

ADELAIDEAN

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NEWS FROM THE UNIVERSITY OF ADELAIDE

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New centre to ensure a future for SA coal

UNIVERSITY OF ADELAIDE researchers will play a key role in a \$47-million cooperative research centre (CRC) which could have a significant impact on reducing greenhouse gas emissions globally.

The new centre, to be known as the CRC for Clean Power from Lignite, aims to develop technology to cut greenhouse gas emissions from high moisture (lignitic) coal used to generate electricity, while lowering costs at the same time.

Adelaide University will participate in the new research institute in collaboration with two other universities, members of the South Australian and Victorian electricity industry, the CSIRO, and the Victorian and Commonwealth Governments.

As part of the CRC, the University of Adelaide will become involved in a South Australian research program worth more than \$5 million over the next seven years.

The impact of increasing greenhouse gas emissions on climate is regarded as the world's number one environmental problem. Even so, the use of low-rank coal or lignite—a major source of greenhouse gases—is expected to rise with the demand for electricity in developing countries in the 21st century. So the Centre's work in decreasing emissions is important in a worldwide context. It could also allow South Australia to exploit its large reserves of lignite.

"The Faculty of Engineering, Computer and Mathematical Sciences has developed an international reputa-

tion for its combustion research group, centred in the Departments of Chemical and Mechanical Engineering, which is investigating industrial processes for efficient and clean methods for combustion," says Professor Ian Young, the Faculty's Executive Dean.

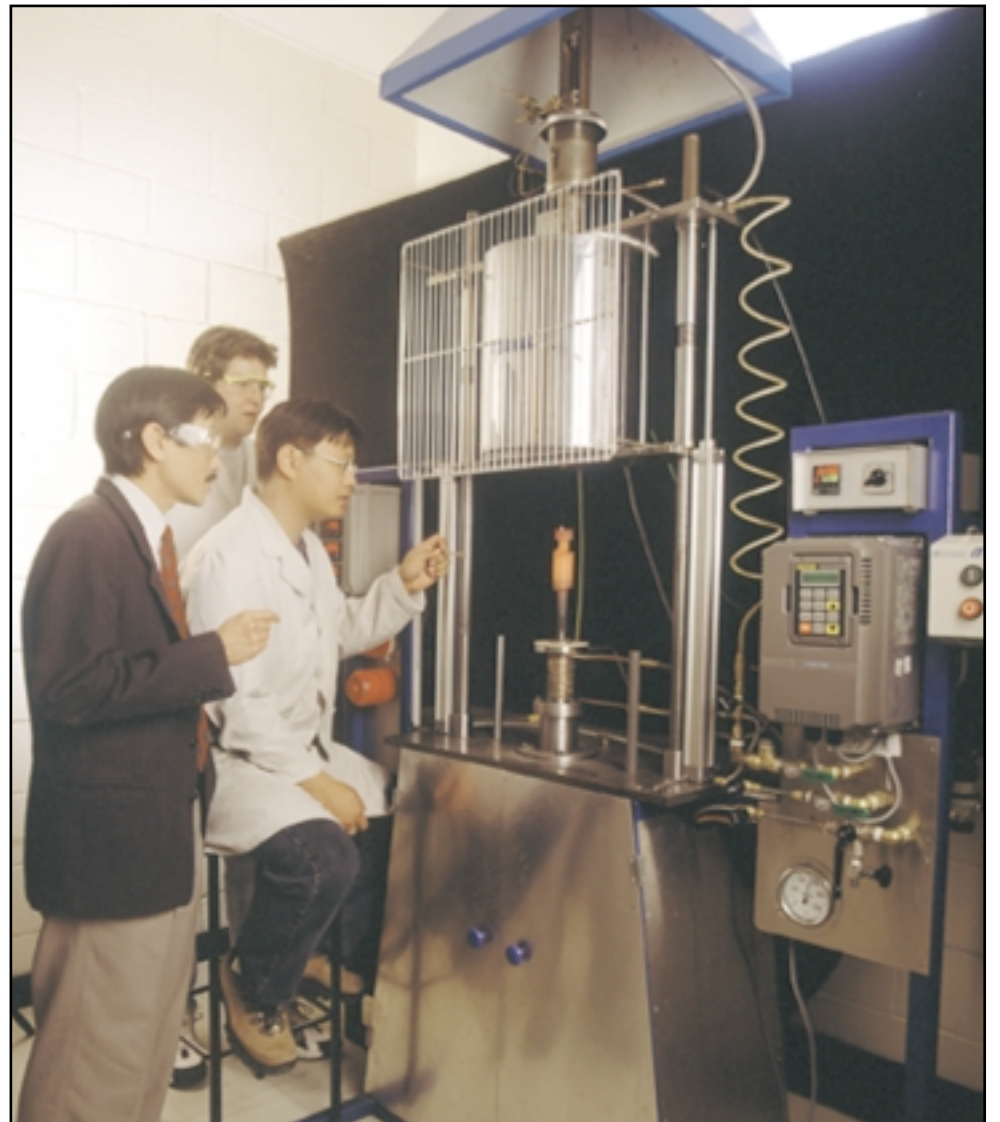
"The CRC for Clean Power from Lignite provides an invaluable interface between these researchers, industry and related technology developments.

"The existence of the CRC provides the critical research mass required for the conduct of research in this area. The potential research output of the CRC will be of great importance to South Australia, with its extensive deposits of lignitic coal."

The CRC Clean Power will extend and apply the work of the existing CRC for New Technologies for Power Generation from Low-Rank Coal which is developing an advanced combustion system to increase by about a half the amount of power able to be generated from high moisture lignite. This will decrease greenhouse gas emissions by about a third compared to existing power stations.

The new system, known as Advanced Pressurised Fluid Bed Combustion (APFBC), combines several innovative technologies to dry, gasify, and burn high moisture coals. South Australia has large and accessible resources of this type of coal at Lochiel, Bowmans and Kingston, but they cannot be used as a power source with the present technology.

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Dr Nguyen, Mr Miller and Mr Tonmukayakul with the High Temperature Rheometer at the University of Adelaide. Photo courtesy of the CRC Clean Power.

Trafficking in migrants outpaces the law

AUSTRALIA'S immigration laws have failed to keep pace with the multi-billion dollar migrant-trafficking industry, a seminar at the University of Adelaide heard recently.

Andreas Schloenhardt, a PhD student at the University's School of Law, said that migrant trafficking was one of the world's fastest-growing and most profitable illegal businesses.

It had become a major activity and an important source of income for criminal organisations at both national and international levels, he said.

Mr Schloenhardt is researching migrant-trafficking in the Asia Pacific region—and drafting legislation to combat it—as part of his PhD thesis.

"As countries restrict entry to their territories and access to their asylum and immigration systems, migrants have started looking for

alternative ways of leaving and entering countries," he said.

"This has opened new opportunities for transnational organised crime that has increasingly become involved in the business of migrant trafficking.

"However, increasing publicity and media reports about 'boat people' and other forms of illegal migration have not meant an enhanced awareness on the part of legislative and administrative authorities about the realities of illegal migration and organised crime.

"While criminal organisations have become increasingly transnational, law enforcement in Australia and the Asia Pacific region has remained mostly local and national.

"The existing laws do not yet address the core of the problem: the international and economic dimension," he said.

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Andreas Schloenhardt. Photo: John Drislane



THE UNIVERSITY OF ADELAIDE

1874-1999

Celebrating 
125 years

COMMENTARY

SHIP FOR WORLD YOUTH: A LIFE-CHANGING EXPERIENCE

Life-changing experiences occur when we least expect them. While queuing for lunch last year, I learnt about the Ship for World Youth. A friend recommended I apply and explained a little about it. The program is sponsored and coordinated by the Japanese Government, which invites a host of countries to select youth representatives of their country to attend the program. The participating youth join with about 160 Japanese youth from a variety of backgrounds and board a ship to sail the high seas. What better way could one's summer holidays be spent, I wondered.

After meeting in Sydney in early January, the Australian delegation departed for Tokyo. Coming from a myriad of backgrounds, spanning students, professionals in government and private business, many facets of Australia were represented—from recent immigrants and first-generation born Australians right through to those descended from early settlers, convicts and Indigenous Australians, all between the ages of 20 and 30.

We soon met the delegates from the other invited countries: Canada, the United States, Mexico, Venezuela, Ecuador, Peru, Uruguay, Fiji, Tonga, the Solomon Islands and New Zealand. Together we stayed at the Keio Plaza Hotel in downtown Shinjuku and participated in cultural excursions of traditional and modern Japan, before travelling to the regional prefectures for a three-day homestay with a Japanese family. Returning to the Olympic Youth Centre in Tokyo, we met the Japanese delegation and

attended cultural seminars at the United Nations University there before boarding the Ship.

The Ship for World Youth program took place aboard the Japanese 21,000 tonne cruise liner, the *Nippon Maru*. For almost two months, we toured the South and North Pacific Oceans, visiting the Solomon Islands, Tonga, Tahiti, Ecuador, Mexico and the US (Hawaii). While at sea, the first few weeks were spent preparing for and presenting the National Presentations for which each delegation was given an hour to showcase its country to the other youth, administrative staff and advisers.

The Australian presentation introduced the history and culture of the nation, largely through drama, music and dance. While some delegations focused only on the positives holding touristic appeal, the Australians presented a country that was honest about its failings, especially with regard to the treatment of the indigenous peoples over time, as well as proudly introducing the Sydney Olympics.

We attended lectures and seminars prepared by resident academics on global, political and cultural issues such as the environment, the United Nations and intercultural communication, among others. Discussions were also organised to facilitate the sharing of cultural experience on topics such as the family, education, health and the position of women in society. It

by
Kirsty J Munro
BA (International Studies), 1999
now at Burgmann College
Australian National University

was fascinating to consider the issue of religion and its power in shaping the Latin societies, and questioning which countries seemed conservative, and to

whom.

Many delegations included representatives of their indigenous peoples who organised discussion groups to talk of their people in relation to their country's history. The first and second generation of Japanese to live overseas gave moving accounts of what it was to be both Japanese and foreign, and sometimes feel neither. These discussions were indicative of the incredible richness of culture and experience shared by those on the boat.

Sports committees were elected to organise events for sports days, while at other times we attended club activities. These included Spanish and Japanese lessons, Latin American dancing, taiko drumming, traditional dances and songs of the island nations and an African American gospel choir. While meeting on occasions as a national delegation, we also met at the end of the day in our 'letter groups', which comprised one person from each delegation including one national leader, plus about five Japanese youth. The letter groups were responsible for morning assembly where the national flag of the respective group's leader was raised while the national anthem was sung, and daily notices were given.

One night, the Ship's captain turned off all boat lights and conducted a stargazing evening, pointing out constellations. On another evening, a peace seminar was held. Parties followed each National Presentation, with delegations offering sponsored food and drink of their countries. Every six days, the events organised by the Japanese administrative staff were relaxed while we enjoyed a day of rest, reading, listening to music, and sunbaking on deck chairs as the Pacific Ocean unfolded behind us.

While in port, we took part in cultural activities organised by both the governments of Japan and the host country, and always found time to traipse around as tourists, visiting local markets for food and produce, buying souvenirs, and swimming in the crystal clear sea.

It is strange to look back on the experience now and to realise that it is not the geographical destinations that feature in my recollections. Rather, the presence of sea surrounding us brought peace and calm to our floating island home. People and places who once were 'exoticised', so foreign and unknown, now feel like my extended family, their countries just another home to me. The Ship experience changed so much of my life, my outlook and my understanding of other cultures in a way that is hard to put into words. Yet when I reflect, it is the stories I heard, the memories, the music, dance and festivities of the Ship life and the dear friends who shared them with me that remain close to my heart.

Celebrating 
125 years

FROM NEAR AND FAR

DR PETER CAHALAN received his BA (Hons) History from the University of Adelaide and, after teaching History at Adelaide secured his doctorate in British History from McMaster University in Hamilton, Ontario. On his return to Australia he taught History at Latrobe and Adelaide Universities before taking up in 1978 the position of founding Director of the Constitutional Museum. In 1981 he became Acting Director of the History Trust of South Australia and its first Director in 1982. The History Trust manages the Migration Museum, the National Motor Museum and the South Australian Maritime Museum and advises and assists South Australia's 180 local museums and 150 historical societies.

Peter Cahalan has a particular interest in fostering the work of community-based historical groups such as local museums and the family history movement. He has been the Chairperson of the Standing Committee of Museums Australia on Regional Local and Specialist Museums and Galleries, 1994-98.

The past has to be useable when there's a lot to say and little space in which to say it.

First, the bare bones of my time at Adelaide look thus. I came to Adelaide in 1965 as a working class boy from a country town. I was put through University courtesy of the Education Department and could never have done it otherwise. (I actually wanted to teach but never ended up in a school—which was exactly the reverse

experience to that of many of my friends!) I took an arts degree with majors in English and History and a sub-major in Latin. I tossed up for a short while whether I wanted to aim for an honours degree in English or History. I found History a bit more challenging; an elegant style and internal logic weren't enough—you had to also deal with the grittiness of evidence, of fact.

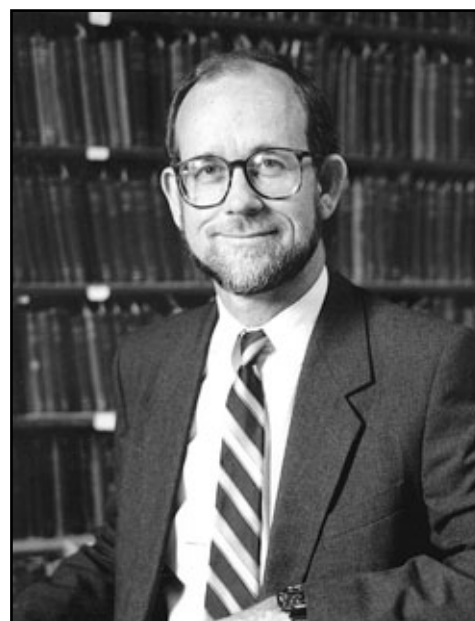
I also had a revelatory moment when, in a 5.15pm English lecture, the lecturer stopped in mid-sentence—he was speaking about Milton and the word on his lips was "love"—to berate a couple of acquaintances of mine who had to leave early to get the next train to Elizabeth or wait a full additional hour. At that moment several of us decided that it was the History Department for us. Some excellent teaching later from other English Department members came too late to change our minds.

My four years of study at Adelaide were the richest period of intellectual and personal growth I've ever had. Some of that growth I would undoubtedly have experienced wherever I'd studied. Some was specific to that time and that campus.

The key elements were great teaching and a stimulating student life:

First, the teaching. Here the keys were:

- Small class sizes for tutorials. Actually, the History Department couldn't afford first year tutorials in 1965 and that gap was very well sup-



Dr Peter Cahalan—student life as important as the teaching.

plied by the Teachers College. But after that I was always in fairly small tutorials of about 6 to 8 students. The peak experience was studying Nazi Germany with Peter Phillips in History IIA and reeling away after a four hour initial tutorial which set the pattern for the rest of the year. The six of us were put through an emotional, intellectual and ethical wringer and were forced to argue against a relentless devil's advocate. Asian History the next year likewise forced me to re-evaluate my Catholic patriotism about the Vietnam commitment and pushed me by 1968 to an opposition to the war which was strong but more anguished

than the black and white certitudes of some of my friends.

- I owe the teaching one other thing on reflection: all three departments were rigorous about style and logic. The History Department was liberal with some New Left influences entering it. This was a time before the later flight of some sectors of the humanities into the opaqueness of the worst of postmodernism. This training in clear expression helped me enormously when I undertook my PhD in Canada.

The student life was, however, as important as the teaching. There was a flourishing network of student societies almost all sheltering under the umbrella of the Student Union. I joined religious societies. This was a great time to be a Catholic at University. The Second Vatican Council finished just as I was starting my studies. I joined the Aquinas Society and was one of the first Catholic members of the Student Christian Movement. I also enjoyed close links with members of the Lutheran Student Fellowship. Apart from making lots of friends and having a great social life—more than once at the expense of my formal studies—I was pushed and shoved through a Copernican shift in my thinking about religion, spirituality and ethics.

The religious societies not least introduced me to students from outside the arts who brought very different sources of inspiration to our theological discussions.

Continued Page 6

Adelaide decision 'the right one'

SCIENCE AND ENGINEERING student Jennifer Selway is this year's recipient of the Claire Corani Memorial Prize for women in physics.

The annual prize is named in honour of a graduate of the University of Adelaide, Claire Corani, who was an active member of South Australia's Women In Physics group until her tragic death in 1994.

The prize is awarded to the best female student in second-year Physics in a bid to promote physics as a career for women.

Ms Selway is studying for a double degree in Science and Engineering (Civil and Environmental Engineering).

When Ms Selway began her studies at the University of Adelaide in 1997, she was one of the first students to receive the prestigious Adelaide Achiever Scholarships. The \$1000 scholarship recognised her excellent achievement during Year 12, for which she received five perfect scores. Ms Selway was also awarded a HECS exemption scholarship from the University of Adelaide Alumni Association.

She said her decision to study at Adelaide was the right one.

"It's a good university. I couldn't really see the point of going to Melbourne, because the cost of moving and living over there would offset whatever scholarship you



Jennifer Selway—Claire Corani Memorial Prize. Photo: David Ellis

would get from them. I'm fine here in Adelaide, and the courses are very good quality. Hard work, but good quality," she said.

The Claire Corani prize is the first prize for academic excellence Ms Selway has been awarded since starting her studies at the University.

She received the prize at a public lecture given last month by world-renowned physicist Professor Jocelyn Bell Burnell.

Ms Selway said that she was grateful for the \$200 prize, which was "a nice incentive" to keep on with her studies.

—David Ellis

University of Adelaide to leave AHEIA

THE UNIVERSITY OF ADELAIDE will leave the Australian Higher Education Industrial Association (AHEIA), the Vice-Chancellor, Professor Mary O'Kane, has announced.

Professor O'Kane said the University of Adelaide was a unique entity that required a unique approach to industrial issues.

"As we enter a new Enterprise Bargaining round within the University, I am very much focused on ensuring the best outcomes for our staff and the University as a whole," she said.

"AHEIA's focus is necessarily on the entire sector which includes a diversity of universities, all with different strengths, weaknesses and priorities.

"I am confident we can advance the interests of the University of Adelaide more effectively outside AHEIA."

The decision means the University will represent itself before the Industrial Relations Commission and in negotiations with relevant unions.

From laboratory curiosity to Green Chemistry Award

A CSIRO SCIENTIST who obtained his PhD from the University of Adelaide has won the first national award for environmentally-friendly chemistry.

Melbourne-based Dr Chris Strauss has been named winner of the Royal Australian Chemical Institute's (RACI) inaugural Green Chemistry Award for his pioneering work in the field of microwave-assisted organic chemistry.

A graduate of the University of Sydney (BSc Hons, 1963) he completed his PhD by half-time study at the University of Adelaide in 1983.

The Green Award honours the work Dr Strauss and his CSIRO team have done in inventing, and developing commercially, new microwave reactors.

The team's continuous flow system is now being distributed globally under licence.

"These systems have enabled us to develop a range of new processes and products for environmentally-benign organic chemistry, in particular the manufacture of pharmaceuticals and other high-value, low-volume chemicals," Dr Strauss said.

"Green chemistry is immensely

important for ecologically sustainable manufacturing, decreasing waste residues and eliminating toxic effluents. The RACI has recognised this and it is a great honour to have received the inaugural award for my contributions so far.

"Of course, our outcomes are the result of teamwork and I greatly appreciate the dedication of my group in this regard."

Dr Strauss was nominated for the Award by the Committee of the Organic Division of the RACI.

Dr David Hamon, Senior Lecturer in Chemistry at the University of Adelaide, who is the South Australian representative on the committee, said Dr Strauss had made a major contribution to microwave chemistry.

"Chris Strauss' work has helped transform microwave chemistry from a laboratory curiosity into an important field for which dedicated international conferences are now held regularly," Dr Hamon said.

"Chris is regarded not only as a pioneer in microwave-assisted organic chemistry but as an authority in the field."

—John Drislane



In it to win it

I am constantly amazed and intrigued by the exploits and achievements of those associated with the University of Adelaide. This week the University of Adelaide Women's Club celebrated its Seventieth Anniversary with a brilliant suggestion of its President, Felicity Brake. Members told their own stories of significant events and milestones in the life of the Club, creating an instant, celebratory oral history.

Last weekend the Alumni Chapter in Hong Kong conducted its first major function in the form of an Alumni Ball—a glittering occasion held right on the beach at Repulse Bay. It was one of the most outstandingly organised and charming Alumni functions connected with any university I have ever attended. Congratulations PK, Nick and all the team in HK!

On a slightly sadder note I noticed in this week's *Australian* an obituary of Graham King who studied at the University of Adelaide in the late 40s. King, who was a major marketing figure in Murdoch newspapers, was also quite a character with a wide range of interests. He produced a biography of Zola and a thriller; he was also a poet, water-colourist, landscape gardener and collector of books. He may however go down in history for inventing the phrase "You've got to be in it to win it", which was part of an advertising campaign developed to launch the New York State Lottery in the seventies. This must be one of the most successful marketing catch-phrases of the 20th century. It is a phrase now used often in daily life, and one which Graham King's old university has taken to heart.

Following the recommendation of this highly useful slogan has brought us some appropriate recognition. In recent years, for example, we have tended to be more systematic about submitting applications for national and international medals and prizes for the staff and students of the University; and given the quality of education and research here, many awards have been won. But sometimes we think we have to be "in it", without always counting the full cost. In particular I note the wide range of subjects that we now have on offer. We have been committed to promoting the University as an institution offering very broad fields of study. This in turn has led to enormous stress on staff and bewildering choice for students, who may be more worried about what they can't study than what they can. And I have often mentioned the way in which the Commonwealth manipulates our activities with its performance funding schemes and targeted programs. Universities in Australia seem to enter these competitions without always working out whether the eventual gain will be worth the effort.

"You've got to be in it to win it" may be an appropriate slogan for the late 20th century. As we move into the 21st, we must remember it is necessary to be in the competitions if we are going to stand a chance of winning them; but we must become even smarter at playing these games if our wins are to be real.

MARY O'KANE



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Piltawodli: remembering the 'possum house'

Ngadlu kundo punggorendi...

"Our hearts are heavy at his absence...."

WELL BEFORE the University of Adelaide was established on the banks of the Torrens, another learning institution was being established a short distance down the river.

The institution was a school for Aboriginal children, run by Lutheran missionaries who believed passionately in teaching the children in their own language—Kurna.

But the school was always under threat. The heartfelt words above were part of a petitioning letter written in Kurna by student Itya Maii, signed by nine of the school's children and sent to Governor Gawler in 1841.

The letter encourages Gawler to stay in the colony. Gawler was sympathetic to the teaching of Aboriginal languages and the missionaries feared his successors would, like many colonists at the time, disapprove of their methods.

The fears were well-founded. The school, in an area known

to the Kurna people as Piltawodli ("possum house"), was closed by Governor Grey in 1845 after running for five-and-a-half years. Soldiers tore down the Aboriginal people's houses and the children were relocated to the Native School Establishment on Kintore Avenue, where they were taught in English.

The Kurna language was subsequently all but lost, with the last fluent speaker dying in 1929.

Now, the site of Piltawodli will be marked with a plaque recording its history.

Adelaide University linguist Dr Rob Amery, whose PhD thesis was on the reclamation of the Kurna language, has, with the help of Nelson Varcoe, Kurna elders and others, drafted the text of a plaque that the Adelaide City Council has agreed to place at the site, just north of Torrens Lake.

"Piltawodli is important because almost everything we know about the Kurna language was recorded from Kurna people who lived at Piltawodli by Europeans who

also lived there or frequented the site," Dr Amery said.

Dr Amery has been a key player in the reclamation of the Kurna language, using letters and other materials produced by Lutheran missionaries and their students, colonial officials and others.

Among the discoveries are hymns, letters and a protest song written by Kurna man Ngurpo Williamsy, the words of which will be included on the Piltawodli plaque: *Wanti nindo ai kabbakabba? Ningkoandi kuma yerta.* ("Where have you pushed me to? You belong to another country.")

Dr Amery isn't certain whether the protest song was directed at European colonists or Aboriginal people from other parts of South Australia, who were persuaded by the colonists to come to Adelaide.

By accident, Dr Amery discovered the words in the Mortlock Library, in a photograph of a page from William Cawthorne's South Australian sketchbook. The words were written on a fragment torn



Adelaide City Councillor Michael Harbison and Lester Irabinna Rigney with a mock-up of the proposed plaque at the Piltawodli site during the "Journey of Healing". Mr Rigney spoke about the history of Piltawodli and led the "Statement of Concern" about the loss and revival of language and culture. Photo: Mary-Anne Gale.

from the diary of Dr Matthew Moorhouse, the Protector of Aborigines, and overlaid on the sketchbook. No-one can explain how the fragment came to be in the photograph.

The significance of Piltawodli's history and place was recognised during last month's "Journey of Healing"—a walk to mark various significant

sites for Aboriginal people. The "Journey" is the new incarnation of "Sorry Day", which in 1998 attracted thousands of Australians to events to remember and mourn with indigenous Australians who were separated from their families under past government policies.

—David Washington

New centre to ensure a future for SA coal

From Page 1

The APFBC system under development is expected to be able to handle the high moisture and high fouling lignitic coals of South Australia. This would open up the option for the State to generate electricity at a cost lower than gas using a power source which is currently worthless. There is enough lignite in South Australia to last several hundred years.

Already Adelaide University researchers have played a key role in the development of the new APFBC technology. For instance, Dr Dzuy Nguyen, a senior lecturer in the Department of Chemical Engineering, led a team which developed a new scientific instrument capable of measuring flow behaviour of coal ash at high temperatures. And researchers in Chemical Engineering have been undertaking fundamental research on gasification of lignitic coal,

and modelling what happens inside a gasifier. Another team from Chemical Engineering has been instrumental in operating and testing a major circulating fluid bed combustor pilot plant.

"Successful commercial development and application of APFBC technology should secure the long-term future of lignite-fired power generation in South Australia, and lead to significant increases in employment and investment," says Dr David Brockway, the Chief Executive Officer of the new Centre.

But there are also substantial deposits of lignitic coal in Asia and the Pacific Rim, particularly in China, India, Indonesia, and Thailand. This coal represents a logical way for these developing nations to power rapidly expanding economies and raising the standard of living of their peoples. Burning this coal using present technology, however, would swamp the pro-

visions of present world agreements on reducing greenhouse gas emissions.

The only solution is to burn the coal cleaner, says Dr Brockway. "So the new APFBC technology we are developing should provide substantial business opportunities for Australia in Asia."

The new CRC will be financed for seven years. In addition to developing advanced technology for lignite-fired generation, it will also focus on research to improve the operation of power stations.

Some of the new technologies are already at the testing stage. Later this year, for example, researchers will trial prototypes in power stations of a new laser instrument which can determine the composition of lignite in only a few seconds. The new instrument should provide much greater knowledge of the type of lignite being used and is expected to assist power station operation.

Much of the technology the centre develops is likely to be commercialised and sold both in Australia and overseas. Some should also be applicable to the black coal and other industries.

The CRC Clean Power will be committed to educating and training future graduates to work in the Australian power industry, as well as upgrading the knowledge of those already in the industry.

The centre also will collaborate closely with researchers overseas, and become an important bridge between the latest local and foreign technology.

—Tim Thwaites

For further information, please contact the chief executive officer of the CRC Clean Power, Dr David Brockway on 03 9239 0800 or fax on 03 9561 0710 or email on <powergen@powergen.com.au>.

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The triumphs of Australian science

ANYONE who thought Australia was a scientific backwater which had given the world little more than Vegemite, the wine dispensing cask and the Hills-Hoist clothes line should think again.

Who built the world's smallest machine? Whose studies of exploding stars billions of light years away suggested that the universe is expanding at an increasing rate? Who developed a technique to reconstruct dinosaurs in colour, a method for mapping the oceans in three dimensions, a process to destroy ozone-depleting compounds, a system to date individual grains of sand up to 800,000 years old, one of the first truly washable water-based paints and the mauve carnation?

The doyens of Australian science, that's who.

These are just some of the scores of recent achievements by Australian scientists unveiled in a new book, *Wizards of Oz*, which covers state-of-the-art developments in a wide range of scientific disciplines.

It includes the views of several prominent scientists from the University of Adelaide, including mathematical physicist Dr David Wiltshire and frog expert Associate Professor Mike Tyler.

Some of the country's other great scientists have also been coaxed away from their work to explain their research in clear and lucid terms.

Authored by acclaimed science writer and journalist with *The Age* Peter Spinks, this is the first book of its kind, celebrating the collective scientific triumphs of some of Australia's best palaeontologists, geologists, physicists, astronomers, chemists, meteorologists, ecologists and biotechnologists, and bringing together some of the latest research and development in Australia.

"The book reveals that, despite some demoralisation amongst its practitioners, science in Australia is alive and well, and going places," Mr Spinks said.

"In fact, Australians, who account for little more than 0.3% of the world's population, contribute some 2.5% of all international scientific publications."

Written clearly and concisely, *Wizards of Oz* (part of the Paul Davies *Frontiers of Science* series) will appeal to anyone from school children to university academics.

"The only requirement is that readers should have a sense of curiosity and a regard for new developments in Australia," Mr Spinks said.

Wizards of Oz will be published on 28 June by Allen & Unwin.

Agriculture student wins coveted industry cadetship

AS PART of its continuing support of agricultural education, Australia's largest rural merchandising company, IAMA, has sponsored a student from the University of Adelaide's Roseworthy Campus for the third consecutive year under its cadetship program.

The cadetship with IAMA (SA) Pty Ltd is highly sought after because the successful candidate receives a wide range of benefits, including funding for their final year of study, industry training on completion of their degree, and employment for 12 months.

With many potential candidates, the successful student faces tough competition for the cadetship.

The final decision is based on academic merit and an interview with IAMA executives.

The latest IAMA cadet is Mr Peter Baird, a Bachelor of Agriculture student in his final year of studies at Roseworthy.

Originally from Wentworth in New South Wales, Mr Baird grew up on his parents' 45,000-acre station, which predominantly runs sheep with some wheat, barley and oat cropping.

IAMA will assist Mr Baird with financial support throughout his final year and a cash prize will be paid to him upon successful completion of the course.

At the end of his course, he will then be offered a guaranteed one-year trainee placement within the company.

This offers great opportunities to the cadet, as IAMA is the largest rural merchandising company in Australia, with over 300 stores nationally.

Along with monetary support, IAMA offers "hands on" experience at various branches within a range of capacities, including field and crop work, dairy, broadacre, horticulture and retail.

Mr Baird said he hoped to gain invaluable experience through his cadetship.

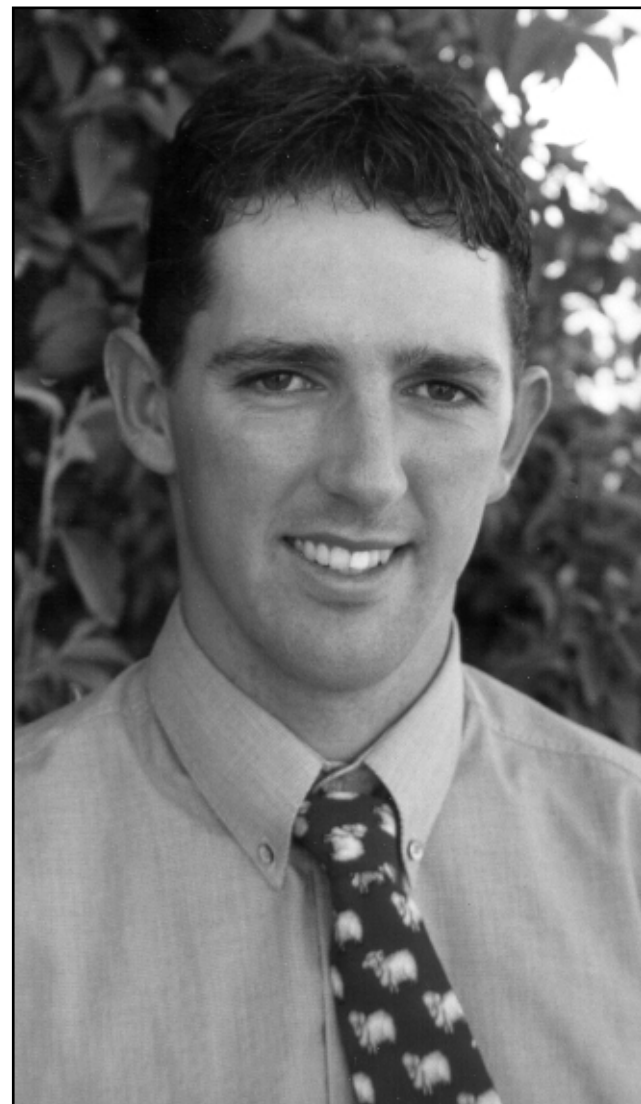
"IAMA will provide me with the opportunity of learning from some of the top people in the industry," he said.

"What appeals to me about IAMA is the variety of experience on offer, as well as the large framework in which the opportunities lie."

He said his studies at Roseworthy had been excellent preparation for a career in agriculture, as the first and second years of study had been very "hands on".

Mr Baird said the course not only looked at the science of farming but the business of farming, which helped students understand what makes a farm profitable.

IAMA's South East Human Resources Manager, Ms



Mr Peter Baird—cadetship provides opportunity to learn from some of the best people in the industry. Photo courtesy of Peter Fuller & Associates.

Leanne Thomson, said that the cadetship proved the company was committed to agricultural education.

She said there was a genuine need for good graduates who were able to transfer their knowledge and technology expertise to farmers.

Last year's cadetship winner, Ian Freebairn from Snowtown, is currently employed at IAMA Arthurton where he is gaining experience in the research and development arm of the business.

The 1997 cadet, Andrew Ottens, has completed his year's employment with IAMA and is now working in Canada.

—Elizabeth Burns

Students get 'home away from home'

ARE YOU interested in opening your home to an international student? If so, the International Programs Office would like to hear from you.

The Office has just launched a Host an International Student Scheme and is seeking offers of short-term accommodation (up to three weeks) from University staff and students.

"The aim of the scheme is to encourage interaction between international students, staff and Australian students," said Vivien Hope, Head of International Student Support Services.

"We want to provide newly-arrived international students with a friendly, supportive environment.

"Evaluation studies have shown that many new students feel isolated and would appreciate the opportunity to share someone's home for a short while.

"Another benefit of the scheme is that it should help to ease some of the temporary accommodation problems that will arise during the peak periods of late June and July 1999 and January to March 2000."

The most important requirement for those participating in the scheme is to be culturally sensitive and to be able to provide clean, comfortable accommodation.

The rewards are many, according to Teresa Findlay of Holden Hill.

She has hosted several international students since her son Ewin, a second year Commerce student, first suggested the idea.

"It's a great way of making friends and learning about other cultures," Mrs Findlay said.

"A Japanese student we hosted returned from Japan for Ewin's 21st birthday. I still stay in touch with

most of the other students I've hosted, too.

"For newly-arrived international students, Australia is a strange culture. Staying in people's homes gives them a better understanding of how we live.

"Most of them have told me they learned more about our culture from staying in a home environment than they would if they had stayed in hostel accommodation."

Alternatively, University staff and students could host current international students for a weekend, a day outing or just a meal.

—John Drislane

Application forms and further information on the Host an International Student Scheme are available from International Student Support Services, tel 8303 4828.

Careers Fair 99

ABOUT 500 students attended the University of Adelaide's second annual Careers Fair on Wednesday, 26 May.

The fair, organised by the Students' Association with support from the Adelaide University Union and the University, gives students the chance to meet potential employers, discuss recruitment, and explore their options for life after uni.

"The fair is growing every year," said Students' Association president Ms Alida Parente.

"Our newly established Employment Service gave us a good grounding of employer contacts. The success of the service has been overwhelming in the short time that it's been in operation.

"Our next aim is to hold workshops on resumé writing, job application letters and interview skills," she said.

Frank Dalziel—a great character sorely missed

FRANK DALZIEL, who died from cancer on 21 May at the age of 64 had been a member of the Psychology Department since 1962. He was born in Aberdeen, where he attended Aberdeen Grammar School and Aberdeen University. He came to Adelaide via Sheffield and Indiana.

Frank had a wonderful sense of humour which found expression, during his student days, in writing scripts for student reviews and entertaining passengers when working as a tram conductor during university vacations.

He was known to many who frequented the Staff Club, as a large, jovial Scotsman, who was always laughing, and always surrounded by a noisy circle of friends. To his friends, however, who came from all over the University, there was far more to him than that. Of course they were attracted to him because he was fun to be with. But they also admired his sense of humour, his wit, and his extensive knowledge of almost any subject you could name. His conversation was invariably amusing and informative.

The table in the old Club where Frank regularly lunched from noon each day, after collecting a carafe of red wine from the bar, was Table 4 (all the tables were numbered). For years after the Club moved to its current venue, and where the tables are not numbered, the table where Frank sat was always known as Table 4. Table 4 was notorious in the eyes of some and junior academics were warned to avoid it on the ground that being seen there could damage their careers.

Frank's main passions were animal behaviour, history, and politics although he was knowledgeable about many other subjects, even those in which he claimed to have no interest. He was interested in all eras, from pre-history to modern times. In recent years he established strong links with the Zoo where his research students carried out valuable studies designed to enrich the environments of endangered species. As a student of animal behaviour he no doubt regarded history as a branch of psychology—concerned with the behaviour of dead animals. He once gave a Departmental seminar with that title.

It was about dinosaurs. His interest in the evolution of behaviour could be seen as a marrying of psychology and history.

Although Frank was gentle and tolerant, he had a healthy irreverence for authority and despised pretentiousness. He enjoyed mocking the pompous, the sanctimonious and the hypocritical.

Within the Department, Frank regularly regaled an enthusiastic audience of colleagues and postgraduates at tea breaks with accounts of last night's TV, or the pronouncements of some public figure.

No academic could have been more devoted to his students than Frank. He was a brilliant and inspirational teacher who was rewarded by attracting a succession of talented research students who returned his loyalty and devotion. Many have gone on to successful careers. Even during the final days of his illness, he was preoccupied with the welfare of his students—experiencing delight at their successes in obtaining jobs and agonising about choosing their external examiners.

A few years ago we wanted to nominate Frank for a teaching excellence award. He was grateful, but basically scoffed at the idea. He knew, and the people who mattered to him all knew, that he was a brilliant teacher. That was enough for him.

Although he was very sociable, Frank was intensely private and hated to talk about himself. Any attempt to discuss personal matters would be deflected by a facetious remark or a change of subject. His friends often wondered whether he was ever lonely or sad, and how he managed to read so widely when he seemed to spend all his spare time socialising, visiting the Zoo, or watching TV.

To many of us, Frank's life symbolised a happier time: when Australian universities were cherished; when collegiality was widely valued and practised; when reading, thinking and discussing ideas were not seen as a waste of time; when academics were respected for their contributions to the intellectual life of the community; when education was valued for its own sake and not treated as a marketable



Frank Dalziel—students returned his loyalty and devotion. Photo courtesy of Psychology Department.

commodity; when research was driven by curiosity not by the requirements of big business; and when academic freedom was not threatened by philistines.

Frank was one of the great characters of the University. He will be sorely

missed by us all—friends, students, colleagues and sister Nancy—because of the joy he brought into our lives.

—Tony Winefield
—John Brebner
—Vanessa Mills

Inaugural Lectures

• Friday 18 June: Professor Mike Brooks (Computer Science).

“Computer Vision: Towards a Seeing Machine”

Considerable progress has been made in recent years in tackling the problem of how 3D scene information may be extracted from 2D images that depict the scene. This talk will present aspects of the state of the art in this area, as well as indicating some of the technical challenges that remain.

• Friday 25 June: Professor Tony Worsley (Public Health)

“Public Health Nutrition”

This talk will outline the opportunities and challenges in this exciting multidisciplinary area which integrates the social, behavioural and biological sciences in the service of public health. Recent progress and plans for development of the area in South Australia will be discussed.

Advertisement

FROM NEAR AND FAR

From Page 2

This interaction with other students was helped greatly by the shape of the campus itself. Adelaide's crowded higgledy-piggledyness is a great asset. I appreciated it later when a student at a Canadian university which was neatly laid out around a gigantic central park. The only place where I met students from other faculties was in the sauna after swimming! Adelaide pushes you together. That's good for community.

So, what's useable about this? Looking at the university scene today, I'm sad that so many students have to work so hard to earn the money to keep going that they don't have the chance to do the whole student thing fulltime. I mean by that to study full time whilst flinging themselves totally into campus life. There are many exceptions and the present generation is picking

up survival skills that my more privileged generation had to pick up later in the workforce. But universities at their best are a package of formal and informal learning.

I'm also very concerned at the increasing threats to the viability of student unions. The unions were if not essential then extremely important supports for the religious societies. Weaken the unions and you weaken in turn the societies and in turn you attenuate the intellectual life of the university, the foundation for which is a sense of community.

Of course it wasn't all a golden time in a golden age. But the University of Adelaide in the 1960s was pretty kind to a working class boy from the bush. I hope that the ingredients which made it work for me are preserved in the face of declining resources and the prevailing fundamentalisms.

—Dr Peter Cahalan

Hong Kong Alumni Chapter launched

THE UNIVERSITY OF ADELAIDE Alumni Association Hong Kong Incorporated was formally inaugurated at a black tie dinner dance held in The Verandah at The Repulse Bay in Hong Kong on Sunday 30 May. 130 alumni and friends attended the function, which had been generously supported by the Government of South Australia, Singapore Airlines and Orlando Wines.

Guests heard words of encouragement and congratulations from Mr Stephen Waters (Deputy Consul-General for Australia), the Chancellor Mr Bruce Webb, Vice-Chancellor Professor Mary O'Kane and Mr Michael Abbott QC (representing Alumni Chair, the Hon Greg Crafter).

Inaugural Chapter President Miss Yap Pei Kwun ("PK") also spoke. This is the third overseas chapter to be formed and the University can look forward to vigorous support from its Hong Kong alumni.

Co-patrons and advisers of the Chapter are the Hon Mr Justice Tom Gall (LLB 65) and Professor Cheung Yau Kai (DEng 82).

President of the Hong Kong Chapter Committee is "PK" (BCom 94 LLB 96), David Smith (BEc 83), Treasurer, Wendy Chan (BScMa 95) Vice-President, Elaine Kiang (BCom 96), Estella Chan (BEc Flin 79 Dip CompSc 81), Dr Ko-King Tim (BE Hons 78 PhD 82), Dr Belinda Poon (BDS 96 BScDent 97), Norman Nip (BEc 94 LLB Hons 96) and Nicholas Chan (BSc 96 LLB 96 Melb).

The University and the Alumni Association congratulate and warmly thank the members of the Hong Kong Alumni Committee for their outstanding work in launching our newest chapter and for organising the successful inaugural function.

—Geoff Sauer



The Vice-Chancellor makes a presentation to Professor Vu The Bao (BE 62), believed to be the University's oldest graduate in Hong Kong.



Expatriate alumni on the lawns at The Repulse Bay.




Geoff Sauer presents "PK" with a plaque from the University of Adelaide Chapter of Australian Alumni Singapore.



Back, L to R: Nick Chan, Michael Olesnick, Tom Gall, David Smith, Cheung Yau Kai. Front, L to R: "PK", Belinda Poon, Norman Nip, Elaine Kiang, Estella Chan.



The Chancellor, Mr Bruce Webb, addresses the dinner. Photos Michael Abbott and Geoff Sauer.



Barr Smith Library Tours

The Barr Smith Library is offering free 30 minute guided tours on the first Thursday of every month. These tours are ideal for those alumni who use the library, and particularly those who are new Services Subscribers.

Familiarise yourself with the layout, collections, resources and services of the Barr Smith Library. Your guide will give you a Library Information Kit to keep for future reference.

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

THE UNIVERSITY OF ADELAIDE LIBRARY

Concrete cosmologies: an illustrated lecture

ANTHROPOLOGIST Dr Deane Fergie thinks that our public institutions of learning shape our perceptions and our beliefs.

Libraries, art galleries, zoos and museums play a significant role in the broader education of the Australian public.

The way we organise and use these institutions has changed radically in the last decade, but there is still a large legacy left from the concepts which shaped our public institutions at the time they were established last century.

Dr Fergie suggests that we may find the roots of Australian racism in the way we learn to think about the world and people in it from our public institutions.

She will present an illustrated lecture, "Concrete Cosmologies", at 7.00pm on Tuesday 22 June in the Benham Lecture Theatre, Benham Laboratories.

This free lecture is part of the Alumni Activities Program. Bookings, whilst not essential, are helpful for planning purposes; tel Alumni, 8303 4275.

Advertisement

PATU top of the pops for schools

SINGER AND MUSICIAN Robyn Habel was a "voice in the wilderness" at a CD recording session in the University of Adelaide recently.

Robyn, who is also a part-time jazz lecturer at the Elder Conservatorium, had a backing group of 23 Wilderness School students when she recorded a new version of her song, Be A Girl, at the studios of the Performing Arts and Technology Unit (PATU).

For the Year 10 students, it was a rare opportunity to experience a state-of-the-art recording studio.

After a one-hour lesson in the use of studio equipment, they recorded, edited and burned the new track, finishing up with their own self-produced CD single.

The session was part of PATU's highly-successful schools program.

"We've been run off our feet by demand from schools around the State," said PATU Coordinator Stephen Whittington.

"We had three groups visit the studios in a single week recently, and new requests are coming in all the time.

"School groups who come here get the opportunity to experience a state-of-the-art sound recording studio, a digital video editing suite, and computers and software for music composition, animation, Web page design and new media.

"Schools appreciate the relevance of the program.

"Over the past 100 years, the whole experience of music has changed dramatically for most people.

"Today, most people's experience is of



L to R: PATU staff Stephen Whittington, Helen Stevens and Silver Moon with some of the Wilderness students who visited the Unit to record their CD. Photo: John Drislane.

recorded rather than live music.

"Anyone thinking about a career in music needs to understand how the modern recording process works, because unless you understand it, you can't have control over it."

The Wilderness School's Director of Music, Darryl Pope, said the visit was part of the school's extended curriculum program for students identified as exceptionally gifted.

"These are the types of experiences that open up children's minds," he said.

"As well as enabling them to experi-

ence a modern recording studio, the PATU program gives students a feeling for a tertiary environment.

"Robyn Habel has held songwriting workshops at Wilderness School, so she was able to work through the whole process, from song composition to recording and producing a CD".

The PATU studios are used by a range of University students and staff for music composition and other recordings. For information, call PATU administrator Helen Stevens, 8303 3799.

—John Drislane

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Enlighten Yourself



Buddha House

Meditation
Teachings
Retreats
Bookshop

- Thought Transformation Meditation Retreat (11-14 June)
Meditations and teachings by Tibetan Meditation Master Khensur Rinpoche.
- Introduction to Buddhist Philosophy & Meditation
8-week course led by an experienced student (Pamela Lyon).

Phone: 8379 9153

Public Lecture

PROFESSOR SHAHID AMIN, a Distinguished Visiting Fellow in the Faculty of Humanities & Social Sciences, will present a public lecture, "Writing Alternative Histories", on Wednesday 23 June at 5.30pm, Eric Russell Room, Napier.

Professor Amin, who is Professor of History at the University of Delhi, has an interdisciplinary profile of a high order and is a major voice in current Post-Colonial Theory.

Tunisian visit to Waite

THE TUNISIAN MINISTER of Foreign Affairs, HE Mr Said Ben Mustapha, recently visited the Waite Campus, where he was briefed on dryland farming technology and the development of South Australia's olive oil industry.

Head of Agronomy & Farming Systems, Professor David Coventry, said the Minister and his delegation were particularly interested in zero tillage for cereal crops, plant improvement and land conservation.

Tunisia is one of the world's largest producers of olive products and there was keen interest in the high quality of oil produced from Australian "feral" olives and in recent research developments in the Australian olive industry.

Trafficking in migrants outpaces the law

From Page 1

"Also, the primary focus of relevant migration regulations is on the person subjected to trafficking and not on the traffickers."

Mr Schloenhardt, who was speaking at the University's Law Seminar Series, said illegal immigration into Australia could be prevented effectively only if neighbouring countries provided equivalent regulations.

"The efficiency of Australian law increasingly depends on the steps taken abroad to prevent illegal migration and unauthorised transit.

"It is necessary to review the existing regulations in the Asia-Pacific region with respect to illegal migration and organised crime and compare the different approaches that origin, transit and destination countries take."

Following his graduation last year, Mr Schloenhardt spent five months at the University of Augsburg in Germany lecturing in criminal law and criminology. He returned to begin his PhD studies in Adelaide in December.

—John Drislane

ACCOMMODATION

AVAILABLE: 2 br executive apartment overlooking Veale gardens, huge living, study, 2 bathrooms, garage & high security. Avail now. Ph Amal 8271 3344 or 0411 181 146 or email: <venn@adelaide.on.net>.

EASTERN FOOTHILLS: Fully furn & equipped homette, on bus route to city, close to schools, shops & libraries, etc. Suit visiting academic family (2-4 persons). Avail now. Ph 8332 4814.

GOODWOOD: Newly renovated 1 br studio apartment with sep kitchen/dining and loft. Part of converted facto-

ry/warehouse. Fully furn, close to transport & shops, suit couple on sabbatical. Avail early July. \$180 pw. Ph 8303 8534 or email <Maarten.Ryder@adl.clw.csiro.au>.

GRANNY FLAT: 3kms to Uni & Waite Campus, in quiet, tree-lined street. 1 br, fully furn, close to transport, tel, no carport. \$100 pw + references and bond essential. Ph 8271 3386.

KENSINGTON PARK: Lovely 2 br unit, bir, lounge/dining, heat/cool, private courtyard, carport, avail now for 12 mths or longer. \$150 pw. Ph 8338 1184 or 0413 483 078.

NORTH ADELAIDE:

ADELAIDEAN CLASSIFIED

Comfortable, furn br in sharehouse with 1 male & 1 female. Character maisonette, 15 mins walk to uni. Non-smoker. Avail 4 July - 18 Sept. \$45 pw. Ph Karen 8303 3119 or 8267 1986 (h).

ST PETERS: Fully furn, 4 br family home featuring master br with bir's, formal lounge and dining rms, family rm, pine kitchen with dishwasher. Rear lane access and lock-up garage. Avail 4 Sept 99. Ph Amal 8271 3344 or 0411 181 146 or email: <venn@adelaide.on.net>.

TENNYSON: Fully furn 3 br beachfront house. Magnificent position. Avail for 6 mths. \$240 pw neg. Ph 8269 2892.

WANTED: Overseas doctor seeks house sitting arrangements, 6 mths - 1 yr, from Aug 99. Ph 8351 6553 or 0411 129 518.

FOR SALE

MISC: TV, VCR, double mattress, vacuum cleaner, pram, IBM 486, nail drier, bic, baby needs and more. Ph 8338 4152.

MITSUBISHI SIGMA: GL 1983, 5 spd station wagon, air cond, tow bar, rego, good runner. UWE 954. \$950. Ph Sharon/Dennis 8357 1365.

MOVING SALE: 18 spd bike, \$69. New bike, \$139. Computer desk, \$49. Office chair, \$39. Exercise bench, \$11. Coolers, 3 piece pack, plus ice-packs, \$29. Books, records, cassettes, mostly \$2 each. Ph 8303 3712 or 8298 8725.

TOYOTA CORONA: 1979/80 model, white, manual, good cond, very good mechanically, ideal first car. SJZ 919. \$1,500. Ph Corinne 8303 5897.

X-FILE: Volumes 1-10 plus "Secrets of the X-Files".

\$110. Email: <pwoods@arts.adelaide.edu.au>.

MISCELLANEOUS

FOUND: Friday 4th June, Parker Pen. Could owner ring 8297 4741 (weekdays after 5pm, not between 15-24 June) to identify and arrange handover.

WORD PROCESSING: Till end of June \$3.00 per page @ 250 words per page. 1500 words = \$18; 2000 words = \$24. Disk copy in versions up to IBM/PC Word 8.0 (97) and Mac 8.0 (98). Laser printing, after hours service, quick turn around, city centre location. Ph Anne Every, 8212 6869 or 8415 7866.

Bulletin Board

JUNE 14, 1999

THE UNIVERSITY OF ADELAIDE

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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 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).

Apology

The *Adelaidean* wishes to apologise for publishing the incorrect time for the Department of Anatomical Sciences Special Seminar on Wednesday 2 June.

SPORTS ASSOCIATION

Mid-year Camping Safari

The mid-year 10 day Central Australian Camping Safari departing Monday 12 July returning Wednesday 21 July 1999. Open to everyone.

\$585 fare includes accommodation, travel, food, water, entrance fees to tourist attractions. Itinerary from the Sports Association Office, Ground Floor, Lady Symon Building, tel 8303 5403 or 8303 3410.

Come along and learn how PROJECT ENDEAVOUR can improve the way we work

The University of Adelaide has established **Project Endeavour** to implement new Management Information Systems in the key areas of finance, student administration, research and human resources. The project aims to improve the University's services using information technology and better work processes.

Major topics to be discussed:

WHY we're changing our management information systems
HOW the project will affect you
WHEN the changes will happen
WHO are the people involved

Where can I find out about Project Endeavour?

Adelaide Campus
Napier Lecture Theatre 102
22 June 1999
1.00pm - 2.15pm

Waite Campus
Charles Hawker Conference Centre
5 July 1999
1.00pm - 2.15pm

Roseworthy Campus
Stefanson Lecture Theatre
12 July 1999
1.00pm - 2.15pm

For more information, see the Project Endeavour website:
<http://www.isb.adelaide.edu.au/mis2001/index.html>

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 conference will be opened by the Hon Mrs Pat Dixon and will be chaired by Dr Archie Kalokerinos MB BS.

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, President/
National Coordinator, The Australian Chemical Trauma Alliance Inc., Tel & fax: (02) 6772 0066. Email: <acespade@northnet.com.au> or visit our web site at: <<http://www.ozemail.com.au/~actall>>.

TUESDAY 15 JUNE

12noon Child Health Research Institute Seminar: Jumper Ant Anaphylaxis by Dr Bob Hedde (Immunology, Flinders Medical Centre). Seminar Room, 7th Floor, Rieger Building, WCH.

1.10pm Anatomical Sciences Seminar: Axon Guidance Molecules - Role in Wiring the Nervous System by Dr Simon Koblar (Genetics). Room S127, Medical School South.

3.15pm Anthropology Seminar: Puleeta: Iconic Representations of the Inner and Outer Cosmos by Mr Arthur Soniotis (Anthropology). Room 722, 7th Floor, Napier Building.

WEDNESDAY 16 JUNE

10.10am Electrical & Electronic Engineering Seminar: Spatial Power Combining and Quasi Optical Technology by Dr Ninh Duong (DSTO). Lecture Room S112, Engineering South.

1.10pm Geology & Geophysics Seminar: Cenozoic Eustasy: Can We Nail the Magnitudes? by Dr Michelle Kominz (Geosciences, Western Michigan University, Kalamazoo, Michigan, USA). Mawson Lecture Theatre, Ground Floor, Mawson Laboratories.

1.10pm Horticulture, Viticulture & Oenology Seminar: Proline metabolism in grape berries by Ms Anna Stines (HVO). Plant Research Centre Auditorium Waite Campus.

1.10pm Genetics Seminar: Topic to be announced, by Dr Steven

COMING EVENTS

June 15th — June 25th

Townson. Seminar Room, Ground Floor, southern entrance, Fisher Building.

4.30pm Environmental Biology Seminar: Surfactant cholesterol: the unsolved story by Dr Sandy Orgeig (Environmental Biology). Benham Lecture Theatre, Ground Floor, Benham Building.

THURSDAY 17 JUNE

1.00pm NHMRC Seminar: To provide advice about the NHMRC Regional Grants Interview Committee (RGIC) process. Council Room, Level 7, Wills Building, North Terrace Campus. All applicants for NHMRC project grants and fellowships are encouraged to attend.

FRIDAY 18 JUNE

1.10pm Elder Conservatorium Lunch Hour Concert: Jazz Singers - Libby O'Donovan, Natalie Ruiz and Luke Thompson with small jazz ensemble. Elder Hall. Admission \$2.

1.15pm Inaugural Lecture Series: Computer vision: towards a seeing machine by Professor Michael Brooks (Computer Science). Lecture Theatre 102, Napier Building.

4.10pm Geology & Geophysics Seminar: Big Basins, Long Fluid

Histories, Giant Ore Deposits by Professor Kurt Kyser (Queens University, Kingston, Ontario, Canada). Eric Rudd Lecture Theatre, upstairs, Mawson Laboratories.

4.00pm Economics Seminar: Legislative Bargaining in the Shadow of Lobbying by Dr Dhammika Dharmapala (Australian National University). Room LG14, Napier Building.

4.00pm Obstetrics & Gynaecology Seminar: Reprogramming cell fate: mammalian cloning by nuclear transfer by Dr Teija Peura (SARDI Livestock Systems, Turretfield Research Centre). Seminar Room, 6th Floor, Medical School North.

MONDAY 21 JUNE

1.00pm Microbiology & Immunology Seminar: Identification of virulence determinants in *Vibrio anguillarum* by Mrs Kathy Daniels (Microbiology & Immunology). Departmental Library, 5th Floor, Medical School South.

1.10pm History Staff/Postgraduate Seminar: Evidence, Language and History by Professor Shahid Amin (Head, History Department, University of Delhi / Distinguished Visiting Scholar, Faculty of Arts). Common Room 420, 4th Floor, Napier Building.

WEDNESDAY 23 JUNE

1.10pm Horticulture, Viticulture & Oenology Seminar: Australian olive industry as seen from Florence and Liverpool by Dr Michael Burr (Field Associate, HVO). Plant Research Centre Auditorium, Waite Campus.

5.30pm Public Lecture: Writing Alternative Histories by Professor Shahid Amin (Head, History Department, University of Delhi / Visiting Distinguished Scholar). Eric Russell Room LG14, Napier Building.

FRIDAY 25 JUNE

1.15pm Inaugural Lecture Series: Public Health Nutrition by Professor Tony Worsley (Public Health). Lecture Theatre 102, Napier Building.

3.15pm Anthropology Special Seminar: Secret Encounters: Black Man, Bisexuality and AIDS in Alabama by Dr Bronwen Lichtenstein (Department of Sociology, University of Alabama). Room 722, 7th Floor, Napier Building.

4.00pm Economics Seminar: The Measurement of Income Equality and Poverty by Professor Yoram Amiel (Ruppin Institute, Israel). Room LG14, Napier Building.

4.00pm Obstetrics & Gynaecology Seminar: DNA methylation and breast cancer by Dr Alex Dobrovic (Haematology, The Queen Elizabeth Hospital). Seminar Room, 6th Floor, Medical School North.

SITUATIONS VACANT

For further information about the following vacancies please refer to Human Resources' Web page at <<http://www.adelaide.edu.au/HR/adv-pos.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 statement may be obtained from the contact officer named in the advertisement.**

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

SUPERVISOR, IMAGE AND COPY CENTRE

(Ref: 1944)
Barr Smith Library
Salary HEO5:
\$34,610 - 38,619

Further information for this fixed-term position may be obtained from Mr Stephen Beaumont, tel: 8303 5016.

LOANS SUPERVISOR (ACTING)

(Ref: 9896)
Barr Smith Library
Salary HEO4:
\$30,736 - \$33,808

Further information for this fixed-term position may be obtained from Robina Weir, tel: 8303 5349.

ADMINISTRATIVE ASSISTANT

(Ref: 2495)
Office of the Deputy Vice-Chancellor (Research)
Salary HEO4:
\$30,736 - \$33,808

Further information for this continuing position may be obtained from Ms Judith Edwards, tel: 8303 5665.

RECEPTIONIST/ ADMINISTRATIVE ASSISTANT

(Ref: 2101)
Department of Agronomy and Farming Systems
Salary HEO3:
\$26,725 - \$30,467

Further information for this continuing position may be obtained from Mr David Mathew, tel: 8303 7876 or email: <david.mathew@adelaide.edu.au>.

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

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

LECTURER A IN WINEMAKING AND WINE SCIENCE LABORATORY MANAGER

(Ref: 6723) (Tenurable)
Department of Horticulture, Viticulture and Oenology
Salary: An attractive salary will be negotiated
Further information for this tenurable position may be obtained from Professor Margaret Sedgley, Head of the Department of Horticulture, Viticulture and Oenology, tel: 8303 7248, fax: 8303 7116 or email: <hvo@waite.adelaide.edu.au>.

CHANGE MANAGEMENT UNIT Project Team Members - 3 positions

(Ref: 6493)
HEO3: \$26,725 - \$30,467 or
HEO4: \$30,736 - \$33,808
(Ref: 6494)
HEO6: 38,751 - 41,959 or
HEO7: \$42,760 - \$47,973
(Ref: 6495)

HEO8: \$48,105 - 54,119 or
HEO9: \$56,123 - \$60,131
Further information for these fixed-term positions may be obtained from Mr Chris Hogan, tel: 8303 3916, fax: 8303 5199 or e-mail <Chris.Hogan@adelaide.edu.au>.

IT SECURITY OFFICER
(Ref: 1081)
Information Technology Services
Salary HEO8:
\$48,105 - \$54,1191

Further information for this continuing position may be obtained from Ms Lina Russo, tel: 8303 5716, fax: 8303 4400 or visit our web page at: <<http://www.adelaide.edu.au/ITS/jobs/>>.

STAFF DEVELOPMENT AND TRAINING OFFICER (INFORMATION TECHNOLOGY)

(Ref: 2473)
Faculty of Health Sciences
Salary HEO6:
\$38,751 - \$41,959

Further information for this continuing position may be obtained from Mr George Travan, Manager, Faculty Information Technology, tel: 8303 6108, fax: 8303 3788 or email: <george.travan@adelaide.edu.au>.

RESEARCH OFFICER

(Ref: 2422)
Department of Agronomy and Farming Systems
Salary HEO5/6:
\$31,803 - \$41,959

Further information for this fixed-term position may be obtained from Dr Gurjeet Gill, tel: 8303 7744, fax: 8303 7979 or email: <gurjeet.gill@adelaide.edu.au>.

ADMINISTRATIVE OFFICER

(Ref: 2244)
School of Commerce
Full-Time Salary HEO4:
\$30,736 - \$33,808

Further information for this continuing part-time position may be obtained from Lynette Swift, tel: 8303 4762, fax: 8303 4368.

RECORDS MANAGEMENT OFFICE ASSISTANT

(Ref: 2055)
Office of the Vice-Chancellor
Salary HEO2:
\$25,388 - \$26,992
Further information for this continuing position may be obtained from Mr Geoff Radford, tel: 8303 5249.

YEAR 2000 NEWS

SA Universities combine to tackle the Bug

South Australia's three universities have joined forces to tackle the Millennium Bug.

With the Year 2000 fast approaching, the Universities have been working together in order to ensure a smooth technological transition into the new millennium.

While the University of Adelaide, Flinders University, and the UniSA each have their own Year 2000 Projects, industry experience suggests that success requires collaboration with others facing similar problems.

Not only do all Universities face similar problems, but the SA Universities share many of the same suppliers and service the same community. In order to deal effectively with the various Y2K issues, representatives from the three Universities are meeting regularly to share information and to design a consistent approach.

One methodology adopted by all three Universities is the consistent use of compliance labels to be used on laboratory and office equipment. Because the labelling is consistent at each University, students and staff dealing with more than one institution are immediately aware of equipment status.

The Universities are also key participants in the South Australian Y2K Forum, a group of businesses and organisations, including ETSA, Santos, Faulding, Telstra, and DSTO, which meets on a frequent basis to discuss and share the latest information and methods for dealing with Y2K related issues. The varied membership of this forum makes it unique in Australia, and has been an invaluable resource for all involved.

For more information, please contact Michael Physick, Year 2000 Project Office. <Michael.Physick@adelaide.edu.au>.

The Year 2000 Problem for Home Users

We are all aware of the Year 2000 problem or Millennium Bug and its potential effects on business, but little has been written about home users. This article hopes to give you a guide as to what you can do to protect yourself and your home from the Millennium Bug.

Firstly, nobody is immune. It could be that your favourite TV show does not record or the air conditioning comes on at the wrong time. However, the good news is that most home appliances will not be affected.

Embedded chips (or built in processors) are the main problem which will affect everyone. You will have to pay particular attention to computer and electronic systems which include dates in their function. If you are not sure about certain items you should contact the manufacturer and ask if the product is Year 2000 compliant.

Common home appliances that could be affected include, Video Recorders (VCRs), Burglar

Alarms, Fax Machines, Digital Cameras, Computer accessories (including Printers, back-up devices, etc.) and any other electronic equipment that uses dates.

From the research that the Project Office has conducted we have found only three microwaves and a handful of VCRs to be non-compliant. If you are unsure about certain items contact the Project Office for advice.

As for computing, the home user has a few more problems to deal with. These result mainly from older versions of the BIOS (Basic Input/Output System) which will store dates in the 2 digit year format and make the computer think it is 1900 again. Most home PCs bought within the last two years should be OK but it is very important that you do actually test these systems. The University has a free BIOS checker available on the Year 2000 web site <<http://www.adelaide.edu.au/TTD/y2k/igather.html>>.

There are four other areas that home PC users should concentrate on: The Operating System (Windows 3.x, Windows '95, etc.), the Application Software (Word Processing, Spreadsheets and Games, etc.), the Data (the numbers in a spreadsheet or database typed into your computer) and Data Sharing (Data transferred to and from other computers by floppy disk, e-mail or Internet.)

Earlier versions of Windows '95, and DOS programs cannot correct the BIOS for you so it will still be necessary to contact the manufacturer. Many BIOS Patches are available on the Internet and can be downloaded from the manufacturer's Year 2000 pages. These install a small program that corrects the century and the date to a 4 digit year when the Operating System calls the BIOS for the date.

Mac owners can sit back and relax since the MacOS operating system and Apple Macintosh computer hardware do not have problems coping with the year 2000.

However, application software and Data will still need to be checked. This is best done by contacting the manufacturer or by visiting the appropriate web site.

There are software tools available on the market to help you find Y2K problems and deal with them. Many of them have free download trial versions.

The University of Adelaide's Year 2000 Project Office is doing everything they can to assist and help staff around the University with the Millennium Bug. We have comprehensive web pages available with useful links, including Vendor Information, Project Status and Testing Information available to staff at the address below. The main thing that we recommend is do not panic. We are working hard to ensure that the roll over to the next century transitions smoothly with little impact to the University.

For more information start at the University's Year 2000 Project web pages at this URL <<http://www.adelaide.edu.au/TTD/y2k/>> or please contact Jesse Grainger (Year 2000 Project Officer).

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.

NOTICE TO APPLICANTS: 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: 3916, HEO7/8, Division of Student and Staff Services; 3340, HEO2, Graduate Studies; 3962, HEO6, Public Relations & Marketing; 4019, HEO4, Deputy Vice-Chancellor (Education); 3313, HEO6, Department of Obstetrics & Gynaecology; 4168, HEO3, International Programs.

HUMAN RESOURCES DEADLINES FOR ADELAIDEAN

For the *Adelaidean* of 12 July, advertising paper work must be to Human Resources by 25 June.

For the *Adelaidean* of 26 July, advertising paper work must be to Human Resources by 9 July.

HR WEB PAGE for advertised positions <<http://www.adelaide.edu.au/HR/adv-pos.htm>>.

GENERAL NOTICES

Faculty of Humanities & Social Sciences Website

Phase one of an upgrade of the Faculty's website has been completed and the revised site is now accessible at the original URL: <<http://arts.adelaide.edu.au/arts-web/>>.

Staff who are responsible for managing websites within the University are asked to check any links to pages in the Faculty of Humanities and Social Sciences and update any 'broken' links through the upgrade.

Please take the opportunity to have a look around the Faculty's site, to test it out, and forward suggestions.

PETER MURDOCH
Publications and Information Officer

University crests

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.

Please contact the Media, Marketing & Publications Unit if you require advice about proper use of the logotype.

JOHN EDGE
Manager,
Media, Marketing & Publications

Grants of \$2,000

Once again grants totalling \$2,000 are being offered in open competition to persons wishing to undertake projects based in the South Australian Museum and related to the State Collections of Natural History and Anthropology. Projects can also be carried out in education and communications.

Application forms and advice: Hon Secretary, tel: (08) 8207 7389 or fax: (08) 8207 7222.
Applications close 30 June 1999.

Sports Association AGM

The University of Adelaide Sports Association Inc will be holding its AGM on Thursday 29 July 1999 at 1.00pm in the WP Rogers Room (Level 5, behind the Bar) followed directly by Sports Council.

Nominations are called for the following positions: (A one year term for) - President; Deputy President; Hon Secretary; Hon Treasurer (the Secretary and Treasurer **must** be students of the University) to be determined at the AGM.

Nomination forms are available from the Sports Association Office. Nomination forms **must** be submitted by 5.00pm, Monday 28 June 1999. Voting will take place from 9.00am Monday 26 July until 5.00pm Wednesday 28 July 1999.

AFUW - SA Inc Annual Dinner and Presentation of Bursary Awards

Tuesday 22 June 1999, 7.00pm, Regal Motor Inn, 44 Barton Terrace East, North Adelaide.

Guest Speaker: Sister Dierdre Jordan, Chancellor, Flinders University. **Jubilee Guests:** Dr Barbara Wall, Dr Dorothea Heitmann, Miss Marjorie Rooney.

Cost: \$29 (includes pre-dinner drinks and nibbles, soup, main course, dessert, coffee or tea).

Registration forms available from Bronwen Whyatt or in the June newsletter. RSVP and payment for dinner is required by Tuesday 15 June 1999.

Book XChange: Old Textbooks

Ever wondered how you could make some money off all those old textbooks? You probably have several hundred dollars worth of books lying around your bedroom never to be opened again.

Well a solution may be at hand. The Internet site <www.bookexchange.com.au> is the first site of its type in Australia and aims to connect buyers and sellers of secondhand textbooks.

The BookXChange has been developed by students from The University of Melbourne in response to the frustration expressed by many students at the cost of textbooks. The system is easy to use and being web based can be accessed by anyone, anywhere at anytime. But most importantly the service is being offered free for the first 3 months in an attempt to build up an extensive database of books. The creators of the BookXChange hope to increase traffic through the site to such a level that it will fund itself from advertising and remain a free service to students.

Using the BookXChange is simple; anyone with the vaguest knowledge of the Internet will find it user friendly. Upon indicating that you want to sell a book, the site will ask whether or not you are registered. If not, registration is easy. From there on selling a book is self-explanatory. Buyers need not register; all they need to do is fill out the search criteria and the BookXChange will search the database going by author, title and location of sellers. The search results tell you at which university the seller is enrolled so you can select the one most convenient to you. Then it's a simple matter of making contact with the seller either by email or telephone. In the event that the seller is a long way away it is possible to ask them to send the book COD. This will attract a small fee from Australia Post in addition to the cost of the book but it is unlikely that the combined cost will come anywhere near the cost of purchasing the book new.

INSEA 30th WORLD CONGRESS

21 - 26 September 1999, Brisbane Convention & Exhibition Centre
The International Society of Education through Art (InSEA) was founded in 1951, after an international seminar convened by UNESCO. Following the end of World War II, it was seen as a means of forwarding the cause of world peace. This was to be achieved by encouraging the understanding of cultures and exchange of ideas through visual arts education. Today, the society has 2,000 members in 88 countries.

The 1999 30th World Congress hopes to attract 1,500 delegates, representing visual arts education at primary, secondary and tertiary levels, as well as those active in museums, art galleries and other areas of visual arts learning.

The theme of the Congress is *Cultures and Transitions*, which recognises the complexity of diverse cultures in the world today.

The Congress will incorporate a research conference, International Baccalaureate Workshops, and associated fieldwork program, during which delegates will have the opportunity to visit and work in Queensland and New South Wales schools. The main body of the Congress will incorporate presentations by keynote speakers, workshops and art exhibitions.

For registration and enquiries contact Ozacom Conference Services, tel (07) 3854 1611 or <<http://www.qut.edu.au/insea99/insea>>.

LUMINIS SNAPSHOTS

Diverse Travel Australia Secure Their First Clients

How the University of Adelaide Can Foster Continuing Education Through Travel and Raise Money! Or An Innovative Way to Raise Money for Your Department...

What do 16 teacher trainees from the Institut Territorial de Formation des Maîtres (ITFM) of New Caledonia have to do with the University of Adelaide, you ask? They were the first group to travel with Diverse Travel Australia, a commercial unit under the guidance of Luminis Pty Ltd.

The students and two of their teachers were participating on a field trip to the Flinders Ranges to collect data on past life for an exhibition to be held in Noumea in October 1999. At the end of the trip they visited the Mawson Laboratories where Dr Chris Nedin provided a dazzling display of Ediacaran fauna.

"This was the cherry on the cake," commented one student.

Diverse Travel Australia was delighted that the Mawson Laboratories were able to host the ITFM group.

Kristi O'Brien and Caroline Densley are graduate students of the University of Adelaide's Business Initiatives from Graduates (BIG) program and are based at the University's Thebarton Commerce and Research Precinct. They established Diverse Travel Australia following several years of experience in the tourism industry. The business was established to share in the huge international growth in special interest and nature based travel and has received invaluable assistance from Luminis Pty Ltd.

Kristi and Caroline would welcome the opportunity to hear from any staff/faculties of the University of Adelaide who would be interested in offering travel options eg. on-site lectures through to hosting travel programs within South Australia and nationwide. Your faculty would receive a nominated fee for this service. Kristi and Caroline can be contacted on tel: 8303 3418 or 8303 3422 or by email: info@diversetravel.com.au

Paul Szuster
Business Development Manager
Luminis Pty Ltd



Diverse Travel's Kristy O'Brien (bottom left) & Caroline Densley (bottom right)



ST MARK'S COLLEGE

(Affiliated to the University of Adelaide as a residential College for men and women students)

THE COLLEGE COUNCIL INVITES APPLICATIONS FOR THE POSITION OF:

College Head

St Mark's College was established in 1925 and is close to the University of Adelaide. It now accommodates more than 200 undergraduates and graduates.

In succession to Mr CR Ashwin MA (Oxon.), who is retiring next December, applications are invited from men and women seeking either appointment as full time College Head, or a part time appointment in conjunction with academic or other duties elsewhere.

The appointment will start, if possible, from 1 January 2000. A fine private house on site is provided. Remuneration will be in accordance with qualifications and experience.

Further information is available on request from the:

Bursar, St Mark's College Inc, PO Box 433, Unley, SA 5061
Tel: (08) 8373 0202
Fax: (08) 8373 0036
Email: <semail@shearer-elliss.com.au>

Application, marked "Strictly Confidential", should be sent to the Bursar at the above address not later than 30 June 1999.

Update on use of IT&C in learning and teaching

A forum to evaluate progress with the use of IT&C in learning and teaching in the Faculties of Science and Agricultural and Natural Resource Sciences, with input from ACUE, will be held on Friday 18 June (9.30am - 11.30am), in Room 2, Callaghan Building, Roseworthy Campus. Please indicate interest in attending to Bill Wallace, 8303 7228 or Geoff Crisp, 8303 5497.

Ngapartji Multimedia Centre

Ngapartji Multimedia Centre is holding two free Information Nights.

The first will cover everything you need to know about our Multimedia courses and career training pathways, and the second concentrates on our Microsoft technical courses and associated careers...

Multimedia Careers & Courses - Thursday 17 June 1999, 6pm-8pm

- * Hear about career opportunities in this exciting and new industry
- * Meet high profile industry people
- * Talk to our highly experienced and knowledgeable lecturers
- * Check out our high-tech training studios
- * See informative and interesting multimedia presentations
- * Find out about our range of educational courses and career training pathways
- * Get a free course booklet hot off the press.

Microsoft Technical Careers & Courses - Friday 18 June 1999, 6pm-8pm

- * Learn how to achieve Microsoft Certification(s)
- * Preview this semester's courses of study toward:

- MCP - Microsoft Certified Professional
- MCP+1 - Microsoft Certified Professional plus Internet
- MCP+Site Builder
- MCSE - Microsoft Certified Systems Engineer
- MCSE+1- Microsoft Certified Systems Engineer plus Internet
- MCDBA - Microsoft Certified Database Administrator
- MCS D - Microsoft Certified Solution Developer
- * Meet our Microsoft Certified Trainers and ask everything you wish to know
- * Visit our high-tech training studios
- * Explore our multimedia presentations that will guide you to the easiest and fastest study path for the certification you want
- * If you're administering the network in your workplace... this information night will help you find out how you can acquire the skills for the job.

To reserve your seat, please telephone our Education Hotline on 8232 8444 or email <kym@ngapartji.com.au> with your name, address and telephone number.

Research Branch Update

NHMRC SEMINAR

A seminar to provide advice about the NHMRC Regional Grants Interview Committee (RGIC) process will be held in the Council Room, Level 7, Wills Building, North Terrace campus at 1pm on Thursday 17 June 1999. All applicants for NHMRC project grants and Fellowships are encouraged to attend.

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 Rod Jewell in the Research Branch on extension 33340 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 STAFFING

With the secondment of some members of the Research Branch staff to Project Endeavour, a number of new staff will be employed in the Branch on a casual basis over the next few months. We have already welcomed Daniela DeNichilo who will assist Simon Brennan in dealing with all matters relating to NHMRC and other medical/health-related grants. Daniela can be reached through extension 35137 or by email at <daniela.denichilo@adelaide.edu.au>.

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

RESEARCH AND SCHOLARSHIPS AND OTHER FUNDING SCHEMES

Research Grants & Fellowships

The following is a list of grant, fellowship and other research funding schemes currently available for application.

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

For hard copy application forms and guidelines for any of the funding schemes listed below, please contact the Research Branch, extension 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.

Industry, Science & Resources; Dept of (DISR) - Technology Diffusion Program (TDP): This Program has three integrated components: Technology Alliances; Technology Transfer; and Online Business. Further information about the TDP is available from the AusIndustry web site: <<http://www.ausindustry.gov.au/tdp>>. U19/98

University of Cambridge - Smuts Visiting Fellowship in Commonwealth Studies 2000-2001: Internal closing date: 16 June 1999. U1/99

New South Wales Police Service: Policing Research Grants - Sir Maurice Byers Fellowships: The internal closing date was originally 18 June 1999. The date has now been extended until 16 July 1999. U9/99

Australian Coal Research Limited (ACR): Australian Coal Association Research Program (ACARP) - 1999 Research Proposals: Internal closing date (Short Proposals): 18 June 1999. U9/99. Web site: <www.acarp.com.au>

Department of Family & Community Services - National Child Abuse Prevention Awards: Internal closing date: 18 June 1999. U9/99. Web site: <<http://www.facs.gov.au/>> under 'What's New?' or the Family Relationship's page under 'Who's Who'.

Australian Cystic Fibrosis Research Trust and Cystic Fibrosis Research Limited: Cystic Fibrosis Research Grants 2000: Internal closing date: 21 June 1999. U9/99

Natural Heritage Trust - Threatened Species Network (TSN): Community Grants: Internal closing date: 22 June 1999. U8/99. Web site: <<http://www.nccnsw.com.au/member/tsn>>.

Royal Adelaide Hospital - Florey Fellowships: Internal closing date: 23 June 1999. U10/99

Natural Heritage Trust: Coastcare - Funding for Environmental Projects 1999-2000: Internal closing date: 23 June 1999. U6/99. Web site: <<http://www.environment.gov.au/marine/coastcare/>>.

Australian Kidney Foundation: Medical Research Project Grants, Medical Research Equipment Grants & Medical Research Seeding Grants: Internal closing date: 23 June 1999. U6/99

Australian Academy of the Humanities - Travelling Fellowships: Internal closing date: 23 June 1999. U3/99. Web site: <<http://www.asap.unimelb.edu.au/aah/>>.

Australian Academy of the Humanities / Royal Academy of Letters, History and Antiquities, Sweden: Overseas Program: Sweden: Internal closing date: 23 June 1999 (for a visit the following year). U3/99

Creswick Foundation - Fellowship in Family Relations & Child Development: Internal closing date: 23 June 1999. U7/99

Pig Research & Development Corporation - Travel/Conference and Distinguished Visitor Awards: Internal closing date: 24 June 1999. U16/98

Scholarships

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

AFUW-Qld Fellowships: Freda Bage Fellowship and Commemorative Fellowship are open to women graduates of a university or recognised tertiary institution from any country. Value: equivalent to APA. Women graduates on full-time salaries or on fully paid study leave are ineligible. Closing: 30 August (Qld)

ICCS Graduate Student Thesis/Dissertation Scholarship: \$CAN3,500 for Masters or Doctoral candidates to undertake thesis-related research on Canada at a Canadian university for 4-6 weeks. Closing: 15 November. Further details from ACSANZ Web Site: <<http://www.uq.edu.au/~entkoo/index.html>>. Applications and guidelines from Canadian High Commission, Academic and Public Affairs Section, Commonwealth Avenue, Canberra ACT 2600, ph: (02) 6273 3844, fax: (02) 6270 4083, email: <eva.zarka@cnbra01.x400.gc.ca>

Menzies Research Scholarship in the Allied Health Sciences: Tenable in Australia to full-time PhD students undertaking research in one of the allied health sciences. Available for two years to students who have completed the first stage of their program. Value: \$24,000pa. Closing: 23 June (Scholarships)

Monbusho Scholarships to Japan: Available at undergraduate and postgraduate level. Details available on request, however, applications only available from the Japanese Embassy (02) 6273 3244. Closing: 24 June (Canberra)

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)

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 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)

Swiss Government Scholarships 200/2001: One scholarship will be available to Australian citizens for art/music and two in other disciplines, for one academic year (9 months). Applicants should have sufficient knowledge of French or German. Value: SFr1450p/m (undergraduate), SFr1650p/m (postgraduate & art students), regular university fees, medical insurance, travel from Switzerland to Australia.