique housing project for indigenous students opens

A housing initiative for Aboriginal and Torres Strait Islander students of the University of Adelaide could become a model for indigenous university student housing.

More than 100 people attended the opening of the Mattanya Housing Association facilities in Finnis St, North Adelaide, on 16 March.

Mattanya, which aims to foster academic excellence and leadership qualities among residents, provides accommodation and academic support for indigenous students of the University of Adelaide.

It is believed to be the first initiative of its kind for Aboriginal and Torres Strait Islander students of one of Australia's major universities.

Mattanya, opened by the Minister for Housing and Urban Development, Mr Stephen Baker, is already full, reflecting the huge demand among indigenous students for affordable accommodation in a supportive community environment.

Two heritage houses have been stunningly refurbished to provide single bedroom self-catering accommodation for 18 residents and an Academic Director.

Mattanya — the Kurna word for "owner" — was opened in fine style, with traditional Torres Strait singing and dancing by the group Kariba Sagul, and music performed by Jaiyah Rassip, Becky Gollan and Lesley Yasso.

Mattanya's first residents come from all over Australia and range in age from 17 to 56.

The resident Academic Director — final year Law student and former Students' Association President Mr Haroon Hassan — will oversee the development of an indigenous community of scholars.

The Vice-Chancellor, Professor Mary O'Kane, said Mattanya would make a significant contribution to improving indigenous participation and success in higher education.



Academic Director Haroon Hassan and Mr Stephen Baker (left of picture) with Mattanya residents. Photo: David Washington.

"Aboriginal and Torres Strait Islander students come from all over Australia to study at the University of Adelaide," she said.

"Feedback from potential students and their families indicates that university study opportunities for indigenous people is limited by a shortage of appropriate accommodation.

"Mattanya will provide affordable and secure housing, and give indigenous students a supportive community in which to study and develop.

"Community is central to Aboriginal and Torres Strait Islander people and the community aspect of Mattanya will help students achieve their best."

She said Mattanya may well become a model for similar initiatives affiliated with other universities.

Mr Henry Miller, the Convenor of the Mattanya Residents Committee, said he and his fellow students had

already responded to the positive atmosphere of Mattanya.

"We are here at Mattanya because we all have dreams and aspirations which mean a lot to us — being at Mattanya is helping us to focus on those dreams," Mr Miller said.

Mr Miller, who has ties to the Yorta Yorta people of Victoria and the Thursday Island people in the Torres Strait, has come to Adelaide to begin studying for a BA degree.

Mr Baker praised the supporters of Mattanya — the University of Adelaide, the South Australian Community Housing Authority and the Adelaide City Council.

"Without the contributions of each of these partners in this joint venture the magnificent accommodation complex we see before us could not have been completed," Mr Baker said.

—David Washington

Recycling scheme up and running at North Terrace

The Property Services Branch hopes to reduce the amount of general University waste ending up in landfill by as much as 80% with a new paper waste recycling scheme introduced on the North Terrace campus this month.

The project supports a key objective of the Environmental Policy approved by Council last year — to ensure that materials used in the University are reused and recycled wherever possible.

It also complements recent changes to the cleaning system, which have achieved considerable savings but sparked problems in some areas with individual waste bins being left in corridors.

Under the recycling scheme, operated in partnership with Australian Paper Chase, each of the nearly 1500 offices at North Terrace has been provided with desk-side cardboard "recyclabins" into which first-grade paper waste can be emptied. These in turn feed into more than 100 blue and yellow wheelie bins.

The wheelies will be collected once a week, taken to central campus locations where Australian Paper Chase will compact the rubbish on site, before transferring it to a depot where it is gathered into large bales and sent off to the paper mill.

A recycling plan for second-grade waste (such as yellow envelopes, newspapers, magazines, and all cardboard) is also being developed.

The Manager (Cleaning), Mrs Joan Zilm, was given responsibility for waste management earlier this year, and has overseen the introduction of the recycling scheme. Mrs Zilm says she couldn't believe the amount of recyclable rubbish being thrown away when she started looking into the waste management system.

"North Terrace campus purchases 97 tonnes of copy paper every year, and our cleaners estimate that about 80% of 'custodial rubbish', the rubbish that ends up in landfill, is recyclable paper," she said. "Cleaners emptied 1387 full, 240-litre rubbish bins in January alone

on North Terrace — and that's in vacation time!"

Apart from its environmental benefits, the new recycling scheme also has an important collateral advantage. It will reduce the amount of dirty rubbish (such as food scraps, drink cartons and plastics) that needs to be collected on a daily basis.

Joan Zilm hopes this will make it easier for departments to find effective ways of managing the disposal of office bin waste. Many Departments and administrative areas have already established a system whereby staff deposit the rubbish from their individual bins into a larger Departmental bin, reducing the number of bins to be put out at night and retrieved in the morning.

The recycling scheme is strongly endorsed by the Director of the Mawson Graduate Centre for Environmental Studies, Associate Professor Nick Harvey, who says it is important to have action on the University's Environment Policy.

—John Edge

The News IN BRIEF

NEW WAITE FACILITIES

South Australia's role as a leader in agricultural education has been boosted with the official opening of a new teaching suite at the Waite campus.

Up to 500 students involved in eight different degree courses will be using the state-of-the-art facilities, which include student computing facilities, a teleteaching lecture theatre and separate videoconferencing rooms.

The courses include primary production, environmental science, agribusiness and wine science.

The development further expands facilities on the campus, where the University is co-located with SARDI, Primary Industries SA, the Australian Wine Research Institute, and several divisions of CSIRO.

The \$1.1 million facilities were opened by the South Australian Minister for Employment, Training and Further Education, Mrs Dorothy Kotz, on 11 March.

KEY PROCESSES IMPROVEMENTS

The accounting and management consulting firm, Ernst and Young, is currently undertaking a short-term project at the University of Adelaide to identify possible efficiencies and improved productivity.

Vice-Chancellor Mary O'Kane says the firm has been asked, as a follow-on from the Penington Review, to examine key operating and financial processes with a view to identifying possible improvements.

The firm gave a presentation to the University Council on Friday 14 March. The project is expected to conclude with a report to the Vice-Chancellor around the end of March.

HIGH COURT IN SPOTLIGHT

The Solicitor General of Australia, Gavan Griffith QC, will present a Public Lecture in the Law School on Tuesday 25 March.

His topic, "The High Court and the Constitution: Where are we now?" will be of timely interest in the light of controversy flowing from the High Court's recent activism in the area of implied constitutional rights and on such broader constitutional issues as proportionality, discrimination, and equality.

• 5.30pm, Lecture Theatre 2, Law School.

EIA FOR THE 21ST CENTURY

The British Council (Australia) is the key sponsor for a conference and workshop on environmental impact assessment (EIA) for the 21st century being convened by the Mawson Graduate Centre for Environmental Studies early next month.

The event is part of "newIMAGES: Britain and Australia into the 21st century", a program celebrating the 50th anniversary of the British Council in Australia.

The first day is a plenary session with keynote speakers and is open to a wide audience; the remaining two days are limited to invited participants.

The British Council has sponsored keynote speakers Professor Chris Wood (University of Manchester) and Professors John Glasson and Riki Therivel (Oxford Brookes University) — all influential in EIA research in Britain and Europe.

Australasian keynote speakers are Associate Professor Tom Fookes (University of Auckland), and Mr Nick Gascoigne (Environment Australia).

• Wednesday 9 April, Institute Building, North Terrace. One-day fee: \$75. Details: Sapro Marketing, tel 8212 7555.

Advertisement

Robot arm to cut head injury deaths

A new robot arm designed to fire a simulated human head into car bonnets is being put through its paces at the University of Adelaide.

Researchers with the University's Road Accident Research Unit have designed and built the robot arm — called a headform launcher — to test the impact of different makes of car on pedestrians' heads during accidents.

The headform launcher can fire a dummy head into a car bonnet at speeds of up to 70 kilometres an hour. By studying the resulting impact, scientists hope to learn more about head injuries inflicted during accidents.

The National Health and Medical Research Council, which funds the Unit, recognises road accident head injuries as one of Australia's major human health risks, costing hundreds of lives and millions of dollars every year.

Brain injuries are the leading

cause of death in road accidents, and non-fatal head injuries are more costly to society than injuries to any other part of the body.

However, scientists still do not fully understand what happens to the head on impact, or how badly the brain can be damaged in even minor accidents.

Over the past 15 years, Road Accident Research Unit researchers have studied in detail more than 200 fatal accidents involving pedestrians in South Australia. The Unit has concentrated on the study of head injuries in pedestrian accidents because it is often possible to work out the exact speed at impact.

The Director of the Unit, Dr Jack McLean, said the new headform launcher would be used to reconstruct the forces involved on impact, to try to learn more about specific aspects of head impact that are the principal causes of injury to the brain.

"The new robot arm is a major step

forward for our research, and is one of the few of its kind in the world," Dr McLean said.

"The information we'll gather using the headform launcher will further add to our understanding of brain damage, and will help in future planning to reduce the head injury road toll.

"Results from the Unit's head injury research could also help draw up better safety ratings for cars, and help improve the design of safety devices like seat belts, airbags and crash helmets," he said.

Dr McLean said the first trials of the new headform launcher were commissioned by the Federal Office of Road Safety, examining the impact of a simulated pedestrian head with the bonnet of a current-model GMH Commodore and a Ford Falcon.

—David Mussared

—David Ellis

Arts access earns community favour

For the third year in a row there has been strong support from members of the public for the Community Access Program run by the Faculty of Arts.

The Faculty's Peter Murdoch reports that 1997 enrolments to attend lectures in subjects offered by the Faculty have already exceeded the 1996 total. Over half the 1997 participants are new to the program.

History remains the leading department for enrolments, while Classics and Anthropology have increased enrolments. French and German Studies, with no enrolments in 1996, have benefitted from descriptive entries in the pamphlet and both gained enrolments.

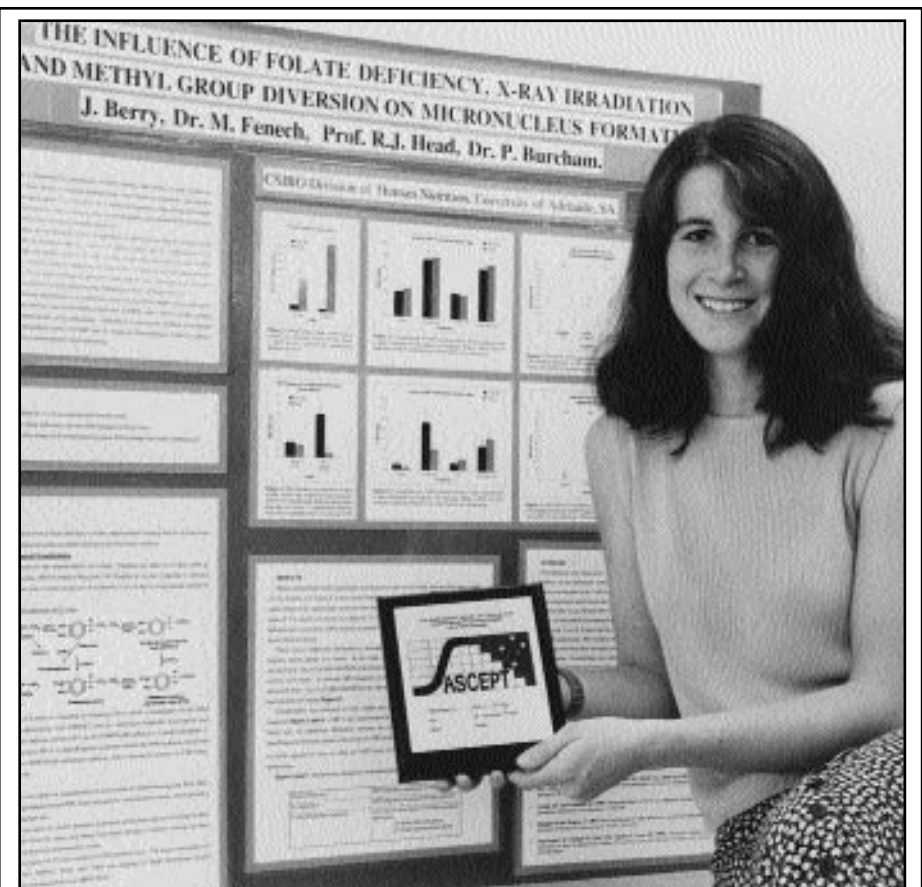
Professor Penny Boumelha, Dean of Arts said, "The Faculty sees the Community Access Program as a scheme working for the benefit of all, with members of the public gaining the opportunity to explore university level subjects or pursue specialist interests, while the Faculty's departments gain additional funds with no increase to their requirements for assessment and marking."

"The program enables participants who may be considering university study to make informed decisions about the subject choices available to them."

• Telephone the Faculty of Arts Office on (08) 8303 5245 for further information.

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Jesia Berry (above) has been awarded the 1996 Whelan Prize by the Australasian Society of Clinical & Experimental Pharmacologists and Toxicologists for the best presentation by an Honours student. Ms Berry's Honours program was jointly supervised by the Department of Clinical & Experimental Pharmacology and the CSIRO Division of Human Nutrition. She is now working in the Centre for Pharmacy Research at the University of South Australia's School of Pharmacy and Medical Sciences. Photo courtesy of Clinical & Experimental Pharmacology.

Jobs report outlines plan for youth employment

From Page 1

One of the major recommendations, a National Charter for Economic Development, Employment and Citizenship — to be signed by industry, unions, government and the community sector — has already been endorsed by one of Australia's leading employers of young people, The Body Shop.

"We strongly believe that the time has come for all sectors of our communities to put prejudices aside, take a hard look at the issue and show a unified resolve to create a future for our young people," said Mr Alex McDonald, Campaigns Coordinator with

The Body Shop.

"The National Charter for Economic Development, Employment and Citizenship... is a positive step in the path to recovering our young people. The Body Shop is most pleased to endorse the Charter and will encourage other business associates to examine and if possible join in the effort to assist our young people," he said.

The Federal Government's response to the report's recommendations will become the subject of discussion at the 4th National Conference on Unemployment, to be held in Adelaide in June.

—David Ellis

Managing the flow: new project for Adelaide's water system experts

They've shown how to save money in the design of water pipe networks; now a University of Adelaide research team is out to do the same for the operation of open channel irrigation systems.

Associate Professor Graeme Dandy and Dr Angus Simpson from the Department of Civil & Environmental Engineering have won a \$214,000 grant from the Land and Water Resources Research and Development Corporation (LWRRDC) to apply their pioneering genetic algorithm technique to the development of scheduling systems for channel irrigation systems.

The Tatura irrigation area of Goulburn-Murray Water in Victoria will be used as a case study.

Graeme Dandy, Angus Simpson and postdoctoral fellow Dr John Nixon are working with industry partners Rubicon Systems Australia Pty Ltd (from Melbourne) and Goulburn-Murray Water. The partners are contributing in-kind support to the two and a half year project.

The genetic algorithm optimisation technique is based on natural selection and the mechanics of population genetics. Applications developed by

Graeme Dandy and Angus Simpson over the last six years have already achieved substantial savings in the design of six actual pipe networks in Australia and overseas.

The latest project will test whether the technique can be used to improve scheduling and delivery of irrigation flows via open channel gravity systems.

In most irrigation systems around Australia an advance-notice ordering system is used. Irrigators order their water three to four days in advance, specifying when they want the flow to start, how much water they need, and how long they want it for. This is often done using the telephone number pad and a computer-prompted recording.

It's then up to a water planner to schedule these orders for delivery within the capacity of the system and with minimum delay. If demand exceeds the system's supply capacity, the planner has to reschedule some customers to even out the flow. Irrigators ring back a day in advance to confirm their order or find out if they have been rescheduled.

The water planner's task is a complex one and still very *ad hoc* — though it has been helped in recent years by the development of computer technology, including graphical user interfaces.

"There are so many factors to take into account," says Angus Simpson.

"For example, producing constant flow in the channels, reducing spillage, minimising outfall at the end of the system and maximising the number of irrigators who can receive their water at the time they asked for.

"You also want to ensure that regulation of flow control structures and Detheridge wheels is kept to a minimum, with the staff who operate them being used efficiently.

"And then it's important that the same people are not moved from their

designated slot every time they place an order. You have to try and 'socialise the inconvenience' so that it's equitably spread."

To determine the relative weighting to be given to these and other criteria the team recently visited and interviewed irrigation authority personnel in the Tatura region. The variables will be considered simultaneously in the genetic algorithm optimisation.

"We want to develop a methodology which will help to automatically determine the best way of scheduling deliveries," Graeme Dandy said.

"This can be incorporated as a module in a computer ordering program with the aim of automating procedures as much as possible — although water planners will still have the ability to fine-tune the model output."

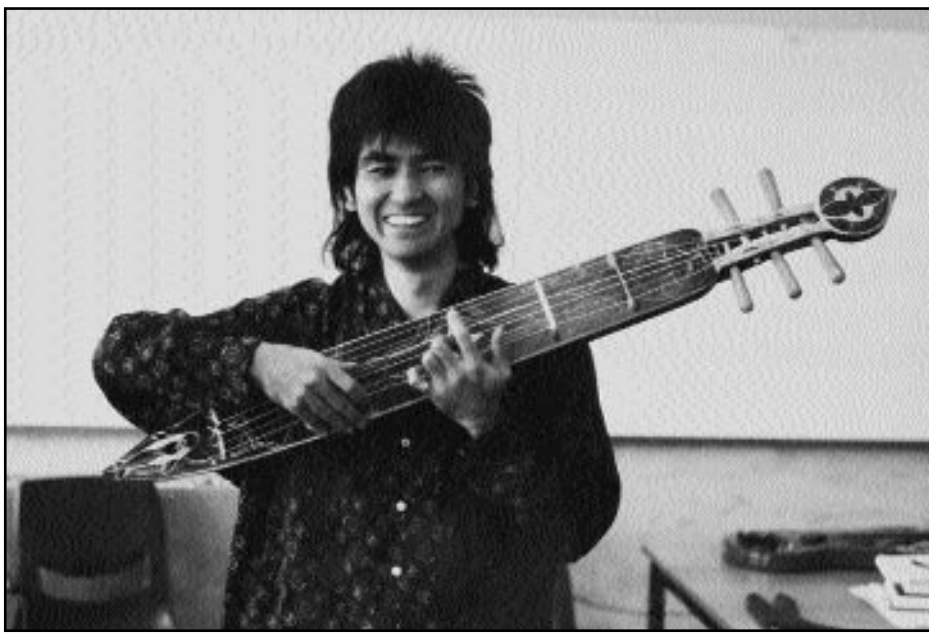
The computer ordering program brings Rubicon Systems into play. The company has already developed an ordering and scheduling system (IPM - Irrigation Planning Module) which is widely used in the Goulburn-Murray irrigation area and elsewhere. The genetic algorithm optimisation module will be integrated into this existing system.

And the savings that might accrue if the project works as expected?

"Our analysis suggests potential savings on water usage of around \$270,000 per year, and a further \$420,000 per year through reduced operational costs for the Goulburn-Murray irrigation area alone," said Graeme Dandy. "That amounts to millions of dollars when other irrigation areas are considered."

The project is part of LWRRDC's National Program for Irrigation Research and Development, a cross-sectoral program in operation since 1993 to improve the environmental sustainability of Australia's on- and off-farm irrigation systems.

—John Edge



Aboriginal and Torres Strait Islander students were this month treated to indigenous music of a different kind at the University's Centre for Aboriginal Studies in Music (CASM). Mr Oki Kano, a member of the Ainu tribe from Hokkaido in Japan, was a guest speaker at CASM on Tuesday, 4 March. He entertained and educated students with stories about the Ainu people, a tribe indigenous to Hokkaido whose culture and language struggle to exist in modern-day Japan.

Like indigenous Australians, the Ainu were denied land rights by the government and suffered a loss of their own identity as a people. Mr Kano spoke to the students about the meanings of music and songs to the Ainu people. He played a tankori (pictured), a stringed instrument from an island north of Hokkaido, and sang songs about his people, their culture, and Ainu spirits. Photo: David Ellis

5UV News

Special broadcasts on Radio 5UV over the next couple of weeks include a live broadcast of the AW Jones lecture, two live broadcasts from Adelaide's colourful Central Market and a five day special licensed radio station broadcast from the centre of the TakeOver Festival of Youth in Elder Park.

• Peter Sheldrake, noted educationalist, former CEO of the Australian Institute of Management and current CEO of the Cranlana Institute, will give this year's AW Jones Lecture in Elder Hall on Wednesday 26 March.

His talk, "Great Expectations and the World of Work", will explore some of the pressures on education systems in the late 1990s, from the perspective of employers and managers.

You can hear it broadcast live on 5UV at 6.30pm, or live through the internet, using a Real Audio sound package.



Peter Sheldrake: his 1997 AW Jones Lecture: to be broadcast live on Internet

Access through the University of Adelaide Home Page, or direct to <<http://www.adelaide.edu.au/5UV/>>.

• 5UV goes to Market. Our breakfast program, "Radio Espresso", will be presented live from the Adelaide Central Market on Thursday 27 March from 7.00am to 9.00am. Join

us there for a cup of coffee and the best market bargains.

• Back at the Central Market on the same day, but in the evening, we'll broadcast live entertainment in the tradition of radio theatre and performance.

You can come along and be part of the live audience and see Adelaide's top musicians, poets and performers in the ambience of the Market between 5.30pm and 7.30pm.

• Capital City Radio is a special licence FM Radio station set up on the banks of the Torrens in the middle of the TakeOver Youth Festival site. 5UV's youth program, "SAYN Xpress", the three student radio groups (Adelaide, UniSA and Flinders) and 3d Radio will all broadcast from 12.30pm to 12.30am from Tuesday 1 April to Saturday 5 April.

This is Australia's biggest national Youth Festival. Tune in on 100.5FM to hear live performances and interviews from the heart of the Festival.

Advertisement

Adelaidean Feedback

With this issue we introduce FEEDBACK, a regular new feature in the *Adelaidean*.

The impetus for its introduction comes from last year's Climate Survey of Staff, in which "Communication within the organisation" was ranked no 7 (out of 50 factors) on the list of areas for improvement. One of many strategies for improvement in this area is to provide an easy way for all staff to have a say on current issues. That is the purpose of FEEDBACK.

The poll will be trialled over the next few months in every second issue of the *Adelaidean*. Questions are developed by the Convener of the Academic Board and Acting Deputy Vice-Chancellor (Professor Doug McEachern), with input from Director, Quality (Mrs Heather Howard) on issues relating to the Climate Survey.

The questions invite a straightforward YES/NO response, but succinct reasons will also be welcome. Results will be printed in the following issue of the *Adelaidean*, and may include quotation as appropriate, although respondents will not be identified.

POLL ONE: SUMMER SEMESTER

The University has set up a Working Party to consider the development of a Summer Semester. The aim is to deliver a select number of subjects for award courses in an intensive mode so that students can either accelerate their studies or catch up for material missed. Some parts of the University already offer courses in this mode.

This is not a proposal to increase the amount of work done by individual staff members or by Departments but to provide increased flexibility for both staff and students. It also has the potential to increase fee income to the University.

QUESTION: Should the University offer a Summer Semester?

Please respond by email to <judge@registry.adelaide.edu.au>. A faxed response on 8223 6437 is also acceptable. Closing date: Wednesday 2 April.

New Council meets

History was made on Friday 14 March when the new 20-member University Council met for the first time following changes to the University of Adelaide Act which came into force on 6 March. The meeting was also the first to operate under a more streamlined and focused system for the conduct of Council business.

Mr Richard Pash, a partner with Minter Ellison Solicitors, attended the meeting to give members a presentation on their own and the Council's duties and responsibilities.

Members of the new Council are:

Ex-officio:

The Chancellor, **Mr Bill Scammell**
The Vice-Chancellor, **Professor Mary O'Kane**

External members appointed by a selection committee:

Mr Maurice J de Rohan (Principal, London and New York of David Brody Bond, Architects and Planners, and Director, MultiFunction Polis Development Corporation)

Ms Josephine Dundon (Group Manager, Legal and Intellectual Property Group, Corporate Services Division, FH Faulding and Co Ltd)

Ms Dawn Garrett (Manager, South Australian Office, Sedgwick Noble Lowndes)

Ms Jane Jose (Principal, Jane Jose

Urban Solutions)

The Honourable Justice John Perry (SA Supreme Court)

Ms Kate Spargo (Independent Consultant with Ryan Spargo)

Mr Bruce Webb (Deputy Chairman of the Australian Minerals and Energy Environment Foundation)

Three persons elected by the Senate:

Mr Jim Bettison (Businessman)

Ms Janine Haines (former Democrats leader)

Dr Harry Medlin (Deputy Chancellor on the old Council)

Three members of the academic staff, elected by the academic staff:

Dr Peter Gill (Applied Mathematics)

Mr John Keeler (Law)

Dr Tony Winefield (Psychology)

Two members of the general staff, elected by the general staff:

Ms Janet Dibb-Smith (Director, Research Branch)

Mr David Williams (Zoology)

Three students of the University, including one postgraduate and one undergraduate student:

Ms Kym Taylor (President, SAUA, 1996)

Mr Michael Jiew (Medical student)

Mr Scott Dullaway (President, PGSA, 1996)

Memorial Service

About 200 people attended the University of Adelaide's first Memorial and Dedication Service in the memory of those people who have donated their bodies to the University for the benefit of medical science.

The non-denominational service was held in Bonython Hall on 5 March. His Excellency the Governor, Sir Eric Neal, and Lady Neal, attended.

The service invited family members and friends to pay their respects and remember their loved ones. It also allowed University staff and students to convey their thanks for the contribution made to the teaching and learning of medicine and the quality of patient care in South Australia, through the donation of bodies to medical science.

The head of the Department of Anatomical Sciences, Professor Maciej Henneberg, said it was vitally important to give family members and friends the chance to remember their loved ones, as well as showing the community that people who donate their bodies to the University are valued by staff and students.

—David Ellis

Using Genes to Get Into Shape

The shape and overall body plan of animals is encoded in the genetic information they inherit. We know this thanks to the study of a bizarre set of mutations, termed homeotic mutations, that cause entire body parts to develop in the wrong place on an animal.

On Wednesday 26 March at 12.30pm, Professor Sean Carroll will discuss changes in homeotic genes that have resulted in dramatic changes in body plans during the evolution of animals when he presents the 1997 Fisher Lecture in the Stirling Lecture Theatre, Medical School South.

Professor Carroll — who is a Howard Hughes Medical Institute Investigator of the Laboratory of Molecular Biology at the University of

Wisconsin — has established a formidable reputation in the area of developmental genetics.

Over the past few years he has turned his attention to the genetic basis of the evolution of body plans and it is this topic that he will discuss in the Fisher Lecture, entitled "Living in the Past: Hox Genes and the Evolution of Animal Body Patterns".

Professor Carroll's contribution to this area is evident from his productivity over the last few years, with numerous publications in the journals *Nature*, *Science*, *Development* and *Cell*.

The Genetics Department is sponsoring a second talk by Professor Carroll, entitled "Learning to Fly: Signal Integration and the Regulation of Insect Wing Formation", to be held



Professor Sean Carroll

on Monday 24 March at 1.00pm in the Polygon Lecture Theatre. Both of these lectures are open to anyone interested.

Business Enterprise Education Programs 1997

University staff, students and others interested in learning about some of the issues critical to starting a small business are invited to attend our Small Business Management Seminars* to be held:

1. Wednesday 16 April, 9.30am - 1.00pm

Our guest speakers will address the following topics:

- Establishing a business structure - now and for the future
- Legal issues to consider
- Two small business owners/managers will each give an account of their business experiences and lessons learnt

Deadline to register (includes fee): **Tuesday 8 April**

2. Wednesday 25 June, 9.30am - 1.00pm

Our guest speakers will address the following topics:

- Banking and finance issues for the small business
- Setting up systems for the new/small enterprise
- Business networks

Deadline to register (includes fee): **Tuesday 17 June**

Venue: University of Adelaide Thebarton Research Precinct, 35-37 Stirling St, Thebarton.

Fees: For each half day seminar: Students and concession - \$30; Non students - \$70.

*A number of sponsored places MAY be available to students on a first come first serve basis: please confirm with Joanne Pimlott, tel 8303 3476.

TO BOOK FOR THE SEMINARS PLEASE CONTACT ELENA WILSON, ENTERPRISE EDUCATION GROUP, TEL 8303 3098, FAX 8303 4844 FOR A BROCHURE AND REGISTRATION FORM.

Permaculture in focus

Permaculture is the focus of the next public lecture in the series presented by USERP (United Scientists for Environmental Protection), to be delivered by Graham Brookman on Thursday 27 March.

Graham Brookman has worked for Roseworthy and the University of Adelaide for many years and also has strong connections with the farming community.

For 14 years, he and Annemarie Brookman have been developing a 15ha Permaculture property known as 'The Food Forest' at Gawler.

Systems include agroforestry, free range poultry, organic grain production, market garden-poultry rotation, native animals as grazers, apiary, a native predator pool for pest control, bush tucker, human by-product cycling via composting toilet and

reedbed, ground water recharge, eco-education and agricultural value-adding.

Some 160 varieties of fruits, nuts, vegetables and grains are grown for both self sufficiency and the certified organic food market in Gawler and Adelaide. The illustrated talk will include tastings of organically grown pistachios and other species well adapted to the SA environment.

• "Permaculture - blending natural ecosystems, human settlement and agricultural species and systems in SA".

12.00 noon, Thursday 27 March, Charles Hawker Conference Centre, Waite Campus.

Enquiries to Dr Phil Davies, tel 8303 9494

Former shearer wins postgraduate award

Former shearer Stephen Barnett first left school at year eleven, but now is working towards a doctorate.

Mr Barnett is the winner of this year's AUGU/RC Heddle Award. The award, which is given to doctoral candidates, will enable him to go to Japan later this year to present a paper at an international conference.

Stephen Barnett completed his matriculation in 1990 through correspondence and night school and then enrolled in the Bachelor of Agricultural Science course, where he developed an interest in the biological and microbiological side of agriculture.

His postgraduate work within the Soil Biology Group of the CSIRO Division of Land and Water Management at the Waite Campus will improve our ability to control plant diseases through the use of friendly microorganisms.

A single parent, Stephen said that support through prizes and grants has been a great source of encouragement and motivation to him during his studies.

As an undergraduate he received the National Farmers

Federation Prize and the DB Adams Memorial Prize.

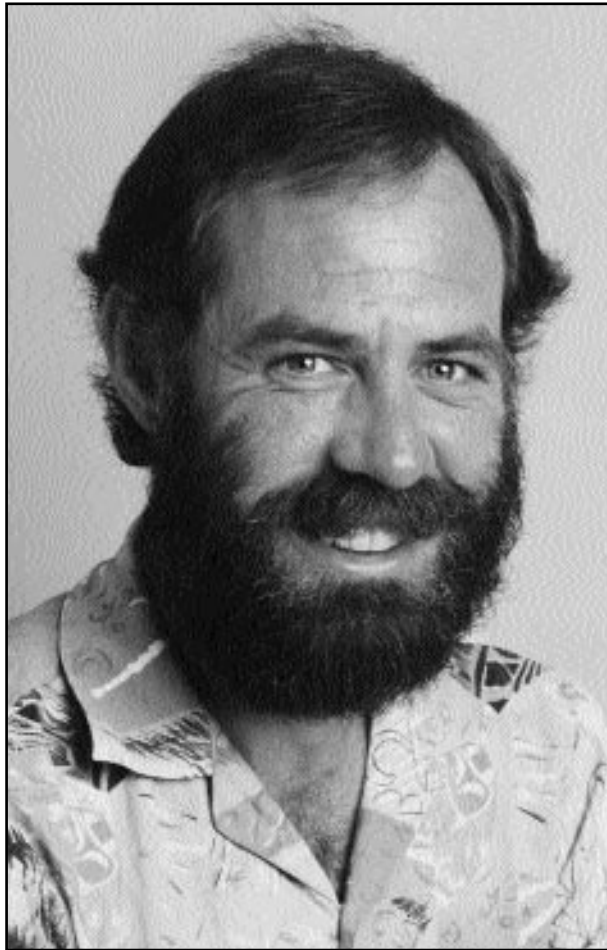
In the last few years applications to the Heddle Award Committee have shown a particular need for support for doctoral students to travel — both to present their work at conferences and to learn new research techniques directly from their source.

This is supported by the results of a yet-to-be-released survey of postgraduate students conducted last year within the University.

Committee Convenor Peter O'Keefe says, "The need for grants of this kind far exceeds the resources available and the Alumni Association would like to be able to increase the amount of support for postgraduate students."

He adds, "To do this, the Association needs the assistance of alumni and others who recognise that today's doctoral students are the shapers of tomorrow. It is important that we are able to give them the support they need now, to help them maintain their leadership in a world where knowledge is becoming the most important commodity."

—Adrienne Eccles Stephen Barnett — prize a great encouragement



The AUGU/RC Heddle Award is an annual award administered by the Alumni Association. Established in the early 1980s by the then Adelaide University Graduates' Union, the name of the late Dr RC (Bob) Heddle was incorporated to commemorate his services to the University community, particularly his establishment of the first University health service for students. Bob Heddle was President of the Adelaide University Graduates' Union from 1978 to 1982.

The AUGU/RC Heddle Award provides a significant opportunity for Adelaide University alumni and the University community to support their alma mater's long and proud tradition of training researchers whose work will in turn change the world for the better.

Further details about this Award and how to make a tax deductible gift to the fund can be obtained from the Alumni Office, 8303 5800.

Alternatively you may wish to explore the possibility of establishing a similar fund to support another postgraduate award. Should you wish to do this call the Director Alumni Relations, Geoffrey Sauer, on 08 8303 4277.

Alumni IN BRIEF

Nobel Laureate to give Foundation Lecture

1996 Nobel Laureate Professor Peter Doherty will give a University of Adelaide Foundation Lecture on Friday 18 April 1997 in the Bonython Hall at 6.00pm.

The title of the Lecture is "Dealing with Viruses".

There will be no charge for admission but in view of the likely large attendance an entry ticket will be required. Call the Alumni Office on 34275 to obtain your tickets.

The Mathematics of Money

The Science and Mathematical Sciences Chapter's 1997 Public Lecture Series will open with a presentation by Professor Robert Elliott on "Markets, Money and Mathematics". Professor Elliott lectures in the Department of Applied Mathematics.

The lecture, to be held in the Horace Lamb Lecture Theatre at 7:30pm on Thursday 3 April, is free and is open to the public. Individual, family and group bookings are all welcome. Please contact the Alumni Office to obtain a free ticket to guarantee your seat. Phone 8303 4275 or email eccles@registry.adelaide.edu.au.

Science/Maths Sciences AGM

A final reminder that the Science and Mathematical Sciences Chapter's Annual General Meeting will be held on Wednesday 26 March at 5:30pm in the Science Faculty Meeting Room, level 5 Oliphant Wing. All graduates and friends of the Faculty of Mathematical and Computer Sciences and the Faculty of Science are invited to attend. Further information may be obtained from Adrienne Eccles at the Alumni Office, 8303 3196.

'A Portrait of John Bray' Launched

A collection of essays by people who knew and respected John Bray and were part of his large and diverse circle of acquaintances was launched on 13 March, fittingly, in the Institute Building on North Terrace. Over 100 people attended the launch and a great many of them had been acquaintances also of Bray.

Publication of the volume was overseen by an ad hoc committee chaired by the Hon Justice John Perry who introduced former Premier Don Dunstan who in turn launched the book.

Edited by Professor Wilf Prest, the book includes essays by Peter Ward, Dame Roma Mitchell, Arthur Rogerson, Michael Abbott, Andrew Ligertwood, Michael Kirby, Jean P Whyte, Brian Medlin and Andrew Taylor. All of the essayists were pre-

sent at the launch except for Michael Kirby (the High Court was sitting that day).

The book is as much a tribute to John Bray and his "awesome intellect which spanned a great knowledge and appreciation of the classics and the law" as it is a reflection both upon the contributions of someone who gave far more than he received and the social, literary, cultural and legal history of South Australia and Australia for the greater part of this century.

A Portrait of John Bray: Law, Letters, Life is published by the Wakefield Press in association with the John Bray Law Chapter of The University of Adelaide Alumni Association, The University of Adelaide Foundation and the Libraries Board of South Australia. Publication was generously supported by both the The University of Adelaide

Foundation and the Libraries Board of South Australia.

Proceeds from the sale of the book will benefit the John Bray Law Chapter of the Alumni Association.

[Special thanks to Peter Lehman Wines and the State Library for their support of the launch].

—Geoff Sauer

• *A Portrait of John Bray: Law, Letters, Life* is available in hard and soft cover editions from the Alumni Office at the University. The price including postage is \$32.00 (soft) and \$55.00 (hard) To order a copy please call (08) 8303 5800 and quote your Bankcard, Visa or Mastercard number. Fax your order on 08 8303 5808 or email to gsauer@registry.adelaide.edu.au or call in person at Alumni House in Kintore Avenue in the city.

1997 Earth Sciences educational tours

The University of Melbourne School of Earth Sciences, in cooperation with colleagues from The University of Adelaide, is offering three educational tours in 1997, designed to appeal to geology graduates, as well as alumni and friends of the two Universities without any prior geological knowledge.

Articulate and enthusiastic academics from the two Universities will provide expert guidance. Places are limited to approximately 20 on each tour to maximise your enjoyment. Only limited places remain on the Flinders Ranges tour.

In the Footsteps of Mawson: a Geological Tour of the Flinders Ranges 2-10 June, 1997: \$1575 p.p., twin share.

The Flinders Ranges offer a scenic natural laboratory full of evidence

for a wide range of processes that have affected the earth. The tour takes in a number of well known and out of the way geological sites, many discovered by Sir Douglas Mawson and his students. Highlights include fossil evidence of the earliest animals on earth, unusual minerals at Mount Painter, evidence of ancient extreme climates, the scenery of the central Flinders Ranges around Wilpena Pound, and the rugged beauty of the Arkaroola Sanctuary.

Tour Leaders: Assoc Prof Vic Gostin (University of Adelaide) and Prof Ian Plimer and Dr Malcolm Wallace (University of Melbourne).

Australia Adrift: the Break-up of Gondwana 7-13 December, 1997: \$1290 p.p., twin share

Australia was once part of the southern supercontinent, Gondwana, and was freed only 50 million years

ago to become an island continent with a gradually evolving unique flora and fauna. This tour follows the Great Ocean Road west from Geelong and continues on to Mount Gambier in South Australia, explaining the geological events that took place along our southern coastline.

Highlights include the coastal scenery and how it reflects continental break-up, remnants of Gondwanan forests and the beautifully preserved volcanoes in western Victoria and South Australia.

Tour Leaders: Assoc Prof Vic Gostin (University of Adelaide), Dr Anne Felton (University of Hawaii) and Dr Carol Simpson (University of Melbourne).

• Contact Suzanne Baxter-Smith in the School of Earth Sciences on (03) 9344 6520 or Carol Simpson on (03) 9397 6743 for details of any tours.

Advertisement

Thebarton steps up green initiatives

The University of Adelaide's Thebarton Campus has been doing its bit for the environment by getting involved in a range of "green" initiatives.

A meeting of the Kids Congress For Catchment Care was held at the campus last month, bringing together students from dozens of South Australian schools, University scientists and environmental experts, KESAB, local councils, and the State Government.

Aimed at increasing students' knowledge of waterways and their ecology, the congress promotes issues such as revegetation and litter control.

The students themselves become the decision makers, developing new environmental projects and encouraging their friends and families to take

care of the environment at a local level.

A major event, the National Kids Congress, will be held at the University of Adelaide in October.

Meanwhile, the Thebarton Campus has "adopted" a patch of the River Torrens to create a "living laboratory". Adoption of river patches is being promoted by the River Torrens Water Management Board in a bid to clean up and revegetate the Torrens.

The Thebarton Campus, in collaboration with the Thebarton and Hindmarsh Rotary Clubs and SA Brewing, has adopted a patch of the river between the Port Road and South Road bridges.

This area is to be used in the study of feral and indigenous animal life, monitoring of the level and effects of

pollution, monitoring the effects of flooding, and for the study of the history of human usage and environmental change in that section of the river.

On "Clean Up Australia Day" (Sunday, 2 March) about 50 University staff, including the Vice-Chancellor, Professor Mary O'Kane, Thebarton Campus commercial tenants, and members of local community groups pitched in to clean up around the adopted patch of the Torrens.

Paper, metal scraps, dead wood, plastic, needles, and other items were all removed from the riverbank. The most interesting finds of the day were a wallet full of plastic bank cards, a radio, a calculator, and a 1930s English penny!

—David Ellis

DNurs under way

The first students to undertake a professional doctorate at the University of Adelaide have begun their studies with the Department of Clinical Nursing.

Applications for the DNurs were received from around Australia and New Zealand. The professional doctorate is equivalent to a PhD but is designed to have a larger coursework component and a strong emphasis on workplace-related research, making it ideal for senior practising nurses who wish to further their study.

Helping the Department celebrate its first intake of DNurs students were three visiting academics, Dr Marjorie Gott (formerly of Open University, UK), Professor Shaké Ketefian (University of Michigan) and Professor Judy Lumby (University of Sydney).

Professor Ketefian presented Clinical Nursing with a certificate, congratulating the department on its new DNurs degree.

—David Ellis



1997 DNurs students. (from left): Edwina Thomas, Jennifer Austin, Jocelyn Parkes, Trudy Wright and Sigrid Birzer. Photo: David Ellis.

ACCOMMODATION

ADELAIDE: Walk to Uni from SE city, furn Granny flat. Ideal for single person. \$95 pw (incl elec & phone). Avail now. Ph 8223 2707.

BELAIR: House (with cat) in Belair from mid June to end Sept 1997. Fully furn, next to train and bus services. Reasonable rent. Contact Miles Ph 8278 6953

CLARENCE PARK: House avail 16 April - 16 July 97. Suit mature couple visiting. Ph John or Dominique (618) 8272 0320.

GILBERTON: 3 lge brs, main with en-suite, 2 bath-rooms. Formal dining and sep sitting rm, new kitchen. Dble lock-up garage with remote control & cellar. R/c air-cond. Low maintenance garden with watering system. Ph 8267 4446.

GILBERTON: 2 br townhouse in beautiful garden setting with carport under main roof. 10 mins bus trip to the University. \$140 pw Ph 8223 2366.

GLEN OSMOND: Unfurn (some b-ins) 2-3br house. Close to trans & schools. Walking distance to Waite. No pets. Lawns mown. Available late May \$200 pw + bond Ph (08) 8379 4869.

GLENSIDE: 3 brs plus

study, lounge, dining, separate games room, garage and carport. Air cond. \$175 pw Ph 8407 9684 (w) 8223 1431 (h).

HAWTHORN: Lge 1 br unit with b-in wardrobe, living room, kitchen with gas stove. On bus route to Uni and close to Waite. \$80 pw Ph Lynn 8431 6088.

HAZELWOOD PK: Self contained granny flat. Fully furn, including linen. Garden outlook. Own entrance. Near bus stop. Quiet surroundings. \$110 pw includes electricity. Ph 8379 2715.

MILLSWOOD: 3br fully furn house to rent 28 July-23 Dec 1997 with crockery, cutlery, linen etc. 2 bath-rooms, lounge rm, sep dining & family rm. Small, low maint garden. Ph Vicki 8303 5024 (bh) 8351 1656 (ah) 8303 4344 (Fax) E-mail: vwaye@law.adelaide.edu.au

MITCHAM: Fabulous views. Spacious 2br + study, close to Waite. \$185 pw. Avail end April. Ph Sonia 8303 7392 (w) or 8271 9711 (h).

NORWOOD: A furn br available in 3 br house from early May - August. \$60pw. Ph Nicki 8303 5899 (w) 8362 8999 (h).

ROOM AVAILABLE: Female (pref) to share quiet comfortable house with

Adelaidean

CLASSIFIED

1M/1F in North Adelaide. Close to shops, transport, swimming centre, cafes. Good sized rm. Suit post-grad or mature age student. \$65 pw + bond & exp. Ph John or Siobhan 8361 8726.

ST PETERS: Lovely villa, new kitchen, 2 bath-rooms, large garden, all mod conveniences. To Uni, to shops, to others. \$85 pw + expenses. Ph Lan 8303 3106 or 8363 1999 (h).

VIVONNE BAY, KI: Holiday house, beautiful beach, bush, self-contained, architecturally-designed, sleeps 5. Ph 8388 6404.

WANTED: Accommodation for visiting Japanese academic and family, 20 July - 10 August, 97. Walking distance or accessible transport to North Tce. Ph Nalini 8303 3714 or Ann 8303 5079.

WATTLE PK: Spac family home, 3 bathrooms with pool and lock up 2-car garage, fabulous views, 12 mins from North Tce. Close to schools and transport. Fully furn and equipped with linens and china etc. Suit visiting academic. Avail 1 May-1 January (length of ten-

ancy and rent negotiable). Ph Victor 8281 6103 or fax 8281 6334.

FOR SALE

DESK CHAIRS: 2 ergonomic chairs, as new, maroon tapestry covering. \$200 ea. Ph 8362 0035.

DOUBLE BED ROOM MATRESS: Exc cond. \$40. Ph Leah 8303 3821

HONDA CIVIC: 1974, 4 spd manual, runs well, stereo, tinted windows, economical, good city runabout. SUJ 523. \$1300. Ph Lan 8303 3106 or 8363 1999 (h).

MACINTOSH SOFTWARE: Apple Media Tool V1.2, multimedia for Mac and Windows 68K/Power Mac, \$100 ono. At Ease V3 Finder replacement for students/Kids, \$40 ono. Claris Organiser V1 Personal Information Manager, \$40. ono Ph/fax lan 8351 9521.

MATTRESS: Queen size, 16 mths old, exc cond, near new. \$115 ono. Ph 8371 4192

MISC: Futon Bed - Single with mattress, as new, \$180. Kitchen chopping trol-

ley \$85, BBQ Japanese Kamado/Weber-style pottery oven \$89 Typewriter, Adler manual portable \$85 Exc cond. Ph 8294 4715.

NINTENDO ENTERTAINMENT SYSTEM: With two pads and a shooting gun, 9 great games. \$100 Ph 8297 1848 (after 8pm).

TECO ROOM AIR CONDITIONER: Exc cond. 3/4 HP 5 yrs old, hardly used. \$250 Ph Leah 8303 3821.

TELEVISION: Teletext colour Orion, 51cm, remote, exc cond. \$350 Ph 8297 1848 (after 8pm).

VIDEO: Akai, intelligent-HQ, remote, quick start function menu control, digital, tracking control. Model VS-F260, 1yr old. \$250ono. Ph 8297 1848 (after 8pm).

VIDEO: National, remote, very good cond. \$100 Ph 8297 1848 (after 8pm).

DEPARTMENTAL

FORD FUTURA STATION WAGON: 1995, white, VTW202, 40,000km, ABS, a/c, auto, cruise control, drivers airbag, floor mats, mudflaps, adj. air shockers, class 1 tow pack. Inspection: 26 March, 1997 10am-12noon. Ph David Harris 83037455 Tenders in a sealed envelope marked Tender No. W209 to

Purchasing Manager, Waite Campus by 1 April, 1997.

LASERWRITER 11: Very good working order. Comes with 5 toners. Inspection by arrangement. Ph Lisa Pettit 8303 5174. Tenders to Patricia Cree, Director PR&M by Friday 4 April, 1997. No tender necessarily accepted.

MITSUBISHI EXPRESS VAN: 1993, White, VMF 256, 22,800km, manual. Sale by tender. Inspection: Tues 1 April, 1997 at 10am. Ph Stephen Harland 83035772 Tenders in a sealed envelope marked Tender No. W208 to Purchasing Manager, Waite Campus by 4 April, 1997.

MITSUBISHI MAGNA STATION WAGON: 1994, white, VNB499, 38,500km, a/c, auto, car immobiliser, mudflaps, tow pack 1600kg Sale by tender. Inspect 26 March 9.30-11.30am. Ph. K McKenzie 8303 5164. Tender in a sealed envelope marked Tender No. W207 to Purchasing Manager, Waite by 31 March, 1997.

MISCELLANEOUS

WORD PROCESSING: \$2.75 per page, after hours service, professional formatting of WP on disk. Ph Anne Every 8212 6869 or 8415 7866.