

Adelaidean

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News from the University of Adelaide

December 2002

I N S I D E



Andy Thomas drops in

page 6



New urban environment centre

page 7



Theatre Guild turns 65

page 10



Control your power costs

How research is impacting on the future of your power supply

THE BUZZING sound from the black box on the television could not have come at a worse time. It's 3:00 on a sweltering Sunday afternoon. The family is relaxing in the lounge enjoying the cool air generated by the welcome air conditioner.

This temporary utopia is about to be disrupted: the household has a decision to make and the quicker they respond, the quicker they'll be able to continue with their lives. But it won't be the same.

The buzzing sound is to advise them of an electricity price increase and the family has to decide to keep the air conditioning on and absorb the additional cost, or suffer in silence.

"Welcome to the world of Demand Side Management," says principal research engineer David Vowles, who, along with Associate Professor Michael Gibbard, have been working together for the past 10 years in the School of Electrical and Electronics Engineers' Power Systems Dynamics Group.

"If we move the clock forward 10 years, this type of metering will be a part of our lives. We have the technology and it's now a question of time when this will occur," said Dr Gibbard.

Mr Vowles adds that the consumer must learn to make better use of power and be more efficient.

"The actual price paid by the consumer for electricity is not truly reflected as we pay over a given period, and not when we consume it," Mr Vowles said.

"Therefore, in the peak of summer you would be better off cooling your home in the morning and letting thermal inertia of the house keep it cool the rest of the day."

Mr Vowles said people do not see these price signals so they keep their air conditioning on during the highest temperatures of the day.

Both researchers caution that change is coming and with it, lifestyles will be altered.

Adapting to such changes in the supply of electricity is a feature of the group's research.

They are currently working with seven Australian power companies to improve the operation and reliability of the power supply that could potentially save the industry millions of dollars.

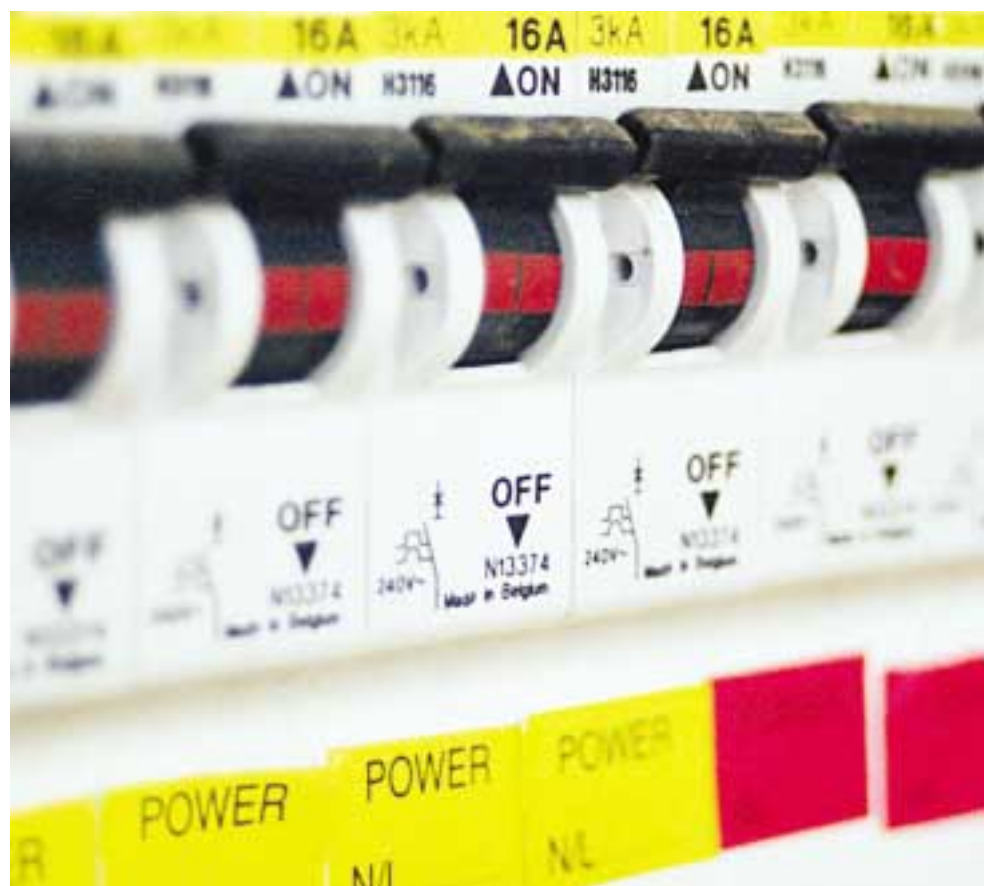
The project hinges around its title: "to enhance the dynamic performance of large power systems by means of automatic stabilising controllers". To make this happen, and to develop the necessary techniques and software, the group is benefiting from a three-year R&D contract worth almost \$500,000.

In explaining the concept, Dr Gibbard said the controllers are fitted not only to individual generators, but also to high-power electronic devices that are used to facilitate the transmission of power in the grid.

"Because the Australian power grid is a long and skinny system, extending from Roxbury Downs in South Australia through Victoria and NSW to Cairns in North Queensland, it is inherently unstable without the use of properly designed automatic controllers. And it's the instability that results in black outs," he said.

Dr Gibbard said the interconnection between the Queensland grid and the southern states in 2001 was made possible using the design techniques and a software package that evolved from research undertaken by the group.

continued on page 10



New horse research initiative

A NEW horse research group is to be established at the University of Adelaide's Roseworthy Campus. The move builds on successful research into equine health over the last two years.

Professor Phil Hynd, Head of the Department of Animal Science, says the new focus has the enthusiastic support of Thoroughbred Racing South Australia, South Australian Thoroughbred Breeders Inc and high profile racing and breeding experts Lindsay Park Racing Stables.

"The equine industry is worth over \$8 billion annually to Australia," Professor

Hynd said. "It's a significant industry and success is very much driven by the health of the animal, which is also a key focus of the Livestock Systems Alliance based at Roseworthy Campus."

The equine research group will work within the Livestock Systems Alliance, the largest gathering of livestock researchers in Australia. Partners include the University of Adelaide, the South Australian Research and Development Institute, Primary Industries and Resources SA, and the Murray Institute of TAFE Faculty of Primary Industries.



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From the Vice-Chancellor

What we contribute

The value of higher education to the State was an issue raised recently in a new report by the State Government's Economic Development Board. The Higher Education Status Report, as it's known, recommended some key changes to the way the three South Australian universities are run, including a proposed framework for closer collaboration.

The report quite rightly recognises the role of universities in economic development. After all, this university alone contributes more than \$630 million annually to the economy, we employ more than 2000 staff, have spin-off companies, export earnings and \$500 million in assets. We are a highly complex organisation, and our capability to drive all of these activities (not least of all our huge research output and teaching) in a manner both efficient and effective is often under-estimated.

Perhaps more importantly, universities such as ours make an invaluable contribution to the social and cultural fabric of society. It is vital that, if we are to maintain our ability to be the critic and conscience of society, to pursue the truth and to communicate that without favour (or fear), then we need to maintain our autonomy. Without autonomy we will not be free to critically and objectively appraise all aspects of society. When I say "we", I mean all universities. Our role in society is a unique one, and it is one that we are proud of.

Clearly an issue of importance for the Economic Development Board is one that the University of Adelaide is already committed to—that is, working more closely with the other South Australian universities. I believe that together the universities can help to create a more vibrant South Australian community. However, I am disappointed that the report does not give a strong sense of understanding of what is already happening by way of cooperation between the three universities. It is also disappointing that the Board has not consulted with us in developing its report, especially the proposed model for cooperation, which does not seem relevant to South Australia and requires further thought.

I hope the report will serve as a wake-up call to both universities and the business community to generate further discussion about the important roles we play in the State, and how we can achieve our aims together. Establishing closer links with business is something we are keen to do, and we look forward to working with them more closely on these issues in the future.

PROFESSOR JAMES A. McWha
Vice-Chancellor

Dazzling future for Colgate centre



Professor Mark Bartold. Photo: Howard Salkow.

IT'S not hard to understand why Professor Mark Bartold is passionate about the Colgate Australian Clinical Dental Research Centre (CACDRC) and his role as director.

Based at the University's Dental School and described as the most advanced dental research and clinical facility of its kind in the Southern Hemisphere, Professor Bartold has a clear vision where he wants to take the centre over the next few years.

"Since its official opening in April 1998, the centre has grabbed a great deal of interest across the world," the University of Adelaide-educated Professor Bartold said. "It is well known for its state-of-the-art facilities, outstanding personnel and regularly entertains overseas researchers."

And after only a few months in the position, Professor Bartold has already identified a number of key areas where the Colgate centre can enhance its position in the marketplace.

"There are a number of products that are difficult to obtain in Australia and we would like to find ways to import and distribute these materials," he said. "If we can overcome this challenge, we would be helping dentists by providing them with state-of-the-art material."

"And," he says with conviction, "as a long-term objective, I would like to see the centre operate with a full team of dentists and research students."

Professor Bartold's progressive thinking is echoed in the centre's strategic plan for 2003-2007. Its mission statement is clear: "The mission of the CACDRC is a commitment to dental research, education and service and will be focused on clinical relevance and oral health. Through these activities, the Centre will extend, evaluate and transmit knowledge in oral health for the particular benefit of the people of South Australia as well as the wider national and international community."

The centre will also be looking to meeting its overall objectives during this period:

- Evaluate the performance of dental materials and treatment, both in the clinic and laboratory;
- Encourage practising dentists to participate in clinical and laboratory research of dental materials;
- Provide an active, interesting and attractive scientific environment in which international researchers can participate;

- Investigate new materials and techniques;
- Liaise with the dental industry.

The centre's presence is also an excellent example of the University's strong relationship and commitment to working with private enterprise.

"Colgate has had an on-going association with the Dental School since the early 1960s. In the case of the centre, Colgate is looking to not only maintaining, but also more importantly, continuing to build its support for an on-going period," he said.

"Initially, the support extends over 20 years and they have already given direct financial support of more than \$1 million to the research centre. This clearly shows how important it is for universities to work with the private sector in research and other areas."

He adds that the centre readily adheres to two provisos laid out at the introduction of the partnership. "We exclusively use Colgate products and we do not undertake any research that competes against their products. This is an extremely fair arrangement," he says.

Another passion for Professor Bartold is his on-going work in periodontics, his area of specialty.

Periodontal disease is an infection of the gums around the teeth and the deeper tissues that hold the teeth in place. The main cause of this disease is dental plaque, a sticky, colourless film containing millions of bacteria that remain on teeth when they are not cleaned thoroughly. Approximately 90% of adults have some periodontal disease.

"A major activity at the centre is our periodontal research group and I foresee exciting prospects based on what we know about the disease," Professor Bartold said.

"Through a process called periodontal regeneration and tissue engineering, we are now able to repair the damage that has occurred from the disease. What this means is that we can get the building blocks back together around the teeth to enable us to grow the gums back."

The author of more than 130 scientific articles, five books and the holder of two patents arising from his research work, Professor Bartold exudes enthusiasm and you can look forward to hearing a lot more about him and the Colgate Centre.

—Howard Salkow

Adelaidean

Editor David Ellis
Layout Chris Tonkin
Writers Ben Osborne
David Ellis
Howard Salkow

Contributors John Edge
Joan Soon
Kim McBride
Rob Morrison
Anthea Court
Stroma Buttrose
Zhu Yongguan

Printed by Cadillac Color

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Passing Out Distribution Co.



Advertising

Advertising is handled by KRL Media
Tel: +61 8 8231 5433 Fax: +61 8 8212 1238
Email: info.krl@katron.com.au

Coming Events

Please send all coming events to the editor at the address below. There is no charge for coming events, but they must be University related.

Deadline for next issue: January 23, 2003.

Room G07 Mitchell Building, South Australia, 5005.

Tel (08) 8303 5174; Fax (08) 8303 4838; Email: david.ellis@adelaide.edu.au

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Optus donation

Optus has given the University of Adelaide \$10,000 to continue to provide leadership development programs for Heads of Departments, Managers of Administrative Units and nominees of Executive Deans and Directors who have the potential to fill these roles. Pictured at the presentation ceremony are (left) Vice-Chancellor of the University of Adelaide Professor James McWha and Optus Managing Director, Mobile, Allen Lew.

Student accommodation increase

THE UNIVERSITY of Adelaide has begun a major campaign to significantly increase the amount of student accommodation close to its North Terrace Campus.

This follows Vice-Chancellor Professor James McWha's recent call to improve student accommodation and target 1000 more beds over the next five years.

Executive Director of Student and Staff Services Ms Susan MacIntosh said the need for improved and additional accommodation is motivated by the increase of international, interstate and rural students attending the University.

"The University is continuing to attract more overseas students with approximately 1800 at the University this year. This figure is expected to increase significantly in coming years," she said.

"In understanding Adelaide's demographic profile, the University will increasingly rely on attracting international and interstate students. The University is also working hard to attract more rural, remote and indigenous students. Therefore, the provision of student accommodation will become an important issue.

"Our students, meanwhile, have diverse accommodation needs. These range from self-contained units to shared apartments with a number of beds and shared facilities.



"Generally, the majority of the students prefer the idea of having a community environment where they can mix freely and easily with their peers. The University also remains committed to providing subsidised accommodation for students in need.

"The issue of security is also important for students."

The University is currently running newspaper advertisements targeting developers, landlords, third-party managers and providers who are either able to provide facilities for lease or have appropriate student facilities.

There are five residential colleges affiliated with the North Terrace campus, which are located at North Adelaide: St Mark's College, Lincoln College, Aquinas College and St Anne's College, providing accommodation mainly for undergraduates. Kathleen Lumley College caters for postgraduates.

Ms MacIntosh said initial registrations of interest (to provide accommodation) close on December 19, and that a short list of preferred providers will be established towards the end of January 2003.

—Howard Salkow

NEWS IN BRIEF

Engineering graduate our best innovator

A Masters of Engineering graduate has taken out the 2002 Deloitte South Australian Innovator of the Year award. David Bohn received the award for his work with the IT company he founded and now runs, Foursticks Pty Ltd.

The award is given to the most outstanding innovator in South Australian business during the past 12 months. In this time Mr Bohn has recruited a world-class team of staff to South Australia, doubled shareholders' wealth with a 100% rise in Foursticks' share price, and taken his company into the global arena with the opening of an office in Singapore.

Geography postgraduate success

Yan Tan, a postgraduate student of the National Centre for Social Applications of GIS, was presented with an award by the Council of the Institute of Australian Geographers for an outstanding presentation (postgraduate) at the recent Institute of Australian Geographers Conference in Canberra.

Joan Durdin Oration

Professor Carol Gaston, will present the eighth Department of Clinical Nursing Joan Durdin Oration on Tuesday, December 17.

Professor Gaston, who has worked extensively throughout Australia and overseas as a clinician, educator, researcher and manager, will speak on "Nurses Leading Health System Reform". She is currently working on two long-term projects for the World Health Organisation and is Deputy Chair and Executive Officer for the South Australian Generational Health Review.

The Oration is named to honour Dr Joan Durdin, a South Australian who has played a major role in uncovering the historical legacy of nursing and in the advancement of nursing through the development of advanced education in the higher education sector.

This year's oration will also be followed by the inaugural presentation of the Pearson Prize. This prize, named for the founding head of the Department of Clinical Nursing, Professor Alan Pearson, will be awarded to the Graduate Diploma student with the highest academic mark for the year.

Symposium to honour Prof. Ernie Tuck

To mark the occasion of the recent retirement of Professor Ernie Tuck FAA, FTSE, from the University of Adelaide, a symposium and dinner will be held in his honour at the University of Adelaide on Friday January 31, 2003.

Talks will be given by Ernie's past and present students and close research and professional colleagues, highlighting his contribution to Applied Mathematics research and education, and his influence on and the development of their research and/or careers. All of Ernie's friends and colleagues are invited to attend.

If you wish to attend the seminar and/or dinner or would like further information please send an email to tucksymposium@maths.adelaide.edu.au or phone the School of Applied Mathematics on 8303 5408.

Law lecturer bound for Japan

Law School senior lecturer, David Wright, has been appointed as a visiting Professor at Tokyo University during the summer months. Mr Wright, whose expertise in the field of equity, was invited to apply for this position as a result of his research, and Japanese interest in equitable remedies.

Graduation time for the class of 2002

THE GRAND surrounds of Bonython Hall will once again play host later this month to one of the highlights on the University of Adelaide calendar, its main graduation ceremonies.

More than 2500 students are expected to receive their new qualification, spread across nine ceremonies in the week December 16-20.

Five ceremonies have already been held in 2002: two offshore in Singapore and Malaysia in April, and three at Bonython Hall in August.

Details for each ceremony are:

CEREMONY 6

Monday, December 16 – 10am: Faculty of Humanities and Social Sciences (all programs; family names A-M), Wilto Yerlo.
Graduate Address: Mr Terry Plane, senior journalist with *The Australian* newspaper.

CEREMONY 7

Monday, December 16 – 3pm: Faculty of Humanities and Social Sciences (all programs; family names N-Z), and all Elder School of Music programs.
Graduate Address: Mr Graham Koehne, composer based at the Elder School of Music.

CEREMONY 8

Tuesday, December 17 – 10am: Faculty of Sciences (all agricultural science programs) and Faculty of Engineering, Computer and Mathematical Sciences (all computer and mathematical science programs).
Graduate Address: Professor Peter Langridge, director of the new Australian Centre for Plant Functional Genomics.

CEREMONY 9

Tuesday, December 17 – 3pm: Faculty of Sciences (all programs excluding agricultural science).
Graduate Address: Professor Grant Sutherland AC, Women's and Children's Hospital Foundation Research Fellow.

CEREMONY 10

Wednesday, December 18 – 10am: Faculty of Health Sciences (all programs in the Dental School and Medical School).
Graduate Address: Lea Stevens MP, State Minister for Health.



CEREMONY 11

Wednesday, December 18 – 3pm: Faculty of Engineering, Computer and Mathematical Sciences (all programs in Engineering, and all B. Eng and B. Ma and Comp Sc double degrees).
Graduate Address: Mr Bruce McKay, chair of the board for the School of Petroleum Engineering and Management.

CEREMONY 12

Thursday, December 19 – 10am: Faculty of the Professions (all School of Commerce programs).
Graduate Address: Ms Susan Lee, marketing director of Soniclean Pty Ltd.

CEREMONY 13

Thursday, December 19 – 3pm: Faculty of the Professions (all programs in School of Economics and Graduate School of Education).
Graduate Address: Ms Vickie Chapman, Shadow Minister for Education.

CEREMONY 14

Friday, December 20 – 10am: Faculty of the Professions (all programs in School of Architecture, Landscape Architecture and Urban Design, Adelaide Graduate School of Business and Law School).
Graduate Address: Mr Michael Hickinbotham, director and general counsel Hickinbotham Group of Companies.

For more information about the December ceremonies, visit www.adelaide.edu.au/student/graduations

Bali tragedy hits home for forensic dentistry expert

AS a leading forensic dentist, Dr Jane Taylor has been exposed to a number of tragedies in her 15-year career. The Snowtown Murders and the Whyalla Airlines crash are two examples where she experienced human suffering first hand.

But for the University of Adelaide-educated dentist, the October 12 terrorist attack in Bali was different in many ways.

"I did not believe in my wildest imagination that something of this nature and magnitude could occur," she said on her return from two weeks in Bali. Dr Taylor was a member of the Disaster Victim Identification team that was in Bali to identify victims.

With the major aim of identifying someone by their teeth, forensic dentistry (odontology) is the application of dental science to the administration of the law and the furtherance of justice. It provides an important community service in both the civil and criminal jurisdictions.

"Because of the many Australians affected, it made matters all the more tragic and sad. I just hope that some good can come out of this eventually. But that is out of our control," she said.

Dr Taylor said she felt privileged to have been selected to work in Bali along with 12 other Australian dentists.

"In situations like these, you cannot eliminate the trauma. However, it is my sincere hope that the work I did in Bali can help in some small way for the families and the community as a whole," she said.

The call to serve in Bali came after the Indonesian authorities requested assistance from the Australian government and she was invited to be part of the Disaster Victim Identification team. Her role as a forensic odontologist would prove to be extremely critical in that the team had identified more than 70 victims through their dental records by the time she left Bali.

But, as she explains, there is a rigid process that must be adhered to before positive identification is established and the body is released to the family.

"When you have a large number of deceased people in a situation like this, you work to Interpol's international protocol," she said.



Dr Jane Taylor, Acting Director of the Forensic Odontology Unit and a Senior Lecturer at the Dental School, was exposed to the horrors of the Bali terrorist attack on October 12. Photo: Howard Salkow.

About 20 years ago, the international police organisation set up these protocols for identifying the victims of mass casualty incidents. One of the tenants of these principles is that you do not accept visual identification in mass fatality incidents, Dr Taylor said.

"There are a number of reasons for this. We know from small incidents in Australia that the bereaved are extremely traumatised and mistakes have been made in the past where a bereaved person has incorrectly identified someone (a friend or relative). In mass casualty incidents, this is multiplied several times over. Therefore, the principle behind Interpol standards is that we must use scientific methods to positively identify the victims," Dr Taylor said.

She adds all the victims have a full post mortem examination, all their property is removed, cleaned and photographed and they have a full dental examination with radiographs. They are also fingerprinted, if possible, and a DNA sample is taken.

"And while this is going on, another group—invariably trained police officers—liaise with the families to obtain as much information as they can," she said.

"They will be looking for dental records and fingerprints, for example, that can be possibly matched with the medical examinations. They will also seek medical history and physical descriptions as well.

"Once all the examinations have been done and all the information has been gathered, there is a matching process and comparisons are made."

When it comes to establishing a positive identification, Dr Taylor said, if the forensic dentist is satisfied that enough concordant information is available, then positive identification will be established.

"There is also an identification board who need to be convinced of all findings relating to that victim. Once they are satisfied and the identification is confirmed, the body can be issued with a death certificate and released to the family," she said.

"What we like to happen in incidents like Bali and with so many victims involved, is ensure the identification is confirmed by more than one person."

In working close to 12-hour shifts, Dr Taylor was not exposed to any of the families, but adds she was not removed from the human suffering.

"Although I was there to do a job as professionally as possible, it's impossible not to be affected," she said.

"This is not pleasant work, but it is necessary. In addition, I would not have accepted the assignment if I did not believe I would survive the process."

And Dr Taylor would assist in this kind of situation again. For she clearly sees the critical role of forensic dentistry and its place in society.

—Howard Salkow

New booklet helps GPs talk about death

IN WHAT is clearly a first in Australia and possibly the world, the University of Adelaide's Department of General Practice has produced a booklet dealing with talking about death and dying with patients.

Prepared by Ms Teresa Burgess and Department Head Professor Justin Beilby, and Dr Mary Brooksbank from the Royal Adelaide Hospital's Palliative Care Unit, the booklet is entitled *Talking to patients about death and dying*.

It was developed using a comprehensive literature review, focus groups with a variety of urban and rural General Practitioners and extensive consultation with key stakeholders in the areas of general practice and palliative care.

"Talking about death and dying can be an extremely difficult process for the medical practitioner and their patients," Professor Beilby said.

"One of the booklet's aims, which has been circulated to South Australia's general practitioners, is to assist them explore the patient's perception of their illness and prognosis and plan for their end-of-life care."

In many Australian states, Parliament has enacted laws that give patients the right to make known their wishes regarding their end-of-life care.

"Palliative care has provided a process for medical practitioners, nurses, allied health workers, patients and their families to work together to make the patient's last days as comfortable as possible," Professor Beilby said.

The material addresses what patients have identified as the characteristics that make up quality care towards the end of their lives. This includes receiving adequate pain and symptom management, avoiding inappropriate prolongation of dying, achieving a sense of control, preparation for death and completion (attending to unfinished business and saying goodbye).

The project was funded by the Department of Human Services.

—Howard Salkow

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Please note the CDRC will be closed for the Christmas season from Monday 23 December 2002 and will open for appointments on Monday 6 January 2003. For emergency treatment, contact 8272 8111.

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Nanotech scientist wins national award



Professor Stephen Lincoln.

A CHEMIST at the University of Adelaide has been awarded with a national medal for his groundbreaking work into the tiniest technology imaginable.

Professor Stephen Lincoln from the Department of Chemistry has been awarded the H.G. Smith Memorial Medal from the Royal Australian Chemical Institute for his work on "supramolecular chemistry" and "molecular machines"—which may lead to applications in nanotechnology.

The national medal is awarded for the most outstanding research by an Australian chemist in the preceding 10 years. The medal is given to the person deemed to have contributed the most to a particular field of chemistry in Australia.

Professor Lincoln, who has been a professor at

the University of Adelaide for more than 10 years, said he's elated at the recognition.

"At the same time, the award is also a recognition of the hard work of many gifted postgraduate students and colleagues, mainly at the University of Adelaide, without whom this research could not have been done," he said.

Professor Lincoln said the future of nanotechnology research at the University of Adelaide is potentially bright.

"Any quality university seeks to be at the cutting edge of research and teaching and this requires a steady flow of innovation," he said. "There is no doubt about the quality of staff and students at Adelaide to respectively introduce and absorb this innovation."

—David Ellis

The University of Adelaide opens its newest laboratory, in China!

A **JOINT** laboratory of Soil Environmental Science has been established between the University of Adelaide and the Chinese Academy of Sciences (CAS) in Beijing.

The new laboratory, at the Academy's Research Center for Eco-Environmental Sciences, is believed to be the first joint facility of its kind between China and Australia.

The initiative is the brainchild of Professor Zhu Yongguan, who moved to the Research Center for Eco-Environmental Sciences after working at the University of Adelaide's Department of Soil and Water.

Closer research links between the University and the Chinese Academy will result from the move, including research on environmental issues important to both Australia and China, and reciprocal visits by senior scientists, postdoctoral fellows and postgraduate students.

The new laboratory was opened by Professor Fu Bojie, representing CAS, Professor Zhao Jingzhu, Director of the Research Center, and Professor Edwina Cornish, Deputy Vice-Chancellor (Research) University of Adelaide.

Also present were Ms Katharine Campbell, representing the Australian Embassy, Beijing, Professor Liu Jian, Director, Department of Eco-Environmental Science, CAS, Professor Cao Jinghua, Director, Department of American and Oceanian Affairs, CAS, and Professors Sally and Andrew Smith and Drs Rob Reid, Petra Marschner, Julie



At the opening of the joint laboratory were (left) Professor Bojie Fu, Division Chief, Bureau of Resource and Environmental Science & Technology, CAS, and Professor Edwina Cornish, University of Adelaide's Deputy Vice-Chancellor (Research).

Hayes and Gao Lingling, from the University of Adelaide.

The opening and celebratory banquet which followed were attended by delegates at an International Workshop on Soil-Plant Interactions, organised by CAS and the University, at which about 50 papers were presented, with authors from 12 countries.

In congratulating the partners, Ms Campbell highlighted the importance placed on such projects by the Australian Government in building productive alliances, and the importance of such links in education as well as exploitation of new technologies and commercial interactions.

Speakers acknowledged the support and encouragement of Professor Malcolm Oades, formerly Dean of the Faculty of Agricultural and Natural Resource Sciences, and Mr Hugh McClelland, International Relations Manager, University of Adelaide, both of whom visited Beijing during the development of the project.

Speakers also emphasised that the project gives excellent opportunities for extension beyond the current emphasis on soil biology and plant nutrition into wider areas of environmental science and technology in which the partners share expertise.

Agreement a new foundation with China

THE University of Adelaide's links with China continue to expand after it recently became one of eight Australian institutions to sign an agreement which will see more Chinese students come to Australia.

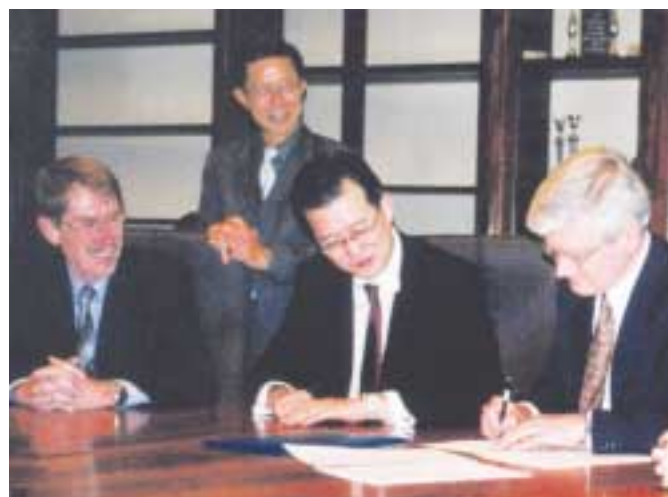
The University hosted the signing, which was conducted between Anglo Chinese Education (ACE) and the Australian University Partners (AUP).

The AUP consists of the University of Adelaide, Australian National University, University of Canberra, Swinburne University, University of Technology Sydney, University of Western Sydney, Queensland University of Technology and Latrobe University.

Under the agreement, universities in the AUP will promote and accept the Northern Consortium International Foundation Year (IFY). The Northern Consortium is a group of universities in Britain's north which accepts Chinese students through the IFY (known in Australia as a foundation studies program) run in China by ACE.

The IFY has proved very successful in recruiting high-quality Chinese students into the UK tertiary system, and similar success is forecast for the eight AUP universities who, by signing the agreement, are now eligible to receive Chinese students who have completed the IFY.

Pro Vice-Chancellor (International) Professor Ian Young signed the agreement on behalf of the University, and spoke briefly about how importantly the University regarded its relationship with China.



At the signing were (from left) Pro Vice-Chancellor International Professor Ian Young, Lord Mayor Alfred Huang, ACE President Zhou Yong and AUP Chair Warren Platt. Photo: David Ellis.

Others to sign the agreement were ACE President Mr Zhou Yong, and AUP Chair Mr Warren Platt from Swinburne University. Lord Mayor of Adelaide, Mr Alfred Huang, also attended the ceremony.

The first students to attend the University of Adelaide through the scheme are expected to begin studies in 2004.

Thailand next stop for Joanna Briggs Institute

THAILAND is the latest international foray for the Joanna Briggs Institute (JBI), with the recent opening of its collaborative Centre for Evidence Based Nursing and Midwifery at the University of Chiang Mai, in the city of Chiang Mai, north of Bangkok.

A joint initiative of the University of Adelaide and the Royal Adelaide Hospital, the JBI already has collaborative partners in New Zealand and Hong Kong, as well as throughout Australia.

‘We are very excited by this new association, and feel that both parties will benefit’

JBI Director Professor Alan Pearson and Deputy Director Mr Rick Wiechula attended the launch of the new centre. Representing Chiang Mai University were its President, Assistant Professor Nipon Tuwanon, and Dean of the Faculty of Nursing, Associate Professor Wipada Kunaviktikul.



At the launch of the Thailand Centre for Evidence Based Nursing and Midwifery at the University of Chiang Mai were (from left) JBI Director Professor Alan Pearson, JBI Deputy Director Rick Wiechula, and Thailand Centre Director Associate Professor Ratanawadee Chontawan.

Professor Pearson said the new centre would have a positive impact on nursing teaching at Chiang Mai University.

“We are very excited by this new association, and feel that both parties will benefit,” he said. “Strategies to promote and support evidence-based practice in Thailand through Chiang Mai include the translation into Thai of all 24 existing Best Practice Information Sheets previously released by the JBI.

“The Thailand Centre will be directed by Associate Professor Ratanawadee Chontawan, who, along with her teaching colleagues, are all highly qualified and experienced in the area of evidence based practice.”



Good signs for Andy

South Australia's astronaut Dr Andy Thomas added some excitement to the Alumni and Community Relations and Development Office when he dropped in for a brief chat recently. The Houston-based Dr Thomas—who obtained both undergraduate and postgraduate Engineering qualifications at the University of Adelaide in the 1970s—was presented with University merchandise by Professor Penny Boumelha, Deputy Vice-Chancellor (Education). He also signed a plaque containing mementos of his various space missions. Expecting to be back on the mission roster next year, he said many wealthy individuals are expressing interest in joining a space mission. “The Russians are cash-strapped and if you have \$18 million (US), they’ll take you,” he said. On January 22, 1998, Dr Thomas launched aboard Space Shuttle Endeavour as part of the STS-89 crew to dock with the Mir Space Station. He served aboard Mir as Flight Engineer 2 and returned to earth with the crew of STS-91 aboard Space Shuttle Discovery on June 12, 1998, completing 141 days in space and 2250 orbits of the earth.

—Howard Salkow

Architecture students go back to school

A team of Architecture, Landscape Architecture and Urban Design fourth-year students has gone back to school to find out what life after university will be like.

Jessica Feng, Anthony Balsamo, Wendy Koh, Daniel Smedley and Christopher Tyerman worked with David Kilpatrick from Kilpatrick Architecture to begin redeveloping the master plan of a large secondary school located in Mitchell Park.

Hamilton Secondary College operates four separate campuses on one site, and with constant additions of classroom and office space, has a haphazard arrangement of buildings and produced under-utilised buildings with few attractive outdoor spaces.

The College approached the School of Architecture, Landscape Architecture and Urban Design for help with its redevelopment. Mr Kilpatrick was asked to lead the team of students to conduct a site analysis, with the intention that their work would become the foundation for a detailed master plan allowing incremental implementation over the next five to 20 years.

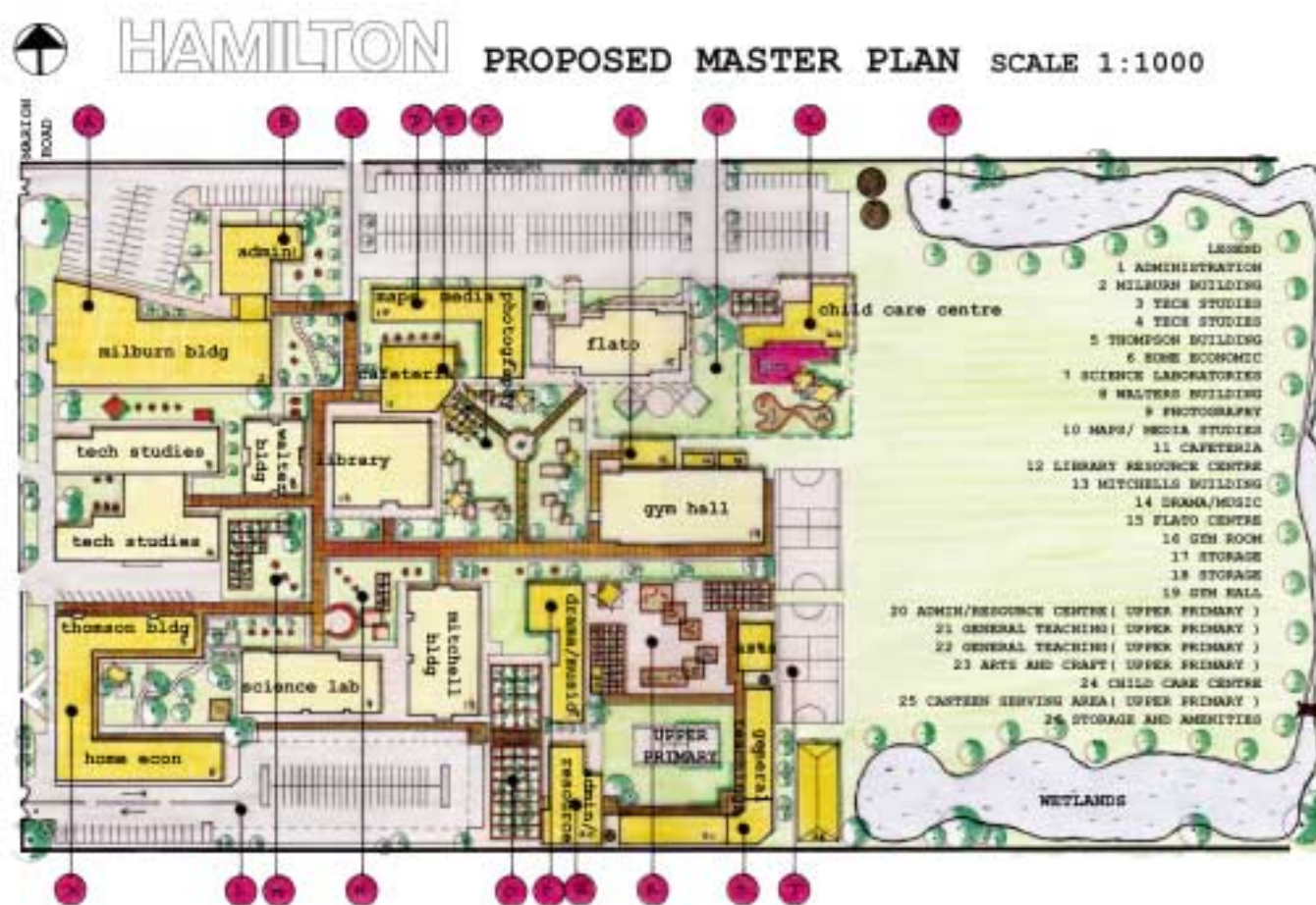
The team commenced work with a site and facilities study, followed by monitoring of student circulation patterns and interviewing user groups. The team then compiled a comprehensive brief of College requirements, with each student developing a master plan concept and a detailed study of a specific key area.

“The students explored issues such as security, safety, the design of movement spines, activity nodes, the potential for after-hours and weekend use, and sustainable energy use issues,” Mr Kilpatrick said.

“The team has presented their work to the College principal and deputy principal, who greatly appreciated their efforts. This project demonstrated the mutual benefit

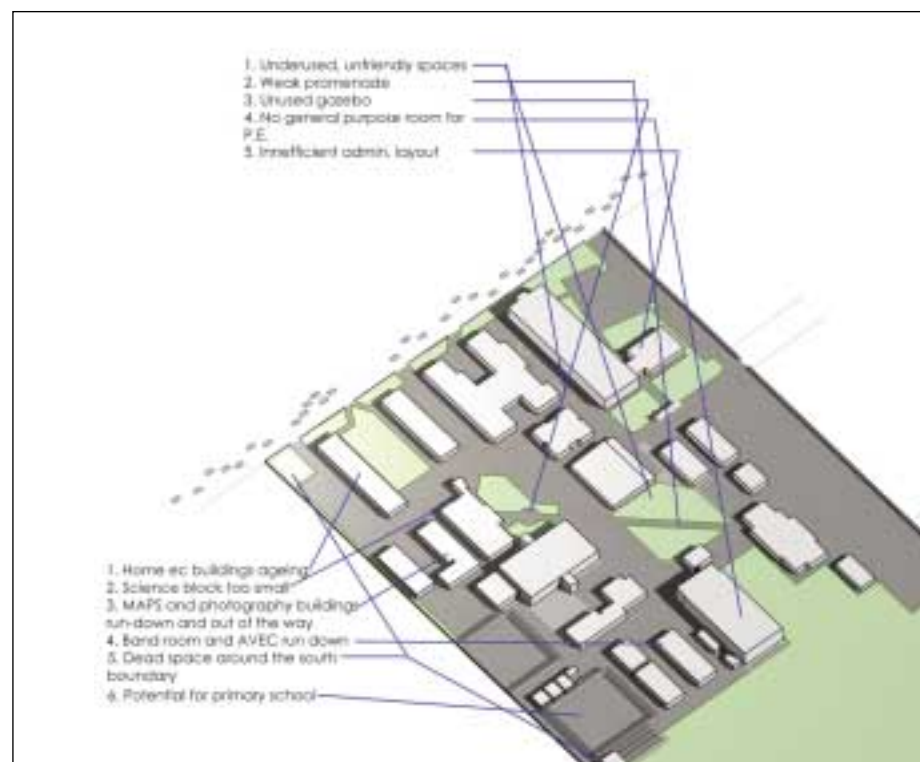
of architectural student teamwork in approaching a complex design project for a client.

“As an educational exercise, the commission represented a realistic time-dependant and budget-constrained problem. The intensive research and design work produced a comprehensive volume of valuable solutions, which will form the nucleus of on-going work at the College. The depth, breadth and quality of the inspirational package exceeded what would have been possible from the architect's office within the same time and cost.”



Above: One of the proposed master plans for Hamilton, drawn by Wendy Koh.

Right: The Hamilton campus as it presently stands, drawn by Architecture student Christopher Tyerman.



World-first centre to study city's biodiversity

A NEW research centre for urban biodiversity—the first of its kind in the world—has been launched, featuring a strong University of Adelaide presence.

The Centre for Urban Environments (CUE) is a joint project between the University, Adelaide City Council, the Museum, SARDI, Royal Adelaide Zoo, Botanical Gardens and the Department of Environment and Heritage. The CUE is headed by Dr Chris Daniels, from the University of Adelaide's Department of Environmental Biology.

Dr Daniels said the new centre will highlight the urban city of Adelaide's strong connection with the environment it is located in.

"The city of Adelaide has had a unique relationship with its environment since its inception in 1836," Dr Daniels said. "The distinctive location and structure of the city, its significant natural biodiversity and high interaction between major scientific organisations gives us an opportunity, unparalleled anywhere in the world, to enhance the urban environment of the city we live in.

"The community of Adelaide has always maintained an active interest and involvement in the protection, enhancement



Dr Chris Daniels with a rare barking gecko, an endangered species on the Adelaide plains. Photo: Ben Osborne.

and enrichment of its urban environment, and the CUE will build upon this tradition."

The CUE will research, advise and communicate on such issues as the parklands, introduced and native plants, the conservation and management of urban animals, paleobiology (the study of the Adelaide environment before man) and the Botanical Gardens.

"Our aim is to interact with State and local governments, industry and the community to develop strategies to enhance urban living and promote the communication and awareness of the importance of our environment," Dr Daniels said.

"The key difference between the CUE and every other similar project around the world is that we are a partnership between the

major scientific institutions in Adelaide, as well as involvement from the State Government and Adelaide City Council. We will all be working together to try to achieve the conservation of Adelaide's urban ecosystems and we're looking forward to being an engaging and valuable contributor to this city's future."

Two departments will provide the bulk of the University's contribution to the CUE: Environmental Biology, and Environmental Studies.

Senior lecturer in Environmental Studies Dr Sandra Taylor said the interaction between the two departments spanning the environmental sciences and social sciences is indicative of the spirit of partnership on which the CUE is based.

"It's particularly exciting because of the opportunities for undergraduate and postgraduate teaching and research on urban environmental issues at the University," she said.

"There is a wide range of areas that the University has expertise on which will fall into the areas covered by the CUE, and the fact that the University will be a major participant in the centre also underlines just how well our research is regarded."

—Ben Osborne

Business looking up for echallenge winners

AN INNOVATIVE idea for house roofing has won two University of Adelaide students more than \$50,000 worth of prizes in a business planning competition run by the University of Adelaide and Hewlett-Packard Australia.

The Complete Roofing Solutions team won the second annual University of Adelaide Entrepreneurs' Challenge—known as the echallenge—by planning a business venture around its roofing idea.

It was recently announced as the winner of the competition, ahead of four other finalists, by managing director of HP Australia Mr Paul Brandling at a dinner at the Radisson Playford Hotel and Suites.

More than 40 teams—with each team including at least one University of Adelaide student—entered the 2002 echallenge when it began in May.

Complete Roofing Solutions partner Jeremy Glaros said the win would give the company the opportunity to further develop its idea and is the perfect springboard for putting its product out in the marketplace.

"Winning the echallenge is a real boost for us, and will make our task of making a successful product that much easier," he said.

"Even just doing the process involved in the competition was beneficial for us, from drawing up business plans to being able to meet and network with high-ranking businesspeople—and winning was an unexpected bonus.

"Our concept is to produce revolutionary roofing system products known as the VersaTILE Range for the global building industry.

"These products will provide builders with a vast range of benefits including markedly reduced installation times and costs, greater versatility and increased ease of installation."



Andrew Richards (far left) and Jeremy Glaros (far right) from Complete Roofing Solutions with their mentor, Valerie Redman (second from left), and the President of the Women Chiefs of Business Enterprise International (of which Valerie is a member), Mandy Keillor.

Mr Glaros and his Complete Roofing Solutions partner Andrew Richards received more than \$50,000 in prizes, including money and computer products from HP Australia, consulting from Deloitte Touche Tohmatsu, a CleverPath portal with service support from Computer Associates, and stationery from Corporate Express.

Second place in the echallenge went to Fashion Tech for its development of a unique software product to aid the fashion industry.

Third place went to Active Innovations and Consulting for its idea for a product that will significantly reduce the fuel consumption of long distance high-speed transportation vehicles such as semi-trailers and buses.

The other two finalists were BEST Research and Global Muse, who developed ideas for the treatment of wastewater from the process of making olive oil and a new form of DVD and CD storage respectively.

Four of the five finalists also contained

students undertaking a Graduate Diploma in Business Enterprise through the University's new Education Centre for Innovation and Commercialisation (ECIC). The ECIC was formed as a result of the successful integration of two units within the Faculty of Engineering, Computer and Mathematical Sciences, the Enterprise Education Group and Science and Technology Commercialisation Programs.

—Ben Osborne

More teaching success for Derek

Postgraduate students reward their supervisors and staff for a job well done.



Associate Professor Derek Abbott.

DEREK Abbott's prowess as a lecturer is not altogether new. In 1998 he was a recipient of the Stephen Cole the Elder Prize, awarded annually to academic staff whose teaching is regarded of excellent quality by students and academic colleagues.

Four years later, he has again been recognised for this quality. The Director of Biomedical Engineering can add the 2002 Postgraduate Students Association's Supervisor of the Year award to his list of achievements.

For the past 10 years, the Postgraduate Students Association has presented a series of awards recognising outstanding service to postgraduate (research and coursework) and honours students.

Students nominate individuals and departments that have assisted them with their research, overall studies or in navigating them through university. The awards were presented by Vice-Chancellor Professor James McWha and Neville Marsh, Dean of the Adelaide Graduate Centre.

In explaining why he believed he was chosen out for the award, Associate

Professor Abbott said: "As a supervisor I believe I have consistently created a fertile environment for enabling students to excel and reach their full potential."

Dr Abbott is equally proud when he talks of his successes: two Fulbright Scholars, one Premier's Award Scholar, one prestigious Santa Fe Institute Summer School Scholar and one TU Delft Scholar, to name but a few.

Other 2002 Postgraduate Students Association winners and runners-up:

- Runner-up, Postgraduate Supervisor of the Year: Professor Robert Warner, Civil and Environmental Engineering;
- Honourable mention: Dr Ian Riley, Applied and Molecular Ecology;
- President's Award: Professor Maciej Henneberg, Anatomical Sciences;
- Lecturer of the Year: Professor Janet Hiller, Public Health;
- Runner-up: Dr Eva Sallis, English;
- General Staff of the Year: Mr Wesley Fiskl, Anatomical Sciences;
- Runner-up: Ms Carmel Palumbo, Physics and Mathematical Physics;
- Department of the Year: shared by Environmental Biology and Physiology.

—Howard Salkow

New grants for student zoologists

THE Royal Zoological Society of SA has established three scholarships for postgraduate students for work on zoology and the conservation of Australian animals.

The scholarships, to be offered annually, are aimed at celebrating three milestones in 2003, the 125th anniversary of the Society, the 120th birthday of Adelaide Zoo and the 10th anniversary of Monarto Zoological Park's opening to the public.

The University of Adelaide and the Society have had close connections for one and a quarter centuries. The Society's two research scientists, Drs Greg Johnston and David Taggart, both hold academic status within the University of Adelaide, and both are involved in a number of zoological research projects with University staff and students.

In addition to the Society's grants, Rotary is offering an additional grant through the

ROBIN Nestbox Project Committee, to be administered by the Society.

The grants are for \$1000 each. While postgraduate students from any university and at any level may apply for them, they are offered with the needs of Honours students particularly in mind.

"It can be hard for Honours students to find funding quickly at the start of the academic year," said Dr Rob Morrison, President of the Society. "While \$1000 is not a huge sum, it can be very helpful in covering expenses such as field work during the Honours year."

The \$1000 Rotary grant is for research involving the natural or artificial hollows that Australian animals use.

Applications are now open. Further details on all of the grants can be obtained from the Research Grants Committee, Adelaide Zoo, Frome Rd, SA 5000, ph (08) 8267 3255, or email: aoliver@adelaidezoo.com.au

OBITUARY

John Herbert Roder, AM (1928-2002)

JOHN Roder was wise, patient, long suffering, determined, kind, courteous, knowledgeable, and had a keen mind and an elephantine memory. A man who loved and lived the role of the law.

He was the extremely sensitive only child of John Ernest Roder, who came to Australia in 1926 as a cable operator with the Eastern Extension Cable Company's services in Darwin, and Kathleen Ellen Thornber, a great niece of the founders of the Misses Thornber School for Girls, in Unley, where she was also a pupil.

He attended North Sydney Boys High School, with holiday visits to Adelaide and to the Aboriginal settlement at Point McLeay, now Raukkan, where he was given an Aboriginal name—a great honour. In about 1940, the family moved to South Australia and John was enrolled at Adelaide High School. Here he met Denise Charlotte Hine, whom he later married.

During his years at the University of Adelaide (1946-1950), he was successively secretary and president of the Student Representative Council, and a Council Member of the National Union of Australian University Students.

John was articled to Robert Mellis Napier, son of the then Chief Justice and Lieutenant Governor of South Australia and Chancellor of the University of Adelaide. John was, in effect, Robert's errand boy. So, as a young man, he was closely associated with procedure, order of precedence and formal occasions.

Having graduated MA, LLB, John was admitted as a legal practitioner in 1950, was secretary of the Law Society in 1951 and, from 1952 to 1970, was the senior partner in the firm Roder Dunstan Lee and Taylor. In 1962, he undertook the newly established Master of Town Planning degree at the University of Adelaide.

As chairman of the Planning Appeal Board, and then tribunal, from 1967-94, John was responsible for the establishment of the principles and precedents to be followed by



the board. He took great pains to ensure that all who appeared before the board and tribunal felt as comfortable as possible during the hearing of their case.

John's love of native plants, his interest in English literature, his legal career and his emotional and intelligent understanding of people all coalesced when he was appointed a judge of the District Court in 1970. His judgments were well reasoned, though not concise, and rarely overturned on appeal to the Supreme Court.

He served in different capacities on various educational bodies, both secondary and tertiary, spanning 25 years, which included the Faculty of Architecture and Planning at the University of Adelaide and lecturing in "Law in Relation to Planning" from 1967 to 1980.

The death of their daughter Anne earlier this year affected the whole family very deeply. John loved and was proud of his two barrister sons, Stephen and Michael, and of the families of his three children. It was a delight to see him among his family and five young grandchildren. John's meticulous and hard work, his consideration of others and love of knowledge and truth exemplify the man.

COMING EVENTS

December 2002

THURSDAY, DECEMBER 5

1pm Chemical Pathology Seminar: "µ Glucosidase and the Immune Response to ERT in Pompe Disease" by Revecca Kakavanos (PhD student) and Departmental update by Dr Doug Brooks (Cell Biology). Seminar Room 1, 4th floor, Reiger Building.

FRIDAY, DECEMBER 6

1pm Environmental Biology Seminar: "Can creeks act as self-purifying systems (with a little help)?" by Kane Aldridge (PhD student). Lecture Theatre G03, Ground Floor, Napier Building.

WEDNESDAY, DECEMBER 11

5.30pm Centre for Biomedical Engineering Seminar: "A New Phase in Biomedical Imaging" by Professor Keith Nugent (University of Melbourne). Hone Lecture Theatre SG 15, Ground Floor, Medical

Building South.

THURSDAY, DECEMBER 12

1pm Chemical Pathology Seminar: End of year quiz: "Free drinks will be provided at this week's Seminar – true or false?" Seminar Room 1, 4th floor, Reiger Building.

1.10pm Physics Seminar: "Coherent X-Ray Optics" by Professor Keith Nugent (University of Melbourne). Kerr Grant Lecture Theatre, Physics Building.

WEDNESDAY, DECEMBER 18

10.10am Electrical and Electronic Engineering Seminar: "Campanologia mathematica – the mathematics of bellringing" by Dr Matthew Sorell (Electrical and Electronic Engineering). Room S112, Engineering South Building.

Teaching prizes reflect our quality staff



The winners of this year's Stephen Cole the Elder Prizes. From left to right, Associate Professor Patrick James (Department of Geology and Geophysics), Dr Wayne Cristaudo (Centre for European Studies and General Linguistics), Dr Holger Maier (School of Civil and Environmental Engineering) and Dr Michael Roberts (Department of Physiology). Photo: Howard Salkow.

THE 2002 recipients of the Stephen Cole the Elder Prizes have once again lived up to its high standards since the awards were first presented in 1991.

The prizes are awarded annually to academic staff whose teaching is regarded of excellent quality by students and academic colleagues. The winners each receive \$5000 for furthering their teaching activities and a certificate.

Mrs Isabella Cole Weinberg funded the Stephen Cole prizes from a bequest to the University. Stephen Cole the Elder (1814-1888) was Mrs Weinberg's maternal grandfather.

The *Adelaidean* talked to the recipients and discussed their teaching philosophies.

Dr Wayne Cristaudo, Centre for European Studies and General Linguistics Head

"Our biggest job is to be able to discriminate between what is life transforming, what is enriching and what has a short shelf life," said Dr Cristaudo.

After 14 years of tutoring and lecturing and two previous nominations (1992 and 2000) for the Stephen Cole the Elder prizes, Dr Cristaudo does not view teaching as having clear methods.

"In my discipline, it is essential to be passionate, inspiring and enthusiastic. It is as crucial to have the appropriate material. And it does not matter if it's contemporary or ancient," he said with conviction.

Dr Cristaudo no longer uses notes when he heads into the lecture room. This is a far cry from his inaugural lecture when his inspiring mentor, Associate Professor Paul Corcoran, got him to address a topic on history of political thought.

"I worked from my notes and after 10 minutes I realised I had gone too fast. This also prompted someone in the audience to comment that I had 'started on speed and ended on Valium'. It was a valuable lesson but appalling when I reflect on my performance," he said.

In receiving the award, which he is using to purchase a laptop for his department, Dr Cristaudo said what is important to him is how the students think. And by all accounts, he has won them over with his ebullient, refreshing and knowledgeable approach.

Associate Professor Patrick James, Department of Geology and Geophysics Deputy Head

Dr Patrick James still remembers the day back in 1975 when he launched his teaching career and was thrown in front of students and told to lecture a subject he knew nothing about.

"It was a terrifying experience. And for the next eight to nine years, I lived with the fear of teaching," he said.

Dr James said teaching has many obstacles. "When you enter a lecture room of 100 students, your job is to please the participants. It's tough. It's daunting. As a lecturer you have to provide enough stimulation to keep the students in the room and ensure they are both enjoying the session and learning at the same time," he said.

"It is particularly pleasing to know that your efforts have been formally recognised and I am truly flattered in receiving this honour."

Dr James concedes it has taken time to learn good teaching methods. But he has also researched teaching procedures, challenged his own approaches and attended teaching conferences. Today, he can speak of a philosophy that is clearly working.

"My philosophy for teaching in the University environment has been to stimulate the interest of students in all aspects of science in general, but geoscience in particular," he said.

"My attitude to teaching and learning is simple and follows the well-recognised principles of effective university teaching, i.e. the balanced inculcation of knowledge, skills and attitude. I apply this using three maxims: be prepared, be available and be ready to listen."

Dr James, who has now taught and worked as a geology researcher for close on 30 years, said his message to prospective teachers is to try to retain a one-on-one relationship with the students. "It's worked for me and reaped the rewards," he said.

Dr Holger Maier, Department of Civil and Environmental Engineering Senior Lecturer

The past 12 months have been extremely rewarding for the 34-year-old, German-born Dr Holger Maier, who is the youngest recipient of the 2002 Stephen Cole the Elder prizes. This is his third year of teaching.

This award is his fifth of the year. He has already won the ASCILITE Award for Best Web Project, the Pearson UniServe Science Teaching Award, a Commonwealth of Learning Award for the "Mekong e-Sim" project and a Young Tall Poppy Award.

"But," said Dr Maier, who emigrated to Australia with his parents 20 years ago, "I am not teaching because I want to receive awards. It is nice to be recognised and I appreciate it, but I am striving to be an excellent teacher and researcher.

"To this end, I see the awards as signposts to indicate that I am heading in the right

direction, but I am continually looking for improvement."

Dr Maier's few years as a consultant for an engineering company have helped formulate his teaching philosophies.

"I believe that the most important quality in a teacher is to have empathy with students. I try to put myself in their shoes and use this understanding to create learning environments that are stimulating and interesting," he said.

"I try to achieve this by using realistic assessment tasks and by relating what is being taught to what students might do once they graduate."

Dr Michael Roberts, Department of Physiology Senior Lecturer

As someone who is concerned about the state's future, Dr Michael Roberts believes he has a personal role to play.

"I am extremely committed to the next generation of South Australians and through my teachings, I believe I can contribute. There is no question that our future success depends on an educated population," he said.

Dr Roberts takes it a step further: "Individuals have a right to learn and it is part of my job to ensure that they can achieve this."

This incredible commitment over the past 25 years of teaching has paid off. In his nomination and state of claim document for the Stephen Cole the Elder prize, accolades poured in. Besides being labelled as a caring and understanding lecturer who understands students' needs, he received high praise for a unique ability to impart knowledge and maintain the participants' interest in the subject.

First trained as a dentist, Dr Roberts changed gears and acquired a PhD in science. "This is my first love. This is not to say I am anti-dentistry—I did practise for a short period—but what I am doing now gives me the buzz I want," he says.

In receiving the award, Dr Roberts says he is enormously satisfied. "It is great to receive the recognition after so many years of teaching."

The prize money will be put to good use. He will attend a physiology education conference in San Diego in 2003. Part of the prize will be used to support visits to Go8 universities and gather ideas for programs for high-achieving students.

*Department of Psychiatry Senior Lecturer Dr Anna Chur-Hansen, Department of Psychiatry, was awarded a high commendation in recognition of achievements in teaching.

The Stephen Cole the Elder prizes are traditionally awarded during University graduation ceremonies.

—Howard Salkow

65 years old - and going strong

Q: What do lilies, clowns, horses, cherries and gore have in common?

A: The University of Adelaide Theatre Guild, which celebrates its 65th anniversary in 2003 with a diverse and challenging season of five plays.

FIRST-TIME Guild directors Fiona Linn and Todd Golding lead off in March with *Guiding the Lily*, a topical revue drawing on the talents of local sketch comedy writers—several of them students and graduates of the University's Law School and experienced contributors to the traditional Law Revue.

May brings *Oh What a Lovely War*, directed by Melinda Boston and David Reed. This vibrant, anti-war music theatre piece by the late Joan Littlewood and Theatre Workshop was successfully revived by London's National Theatre in 1998, and its message is as relevant now as when it first appeared in 1963—perhaps more so!

After this year's success with *Amadeus*, the Guild revisits Peter Shaffer in August for the award-winning *Equus*. Martin Laud directs

this confronting journey into the mind of a teenage stable boy who plunges a steel spike into the eyes of six horses.

In October it's time for Anton Chekhov's great classic *The Cherry Orchard*, written 100 years ago. Directed by former Guild Artistic Director Peter Goërs, this eloquent, elegant play is an acknowledged masterpiece of high comedy and one of the all-time favourites of the theatrical repertoire.

Finally, November brings Canadian playwright Brad Fraser's *The Ugly Man*, coinciding with the Feast festival and directed by guest director, Geoff Crowhurst.

First produced in 1991 and based on the 17th century tragedy *The Changeling*, *The Ugly Man* combines 1950s Hollywood idiom with the pressure cooked emotion of American daytime television to explore lust - for money, sex, power, release. Fraser's wit and theatricality



spin a web of intrigue, tension, murder and gore worthy of the Jacobean ancestry of this play—and the American popular culture which spawned it.

"We're excited by the challenging mix of plays for 2003, and by the field of directors who will work with us," said Guild Administrator Ms Melanie Hibberd.

"It's a particular pleasure to welcome back Geoff Crowhurst, who started out with the Guild more than 25 years ago, and is now a much-respected figure in South Australian professional theatre, especially through his work with Junction Theatre."

After 65 years on campus, the Guild sees itself as part of the fabric of the University's cultural life, and of its connection to the community at large, Ms Hibberd said.

"We want to play our part in bringing the University and community together, by doing exciting, enjoyable, high quality productions, and giving staff, students, and members of the community the chance to get involved—whether onstage, backstage, as audience members, or as financial supporters."

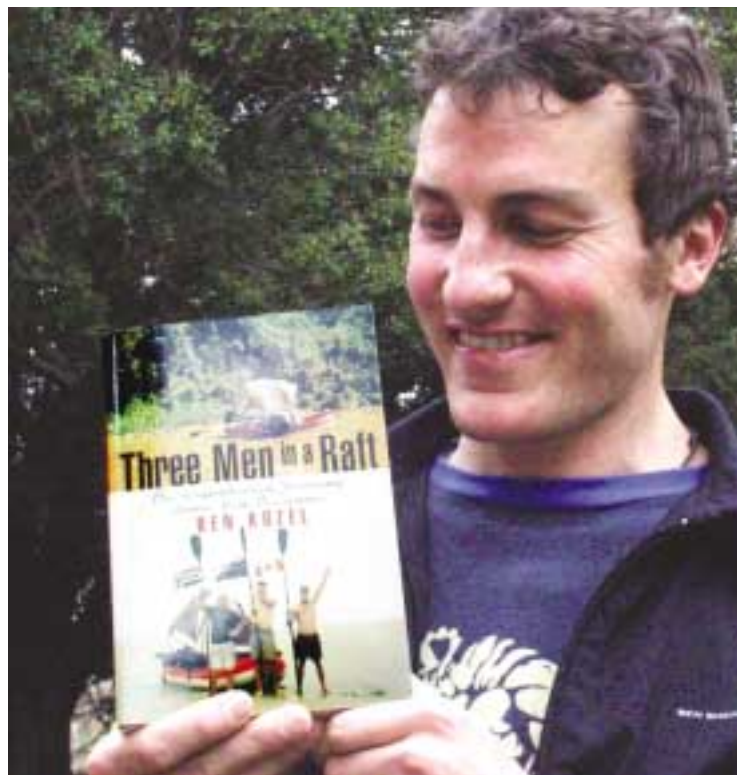
All 2003 productions are in the Little Theatre, University Union Cloisters, at 7.30pm. Full details of dates, prices and other information about the Guild are available at www.adelaide.edu.au/clubs/theatreguild or from Melanie Hibberd on email: melanie.hibberd@adelaide.edu.au

—John Edge

- Donations to the Theatre Guild's Public Fund are tax-deductible. Contact Melanie Hibberd for further information.
- *As Many Lives As A Cat?*, a history of the Theatre Guild's first 60 years, is available from the Guild office for \$10.

Take home an Amazon adventure

A new book by a University of Adelaide student details a perilous quest by three young men to row the entire length of the Amazon River.



Ben Kozel and a copy of *Three Men in a Raft*

Three Men In A Raft is written by University of Adelaide Science student Ben Kozel, who with two companions from Canada and South Africa embarked on an incredible journey down the Amazon in 1999.

Their rafting adventure took them more than 7000 km across South America, from the source of the Amazon in the Andes to the very end of the mighty river in the Atlantic Ocean.

Along the way they barely survived whitewater rapids, were shot at by rebels and almost run down by ships in some of the deepest of the Amazon's waters.

Printed by Pan Macmillan Australia, *Three Men In A Raft* is available at all good book stores for a recommended retail price of \$30. But the book could be yours—for free!

Courtesy of the author, the *Adelaidean* has one free copy of the book to give away. It could make a great gift for Christmas, or to yourself.

To win the copy, be the first to phone (08) 8303 3173 and answer the following question: which major river in Siberia has Ben Kozel also rowed?

Control your power costs

from page 1

"In our current contract, methods will be investigated for the analysis and design of stabilising controllers. Firstly, for special-purpose power-electronics devices that have been developed in the last few years and, secondly, for large farms of wind-generators, some of which will be sited in South Australia."

Said Mr Vowles: "The power system is incredibly complicated and we are concerned about one particular aspect of its reliability and that's with its electro-mechanical stability.

"If the system is unstable, you experience blackouts. In essence what we are concerned about is to design controllers to ensure that on a second-by-second basis, the system remains in synchronism. If this is not the case, there'll be blackouts."

The leading edge research and development of the group at the University of Adelaide has been acknowledged by the recent election of Dr Gibbard as a Fellow of the Institute of Electrical and Electronic Engineers (New York), the pre-eminent professional society in this field.

Already the major power utilities in Australia and other companies are benefiting by using the software package in which the research outcomes are embedded. A Swedish company, ABB, has recently acquired the software. Organisations in other countries such as Canada, the UK and South America have expressed interest in the package.

With change occurring in lightning fashion and the cost and reliability of electricity supply becoming a major concern now that most major power utilities have deregulated, what's in store for the power group?

Said Dr Gibbard, who obtained his first degree in 1957 and joined the University 32 years ago: "I am due to retire at the end of the year. However, our current R&D contract ends in 2004 and I hope I'll see it through."

With that, Mr Vowles (a 1984 graduate) smiled broadly. "With any luck, the group can be half as innovative and productive as it has been in the past," he said.

—Howard Salkow

Mixing science and politics



IT'S not often that University of Adelaide staff have the opportunity to talk about the issues affecting them one-on-one with Federal politicians.

But as part of a recent two-day conference in Canberra, Dr Nicole Morcom (above) from the University's Department of Geographical and Environmental Sciences had the chance to meet and engage with politicians from all major parties.

Dr Morcom attended the Federation of Australian Scientific and Technological Societies' (or FASTS) Science Meets Parliament Day as a representative of the University's Research Staff Association.

The first day consisted of conference delegates being addressed by such people as Dr Thomas Barlow (science adviser to Dr Brendan Nelson) and Lord Robert May (UK Chief Scientist), and taking part in a panel discussion featuring Senator Kim Carr and Senator Natasha Stott Despoja.

The second day featured all delegates being addressed by

Minister for Science Mr Peter McGauran and Opposition Leader Mr Simon Crean, as well as two private meetings.

"My first appointment was with Senator Jeannie Ferris," Dr Morcom said. "This was a great meeting where I discussed the problems associated with marine and fresh water systems. I also discussed problems facing postdoctoral fellows.

"My second appointment was with the Speaker of the House of Representatives, Neil Andrew. Again I had the chance to push the case of marine and freshwater ecosystems and the need for basic research.

"We also discussed HECS and science funding, and it was a very constructive and useful meeting.

"The whole two days were a fantastic experience—it is extremely valuable to be able to talk to Parliamentarians face to face, and it is vital communication for science in Australia."

Dr Morcom attended the conference with funding from the Deputy Vice-Chancellor (Research), Professor Edwina Cornish.

Commerce chapter another step forward

THE official launch of the Commerce Chapter of the University of Adelaide alumni was held at the EDS building in Adelaide last month.

The chapter's launch brought the number of alumni chapters and networks to 17, at local, national and international levels.

Attending the event was the Vice-Chancellor, Professor James McWha, who said the new chapter was a big step forward in helping the University to build bridges with industry and the community.

"Not only are we launching a new alumni chapter, we are also launching networks and relationships that we hope will be enduring," he said. "We are building bridges to each other on a personal basis, as well as from the University to the community."

The chapter launch also served as the launch of its new website, which has been built to communicate with members and develop networks.

"The chapter recognised that facilitating contact and networking between its widely diverse members (both professionally and geographically) required connectivity beyond the traditional methods used by alumni chapters," said Mr Luc Bondar, Chair of the Commerce Chapter.

The chapter approached Deloitte Touche Tohmatsu's Adelaide office to sponsor the development and maintenance of a purpose-built website and relational database. Deloitte has subsequently provided ongoing financial, advisory and content support, with final planning, design and building of the site carried out by the University of Adelaide's Web Services. Deloitte also sponsored the launch of the new Commerce Chapter.

The website represents the primary communications vehicle for the chapter, and can be found at: www.commerce.adelaide.edu.au/alumni

ALUMNI NEWS

Film night a matter of black and white

Members of Adelaide's legal profession were treated to a special screening of the recently released movie *Black and White* on November 4 at the Palace Cinema in Rundle Street.

Black and White is a compelling film about one man's struggle to free an innocent man. It is based on the powerful true story of a 1959 landmark trial which irrevocably changed the course of Australian legal history.

Set in Adelaide in 1958, *Black and White* stars Robert Carlyle as the inexperienced but passionate lawyer David O'Sullivan, who is given a legal aid case to defend an Aboriginal man, Rupert Max Stuart (David Ngoombujarra), who has been arrested for the rape and murder of a young girl in the far-west town of Ceduna. The University of Adelaide's historic buildings were featured in some of the scenes including the original entrance of the Barr Smith Library and the staircase and foyer of the Mitchell Building.

The screening was organised by the John Bray Law Chapter and generously supported by the Courts Administration Authority and the Law Society. Tickets sold out almost as soon as they were made available.

A discussion panel chaired by Justice Tom Gray, President of the John Bray Law Chapter, was held immediately following

the movie. The panel included Dr Archie Barton, Judge Andrew Wilson, The Honourable Christopher Legoe QC (member of the Cornell Chapter committee), and the producer and director of the film.

Drinks and nibbles were held in the cinema atrium afterwards, where around 100 guests were able to ask questions of the producer and director and members of the discussion panel.

Run out of ideas for a Christmas Gift?

For something a little bit different this year have you thought about a gift from the University's extensive merchandise range or perhaps a book on the life and times of one of our most popular and prominent graduates, Dame Roma Mitchell? These items can be purchased directly from the Alumni, Community Relations and Development (ACRD) office located at Level 1, 230 North Terrace. Information on University of Adelaide merchandise and *Dame Roma: Glimpses of a Glorious Life*, can be found on our website at www.adelaide.edu.au/alumni. A souvenir of the University of Adelaide also makes a nice Graduation Gift and can be purchased at the merchandise stall opposite Bonython Hall during Graduation Week or directly from ACRD at any time. Please call +61 8 8303 5800 for further information.

Northern sub-chapter of West Malaysia alumni launched

MALAYSIAN alumni of the University of Adelaide have continued to strengthen, with the recent launch of a Northern Sub-Chapter of the West Malaysia alumni.

The launch was held in Penang, but even before the event began there were celebrations with other Malaysian alumni members.

In the early hours of Saturday, November 16, four carloads of Kuala Lumpur-based Malaysian alumni headed off on the 400 km trip north to Penang.

The convoy left the highway at the northern city of Ipoh, stopping for brunch with alumni from the State of Perak, hosted by Mr Lee Ngeow Seng, father of two University of Adelaide graduates.

The travelers eventually made their way to the Parkroyal Resort on Batu Ferringhi Beach, where they were joined by alumni from Penang, Perlis and Kedah for the official launch of the Northern Sub-Chapter. In all, around 30 University of Adelaide alumni attended.

President of the West Malaysia Chapter, Law graduate Mr Mathew Thomas Philip, welcomed the attendees and led the meeting, which demonstrated a unanimous and enthusiastic embracing of the new sub-chapter.

There were six volunteers to establish the steering committee: Mr Radin Baidrul Ikram (BSc 1986, BEng 1987), Dr Rosita Haji Ramli (MBBS 1988), Mr Loo Chee Siang (BEng 2000), Ms Chin San Nee (BCom 1993, LLB 1995), Mr P'ng Hock Chye (BEng 2000), and Ms Lin Su Ann (BEng 2000).

All-comers agreed that the venture had been highly successful and looked to meeting up again at a function hopefully coinciding with the 2003 Sister City Celebrations in Georgetown, and the possible visit at that time of many alumni from Adelaide.

Following the formation of the Northern Sub-Chapter, 2003 will see moves towards the formation of a Southern Sub-Chapter incorporating Johor and Melaka.

radio.adelaide.edu.au

December
2002**Odyssey**
SUNDAYS 9 - 11 PM

Long-time *Advertiser* journalist Paul Lloyd has expanded his media skills to become as provocative on radio as he is in print. Seamlessly blending music with comedy Paul takes you on a trip - an *Odyssey!* From classical to country, from Jack Benny to the Goons this man's got it all and he's not afraid to put it on the airwaves for your listening pleasure. *Odyssey* is just one of 29 new summer programs - catch them all!

The Killing of Dr George
Award Winning Documentary
SUN 8 DEC 11 AM

The *Aqueerium* team, creators of *The Killing of Dr George* were awarded a Special Commendation by the SA Institute of Justice Studies for the documentary which commemorates the 30th anniversary of the death of University of Adelaide Law Lecturer Dr George Duncan in a hate crime which triggered gay law reform in South Australia.

Radio Adelaide SCOOP: Miriam Hyde
SUNDAY 11 AM - 5 JAN 2003

You never know where that "killer interview" is going to turn up. In October our Program Director PJ Rose took a holiday to the *Barossa International Festival of Music* and was amazed to see two of Australia's most famous composers chatting away without a recordist in sight. Seizing the initiative, PJ whipped out a trusty hand mic and captured a very entertaining conversation between **Miriam Hyde** and **Peter Sculthorpe**. This conversation and Dr Hyde's impromptu piano recital can be heard on *Public Domain* at 11 am, Sunday 5 January 2003.

WIN a State Theatre Company Subscription
JUST SUBSCRIBE IN DECEMBER!

If you subscribe (or renew) to Radio Adelaide in December you'll go into the draw to win a double subscription to the *State Theatre Company of SA*. The subscription entitles you to 5 plays (out of a choice of 7) on Thursday, Friday or Saturday nights. Total prize value is over \$300. Subscription to Radio Adelaide is just \$52/\$26 and can be made by payroll deduction.

Our best music talents recognised at end-of-year concert

An Elder Hall filled to capacity was witness to the culmination of the 2002 Lunch Hour Concert series recently.

AS is tradition, the concert also doubled as the final of the awards for the best student musician in the Elder School of Music, the Beta Sigma Phi Music Awards. (Note: in alternate years the awards are also known as the David Galliver Memorial Awards.)

Four of the State's—and indeed the nation's—best young musicians each presented pieces of their choice. One of the judging panel, Elder Professor of Music Charles Bodman Rae, said the task of picking a winner was an extremely difficult one.

Cellist Pei Sian Ng was awarded first prize and \$1200 for his performance of two pieces: the Moderato from Prokofiev's Sonata for Cello and Piano in C major (Opus 119), and Popper's Elfentanz (Dance of the Elves). Ng is currently in his third year of the Bachelor of Music (Performance) program, and is taught by Janis Laurs.

Second prize and \$600 went to pianist Michael Ierace, who performed Liszt's Tarantella from *Years of Pilgrimage*. Ierace is in the second year of the Bachelor of Music (Performance) program, and is taught by Lucinda Collins.



Pictured in Elder Hall after the last Lunch Hour concert are (from left) second place-getter Michael Ierace, finalist Stefanie Lavan, winner Pei Sian Ng, and finalist Pei Jee Ng.

The two finalist prizes (\$300 each) went to flautist Stefanie Lavan and cellist Pei Jee Ng. Lavan is in her third year of the Bachelor of Music (Performance) program and performed Jolivet's *Chant de Linos*. She is taught by Michael Scott.

Ng performed Ginastera's *Pampeana No. 2* (Opus 21). He is in the third year of the

Bachelor of Music (Performance) program and is taught by Janis Laurs.

Beta Sigma Phi is an international women's organisation founded in the early 1930s, and has interests in the Arts and Current Affairs, in fostering friendship and in giving service to the community.

—Ben Osborne



The cast of *Halloween Resurrection* in search of a good script. Think you can do better?

Looking for something different this summer?

EVER wanted to write an award-winning film, or get a good night's sleep? Now you can do both, thanks to the University of Adelaide's latest program of Summer Short Courses.

Offered by the Centre for Professional and Continuing Education, the Summer Short Courses enable members of the public to fulfil their personal, professional and creative development needs.

Among the Community Courses this summer is the "Beginner's Guide to Writing Feature Films", aimed at helping to turn your great ideas into a movie script, and "A Good Night's Sleep", which focuses on this highly important aspect of everyone's health and well-being.

Languages are again a strong feature of the summer program, with intensive classes aimed at beginners who want to learn a language quickly and

conversation classes. French, German, Italian, Japanese, Mandarin (Chinese) and Spanish are all on offer, as well as a course in Business English for those from non-English speaking backgrounds.

High school students looking to get a smart start on Year 12 will find subjects in accounting, maths, physics, chemistry, biology and economics, as well as "Coping With Year 12" and "Effective Essay Writing".

A whole range of courses can help with your personal and professional development, such as how to think strategically, managing time, and improving your speech. A number of award and non-award courses are also on offer from University of Adelaide schools and departments.

To receive a copy of the program, phone Professional and Continuing Education on (08) 8303 4777, or visit the website: www.adelaide.edu.au/pce



NEWSMAKERS

Adelaide's latest Rhodes Scholar, **Dr Thomas Smith**, was featured on 5AA with Tony Pilkington and Keith Conlon (Nov 1), in the *City Messenger* (Nov 13), and on www.aapmedianet.com.au (Oct 31). At Oxford, Dr Thomas will undertake a PhD in respiratory physiology.

Research by PhD student **Damien Belobrajdic** into protein in dairy foods was a palatable subject for *Channel 7's Sunday Sunrise* (Nov 3).

Dr John Whitley backed up his controversial article on gun control in *The Age* (Oct 31) with an interview with Ken Dickin on 5AA (Nov 5). Whitley says he doesn't agree with banning hand guns and says authorities need to concentrate on guns owned by criminals.

Professor Chris Mortensen is applying philosophy to the discussion of all manner of topics in his regular spot with Carole Whitelock on *891 ABC*. Issues dealt with this month included cricket (Nov 6), intimidation in sport and sledging.

The announcement of a new horse research group being established at Roseworthy Campus led to interviews with **Professor Phil Hynd** on *891 ABC* (Nov 5) and a story in *The Advertiser* (Nov 13).

The Muslim Prayer Month, Ramadan, began this month. **Dr Arthur Saniotis** discussed its religious, spiritual and cultural significance on *Radio Adelaide's Radio Expresso* (Nov 7).

News on *5DN/Mix 102.3* (Nov 11) reported on the inquest into the May 2000 Whyalla Airlines crash, and mentioned that mechanical engineers from the University of Adelaide are contributing to the inquest.

An unusually named weed, Branched Broomrape, is one of the world's worst parasitic pests and poses a threat to Australia, according to *ABC TV's* Stateline, which interviewed **Dr John Matthews** (Nov 8). He also appeared on the network's rural affairs program, *Landline* (Nov 10), on the same issue.

Dr Jane Taylor spoke to Jeremy Cordeaux on *5DN* (Nov 12) about her work in Bali where she was helping to identify victims of the recent bombing attack. She says her

work can be unpleasant, but that's what she's trained to do.

A free trade agreement with the US and its likely impact on Australian business was the topic of discussion by **Dr Patrick Wright** on Leon Byner's *5AA* morning show (Nov 15). Dr Wright says some interests in Australia would be advantaged by access to the American market.

The Law School's new three-week summer course in "Transnational Crime and Terrorism" has sparked media interest, with **Dr Andreas Schloenhardt** interviewed by *Triple-M/SAFM*, *AAP* and *SBS* (Nov 27). Stories also appeared on the *Daily Telegraph's* website.