

ADELAIDEAN

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NEWS FROM THE UNIVERSITY OF ADELAIDE

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International growth proves a winner

THE UNIVERSITY of Adelaide has won the education category of the 1998 South Australian Export Awards, with judges praising its planning and marketing.

The awards are run by the South Australian Employers' Chamber of Commerce and Industry and sponsored by ANZ.

The win means that the University will be in the running for the Australian Export Awards, to be announced later in the year.

Here's some of what the judges had to say:

"The University of Adelaide is an excellent example of an education service provider gaining a healthy share of the national multi-million dollar overseas education market through careful planning and implementation of sound marketing activities.

"..Over the last eight years the University has greatly increased its international activities. It enrolls more than 1300 students from 71 countries, with the majority from Malaysia, Indonesia, Hong Kong and US. It also has substantial enrolments in programs conducted in Malaysia and Singapore.

"Steady growth of more than 12 per cent per year has come from a consolidation of traditional markets including Singapore, Malaysia and Indonesia, a diversification into other countries such as China, Europe, UK and Scandinavia, the development of new courses and programs for these markets and the development of offshore course delivery through a twinning program in Malaysia and through a postgraduate course centre in Singapore.

"In addition, the University has developed its business in the provision of specialised training courses for a wide range of instrumentalities such as the World Health Organisation, AusAID, United Nations Environment Agency and government bodies in countries such as Indonesia, China and Malaysia."

The Vice-Chancellor of the University of Adelaide, Professor Mary O'Kane, said the award was a tribute to the quality of education provided by the University and the integrity of its marketing activities in the international arena.

—David Washington

Adelaide speaks through 5UV

ADELAIDE City Council has recognised the role played by Radio 5UV in reaching a public that seeks innovative documentaries by awarding the station a \$2000 grant to produce a series of radio programs titled *Adelaide Speaking*.

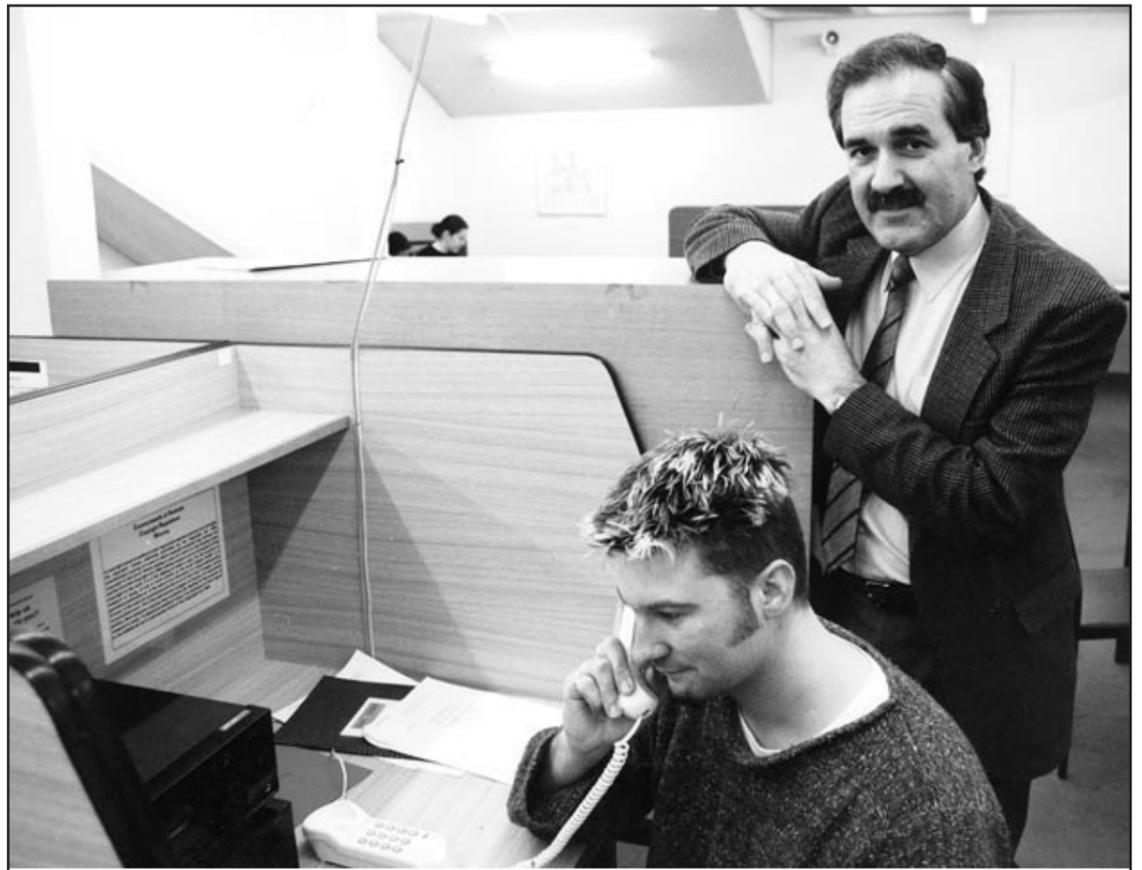
The series of 13 half-hour programs touches on events and characters of Adelaide's past, but with emphasis on the present day and with visions for the city's direction into the 21st century.

Adelaide's parklands, its terraces and squares, the River Torrens and the Adelaide Arcade are among the subjects that inspire comments from such prominent Adelaide people as the Lord Mayor, Dr Jane Lomax-Smith; the State Historian, Dr Robert Nichol; Rex Jory; Keith Conlon; the Hon. John Bannon and others. The Hon. Don Dunstan speaks on Adelaide's changing lifestyle.

The *Adelaide Speaking* team consists of producer Helen Oliver, interview recordist Claire Taylor and Gawain Letheby, technical producer.

The series is already in production but broadcasting will not begin until late March when it will coincide with the launch of the Adelaide City Council's Parkland Management Strategy.

Facing the music by phone



Bruce Hancock (standing) with jazz performance student Derek McClure testing out the Telephone Audio Access System. Photo: David Ellis.

"IF WE'D HAD a comprehensive playback music service when I was studying music, I'm sure my standard of playing would have improved more rapidly," says Bruce Hancock, jazz musician and designer of a new phone-based music archive now in use at the University of Adelaide.

Bruce Hancock is Head of the Jazz Program in the Faculty of Performing Arts. He designed and built his Telephone Audio Access System (TAAS) two years ago after receiving seed money from the Department of Employment, Education and Training, assisted also by funds from the University of Adelaide.

Presently the only one of its kind worldwide, it has generated a great deal of interest nationally and internationally.

The impetus for creating TAAS was to get music students to listen to their performances regularly in order to improve performance style. Bruce Hancock hit upon the idea of using a phone-in service as a result of his 20 years' experience with telecommunications technology, gained in a previous work incarnation. During this time he also established his considerable standing as a jazz musician, and has since led a number of bands including the Bruce Hancock Trio and Bruce Hancock Sextet.

He decided upon phone technology rather than the internet for reasons of ease of access and use. Unlike the internet, which requires that students must firstly have a home computer with connection to an internet service provider, anyone with a phone can access TAAS.

Furthermore, while internet-based applications require sound files to be accessed from websites, TAAS by comparison delivers recordings with virtually the same sound quality at the push of a few phone keys.

Using TAAS is very like using any of the phone

key-operated customer inquiry services provided by major organisations like banks, telecommunications companies and government departments.

Students firstly input a four-digit security PIN to gain entry to a particular set of files and then dial in simple instructions to hear recordings of their performances, all by pressing simple combinations of phone keys.

The keys enable them to select performances from a catalogue by title or date of performance, and selections can even be made by typing in entries which only approximate the title of the actual recording required. Some entries are listed in numeric form while others are listed as words to be spelt out using the alpha-numeric keys.

The replay process can similarly be manipulated by keystrokes which control forward, reverse, pause and volume functions just like those of a CD player.

The performances are recorded by Mr Hancock on digital equipment using quick and simple setups. Less than 24 hours later, these pieces are catalogued on TAAS and ready for student ears in all their unedited glory.

At the heart of the TAAS system is a computer housed in a room near the Performing Arts Library which is connected to a booth in the library where students can listen to and make cassette copies of their performances. The system is also connected by phone line to the wider community for phone-in access.

It currently contains 100 gigabytes of storage which enables about 250 hours of near-CD quality sound to be archived—enough space for all the performances of 150 jazz music students for their entire three-year course.

Continued Page 3



My Weekend with Genghis Khan

Last weekend we had a very productive Group of Eight meeting in Perth, with a long agenda and a series of fruitful discussions on difficult issues. Matters such as the course experience questionnaire, learning and teaching by new methods, the likely content of the long-awaited research statement from the Minister and the perennial problem of declining research infrastructure and its detrimental effects on super-computing and our libraries took up a great deal of time.

But it is not always in the serious content of meetings that some of the most interesting revelations occur. A theme which seemed to wend its way in and out of the meeting's discussions involved one member of the group saying to another one, "Who are you at the moment - Hitler or Stalin?". Or someone would ask as an afterthought "Are you currently Genghis Khan?". It turns out that one of our Group has conducted an informal survey of which historical figures staff members associate with Vice-Chancellors. Answers included the predictable Hitler, Stalin and Genghis Khan but also the Spice Girls (!) and Boadicea (clearly time for tossing out blue make-up). Another theme, doubtless inspired by recent comments by Lord Dearing, was centred around the perception that there is "a lot of talk at the moment about the idea of the University. This seems to come up about every ten years—it seems to be that time again". I was somewhat startled by this notion that a debate on the nature of the University comes around every ten years or so. It seems to me that it occurs frequently and takes one of two structured forms. There's the presentation that relies on Cardinal Newman's, "The idea of a University", refers to Von Humboldt and, if delivered in Australia, rapidly segues into the Dawkins reforms and proceeds to "West". The other form is the University novel in which we can enjoy the narratives of writers such as David Lodge which define the "absurdities" of life in a contemporary university.

Sitting in the airport lounge ready to catch the plane back from Perth, I was flipping through a copy of HQ magazine and was surprised to find a piece called "Ivory Tower Inc." which examines some of the "hot" topics current in universities—privatisation, public and private benefit, intellectual freedom and the historical inevitability of corporate ideologies—from the point of view of academics. There's even a throw away reference to Stalinism. It seems that the "real" world may see universities as detached and whingey (although groups like the Business Higher Education Round Table have been stressing the importance to the nation of education and research). But that doesn't deny the truth of the situation—many staff in universities are not happy with their lot, or with the state of the national university system. For Vice-Chancellors, and my Group of Eight colleagues in particular, the commitment and hard work necessary to manage difficult circumstances are not engendering a sense that work is its own reward.

MARY O'KANE

Convention thanks



In her Voice column (*Adelaidean* October 12, 1998) the Vice-Chancellor makes an accurate and generous appreciation of the planning and executing of our successful "Inaugural Australian Universities' International Alumni Convention" (IAUIAC) held in Adelaide 1-4 October 1998.

I would like to add three further tributes to those given by Mary.

First, to Ann Ewer and her staff at Staffords Conference Management. Secondly, to Geoffrey Sauer, the Secretary of our Steering Committee and a truly quintessential International Alumni Coordinator. Thirdly, to Mary O'Kane herself and for at least two reasons.

Within two months of our collective "A for Adelaide" crusade in Kuala Lumpur in October 1996 she had even persuaded the Australian Vice-Chancellors' Committee to endorse Adelaide as the 1998 Convention

Host City. Further she was courageous enough to guarantee executive the financial stability of our efforts thereby enabling us to be confidently imaginative in our planning. Thank you, Vice-Chancellor. (Incidentally, our profits are to be used for sending young Australians to the 2nd Convention in Kuching, Sarawak, 24-27 August, 2000.)

Harry Medlin
Alumni Envoy to SE Asia
Deputy Chairman, IAUIAC
Steering Committee

COMMENTARY

INDONESIA'S 'CRISTAL'

by
Professor Graeme Hugo
Geography

In early 1998 people in Jakarta showed increasing concern about 'Crismon' which was the inevitable acronym given to the Monetary Crisis (Crisis Monetar), then beginning to be felt throughout many of the countries of Asia. However, in recent months talk has turned to be of 'Cristal', Crisis Total or total crisis. This reflects the transition of Indonesia which little more than a year ago was being hailed by the World Bank and others as a success story. Average Gross Domestic Product had risen from US\$240 in 1976 to US\$707 in 1991 and broken the \$1000 barrier (\$1079) in 1997. The latest International Monetary Fund Projections (*Far Eastern Economic Review*, 29 October 1998, p. 87) are for the figure in 1998 to be \$380!!

Indonesia's crisis is unprecedented in the memory of the half of the population aged less than thirty in its suddenness, severity and pervasiveness. The crisis which began in mid-1997 but has gathered in intensity during 1998 has centred around a collapse in confidence, of domestic and foreign investment and in the exchange rate. However, it has been exacerbated by:

- The worst forest fires in more than a decade in 1997 which burnt between 0.3 and 4.5 million hectares affecting agriculture and tourism (due to the all pervasive haze which hung over the region for several months).
- The drought associated with El Niño leading to reductions in production of not only the staple food (rice) but also important cash crops such as palm oil, cocoa and coffee. The rice production in 1997 was 31.9 million tons—4% less than 1996 but it is estimated that in 1998 there will be a 10% shortfall in the rice needed to feed Indonesia. To purchase this on the world market will alone cost US\$1 billion—a significant cost in the current circumstances.
- A drastic decline in tourism which had brought in \$6.6 billion of foreign currency in 1997.
- Political uncertainty surrounding the March 1998 presidential election and the wider issue of the presidential succession, which developed into riots and the resignation of President Suharto on 21 May 1998.

The result has been an economic meltdown involving unemployment and underemployment, an increase in poverty, substantial reductions in purchasing power and levels of living. It would appear that the Indonesian economy will shrink by almost 20% in 1998 and zero growth is anticipated in 1999 compared with an average growth of over 5% per annum over the previous quarter century.

I was involved in the preparation of a report entitled *Employment Challenges of the Indonesian Economic Crisis* prepared by a team of Indonesian and international researchers and organised by the International Labour Organisation of the United Nations based in Jakarta. This report when released in September had a substantial impact because it indicated that the impact of the crisis was deeper and more substantial than most agencies, especially in government had suggested.

Some of the findings of the study are given below:

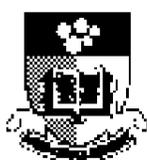
- Estimates of unemployment vary widely but we

estimate that around 5.4 million workers will be displaced by the economic crisis in 1998. However, because many cannot afford to remain unemployed for long, around half of them will be re-absorbed in

the informal sector.

- Female workers have been equally affected by the layoffs. Since they form a third of employment in the formal wage sector, they are likely to account for only 30% of total displacement in the formal sector. Nevertheless, many home workers and those involved in putting-out work, and who supply their products to formal sector enterprises, will stop working and earning piece-rate income. Though they may not be actively looking for alternative work, they form an important, though difficult to quantify, component of hidden unemployment.
- Due to the economic recession, the employment structure of the late 1990s will closely resemble that of the early 1990s in terms of sectors of work, urban-rural location and formal-informal status. The share of employment in industry and services will shrink by 2% from 19%-20% to 17%-18% of total employment between 1997 and 1998, reversing the sectoral employment trends of most of the 1990s. Agricultural and trade employment will correspondingly rise from respectively 41% to 43% and 20% to 22% of total employment.
- The employment impact of the crisis will be severe in cities and towns which account for most formal sector employment. The return of many displaced workers back to their home towns and villages will reverse the rural-urban shift in employment. Urban employment will decline from a peak of 34% in 1997 to 30% in 1998.
- The absorption of displaced workers in the informal sector will result in the decline of formal wage employment from 35% to 30% of total employment between 1997 and 1998.
- Most commentators stress the increase in underemployment in their analyses, yet the impact on underemployment is considerable. In Indonesia underemployment has been estimated before the crisis to be over 30% of the workforce. Most Indonesian workers cannot afford to be unemployed because they have no safety net of social security to fall back on so they are forced into low productivity jobs. Workers in the informal sector where the bulk of underemployment is are suffering greatly because:
 - there is less purchasing power to buy the goods and services they offer;
 - there is greater competition for jobs in the informal sector from people displaced from the formal sector.
- Most workers in the formal sector will suffer due to a substantial fall in incomes as a result of accelerated inflation, a reduction in hours of work and overtime, and less access to supplementary sources of income. The crisis will not only disadvantage low income wage workers in tradeable goods sectors but also those in government and other service sectors.

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The newspaper of The University of Adelaide

Local touch in Great War series

WHEN A HOLLYWOOD production company started work on a new documentary series about the First World War, they turned to an Adelaide historian for advice.

Professor Emeritus Trevor Wilson, Visiting Research Fellow with the University of Adelaide's Department of History, is one of the world's foremost experts on the war.

The author and co-author of five books, Professor Wilson acted as adviser and on-screen participant in the series 1914-1918, which began screening on ABC TV's "Big Picture" on Thursday, 5 November.

Originally made in Hollywood by US public television broadcaster KCET and titled *The Great War and the Shaping of the 20th Century*, it was adopted by the BBC and has now been widely shown on both sides of the Atlantic.

The series went on to win a number of awards, among them the Kodak Vision Award for Creativity, the Peabody Award, and most notably the Emmy Award for the year's best informational television program.

The BBC has converted the original eight-episode series into seven episodes, with commentary provided by the distinguished British actor Dame Judy Dench. It is this version that Australian audiences now have the chance to see on ABC television.

Nearly simultaneously, and timed roughly to coincide with the 80th anniversary of the end of World War One (11 November, 1918), the BBC has come up with a program in its prestigious Timewatch series, the *War Memories of David Lloyd George*. Professor Wilson was also asked to participate in that program.

The BBC photographed Professor Wilson (with the first British Prime Minister, Sir Robert Walpole, looking on) in the Cabinet room at 10 Downing Street, London (as pictured right).



Postgraduate Education in the 21st Century

DR DAVID LILJEGREN, Dean of Graduate Studies, will make the final in the series of presentations on the ACUE's 25th birthday Web site.

What will the PhD look like in the 21st century? Will alternative forms of doctoral education, such as Professional Doctorates, erode the stature of the traditional PhD? Or will extensive modification of the PhD, especially by the inclusion of more coursework, compromise its quality? How much independent research should there be in a postgraduate degree to qualify it as a 'Doctorate'?

Visit the site at <<http://www.acue.adelaide.edu.au/25th/acue.html>> and join in the discussion with David Liljegen on the future of postgraduate education.

And don't forget the 25th Birthday Celebration. Come to the party! Help us celebrate 25 years of service to the University. All welcome! 3.30 for 4.00pm, Friday 13 November, ACUE, 6th Floor, Hughes Building.

Please RSVP by 9 November to Lynne Bradshaw (ext 35771) or <lbradshaw@acue.adelaide.edu.au>.

Facing the music by phone

From Page 1

Now that computer disk space is becoming ever cheaper, and now that students of classical music too are becoming interested in how this system can assist their development, Bruce Hancock is looking at expanding storage capacity further, which, he claims, can be extended virtually indefinitely. He also has plans to upgrade the 24 hour phone line access from one to two lines to cope with increasing demand.

According to the system log of calls, the rate of student usage has grown steadily over the last two years. Appropriately in keeping with the

nocturnal lifestyle of jazz musicians, many calls are made well after the midnight hour.

While large numbers of students now use TAAS to monitor and self-assess their performances, the system has also been embraced by teaching staff who use it to post recordings for students to analyse and notate as course-work exercises. Before the system was installed, students had to individually obtain copies of these recordings on cassette.

Staff at the Barr Smith Library too are looking at using this technology to provide recordings of lectures for absentees who currently have to

obtain cassette tape copies on loan from the library. By pressing a few buttons, students will in future be able to hear any lectures they missed at home by phone at a time of their choosing.

Another dimension of the service currently being explored is the possibility of providing playback via narrowcast FM stereo radio. Using this technology, students will phone in their request list and listen to the desired recordings on FM radio anywhere within a ten kilometre radius of the University transmitter.

—Tony Cox

Research Performance Indicators Gremlins

IN MY 14 September Voice column, I reported on a publication by the then DEETYA, of a study by Paul Burke and Linda Butler of research performance measures for all Australian universities.

Our Research Branch had adjusted the Burke and Butler results for the size of universities, ie divided the "raw" data by the number of staff at Lecturer B level and above. While we reported that Adelaide was at the top of the list in all categories except for 1995 research expenditure, in fact, there had been a mistake. On adjusted figures, it would seem that while Adelaide does well, the "winners" (with ANU excluded because of the Institute of

Advanced Studies complication) are the University of Western Australia for Australian Postgraduate Awards, Research Quantum funding and ISI publications, and the University of Queensland for RQ publications. It is pleasing to note that, with ANU excluded, Adelaide heads the list on ISI citations.

While studying this issue we found mistakes in the original Burke and Butler figures which we tracked back to "gremlins" in the original data provided to Burke and Butler. DEETYA has now given us the correct data. If you would like more information about this please contact Rod Jewell, Research Branch, ext 33340.

MARY O'KANE

NEWS IN BRIEF

NOVO NORDISK AWARD

The Australasian Menopause Society has presented its most senior award to Adelaide GP Dr Alice MacLennan and Associate Professor Alastair MacLennan of the University's Department of Obstetrics & Gynaecology (Women's and Children's Hospital).

The Novo Nordisk award is for distinguished service and significant new contributions to women's health, particularly in the field of menopause research and education.

Professor MacLennan and Dr MacLennan have an international reputation for their clinical and epidemiological research on the menopause, and particularly for their videos in this area. These are produced through the WCH and circulate in many languages around the world.

Professor MacLennan is also Editor-in-Chief of the Journal of the International Menopause Society, and Dr Alice MacLennan is a board member of Osteoporosis Australia.

The Novo Nordisk award has been presented only twice before in the ten year history of the Australasian Menopause Society, which has about 1000 members.

ROYAL SOCIETY PRESIDENT

Professor Martin Williams (Geographical and Environmental Studies) is the newly elected President of the Royal Society of South Australia. Known internationally for his work on environmental change in drylands, Professor Williams was recently awarded the Doctor of Science degree from the University of Cambridge, and has just completed a three year term as Presiding Officer of the Natural Resources Council of South Australia.

The Royal Society, which predates the University of Adelaide and played a leading role in the creation of the South Australian Museum, is the oldest scientific society in South Australia, and has long acted as a catalyst for science communication in the State.

At its latest meeting, the Society awarded the Verco Medal to Dr Wolfgang Preiss for his outstanding work on South Australian geology. Dr Preiss is a graduate of the University's Geology and Geophysics Department, and was taught by three former Verco Medallists, including the late Sir Douglas Mawson.

AMERICAN HONOUR

ZOOLOGY'S Associate Professor Mike Tyler has been made a Fellow of the American Association for the Advancement of Science (AAAS).

Each year the Association elects members whose "efforts on behalf of the advancement of science or its applications are scientifically or socially distinguished".

Associate Professor Tyler has been recognised by the Association for his research into the biology of frogs and for service to biodiversity issues.

The honour of being elected a Fellow of the AAAS began in 1874 and is acknowledged with a certificate and a rosette.

Associate Professor Tyler will officially receive the honour in Anaheim, California early next year.

Cultural exchange enriches learning experience

ABORIGINAL SONG and dance studies at the University of Adelaide have been greatly enriched by a cultural exchange with people from the far north-west of South Australia.

Students from the Centre for Aboriginal Studies in Music (CASM) at Wilto Yerlo were again this year invited to take part in traditional song and dance ceremonies (called "inma") at Fregon in the Pitjantjatjara Lands.

As part of the CASM field trip, which is an annual feature of the CASM program, the students were able to see first-hand the kinds of ceremonies they have been studying here in Adelaide, as well as performing and interacting with the local people.

They played their part in helping to promote and foster Aboriginal culture by conducting workshops in schools and performing for a broadcast on remote area radio station 5NPY at Umuwa.

This invaluable cultural exchange was recently followed by a one-week visit to Adelaide by four elders from Fregon: Inawinytji Williamson, Kunmanara Ken, Kunitjtija Brown and Naomi Kanytjurny.

They brought with them a wealth of experience which they were able to share with students and lecturers.

Video recordings made during the CASM students' visit to Fregon are also being used in the teaching program here in Adelaide. They show various performances of song and

dance, including the emu, witchetty grub, bush onion, honey ant and bushfire Dreamings, and are used to enhance the teaching of traditional knowledge by elders from the Lands.

"This kind of exchange is very important for everyone who takes part," said CASM coordinator Mr Jardine Kiwat.

"We have a longstanding commitment to the teaching of traditional culture here at CASM, which harks back to the early 1970s. It's projects such as these that enable skills to be passed on to younger generations and generates excitement among Aboriginal people.

"For the students this kind of exchange helps put their study in a traditional context, and we find this contextualised learning extremely valuable," he said.

Academic programs coordinator Ms Jenny Newsome said the feedback from the students had been overwhelmingly positive.

"The kinds of things we're hearing from the students is that this is a once-in-a-lifetime experience.

"The students value the fact that they can develop relationships with the traditional 'owners' of the inma, experience aspects of their lifestyle, such as looking for bush tucker, and come to an understanding about their contemporary lifestyles in the Lands."

The visiting lecturers from the Pitjantjatjara Lands agreed that the exchange program was important for



Watching a video recording of traditional performances (from left): CASM coordinator Jardine Kiwat and lecturer Eddie Peters, academic programs coordinator Jenny Newsome, and visiting lecturers Naomi Kanytjurny, Kunmanara Ken, Kunitjtija Brown and Inawinytji Williamson.

their people and that through others "looking, listening, learning, repeating and understanding", their culture could be perpetuated and passed on to future generations.

They also said it was vital to bring different communities and people together to share these

experiences of traditional song, dance and language.

Students, staff and elders from the Lands will be performing some of the inma at CASM's End-of-Year Showcase on 28 November at the Lion Arts Centre.

—David Ellis

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Another South Australian victory!

PHD STUDENTS from the Department of Biochemistry have reinforced their department's strong reputation for excellence in research.

They took out six of the eleven prizes available to the approximately 150 students who presented posters at recent conferences of the Australian Society for Biochemistry & Molecular Biology, and the Australian & New Zealand Society for Cell & Developmental Biology in Adelaide. The posters were judged by experts from interstate and overseas.

From left to right: Melinda Lucic, Gavin Chapman, Sharron Pursglove, Tania Dell'Oso, Michael Lees and Sarawut Jitrapkdee. [Temporarily absent overseas, Francine Carrick.] Photo courtesy of Dr John Wallace, Biochemistry.

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Cyborgs, Cyberbodies, and Technoculture

CYBERFEMINIST THEORY, queer theory and psychoanalytic theory—these are the tools used by University of Adelaide researcher Dr Jyanni Steffensen to investigate the ways in which female sexuality, desire and gender are constructed in technoculture.

Dr Steffensen aims to develop new feminist understandings of the links between technology and constructions of femininity as well as analyse gender and sexuality in technoculture—including science fiction, cyberpunk cinema, experimental literature, artificial intelligence and cybersex.

Her research project, "Queer Machines - Constructions of the Subject in Techno-Culture", is funded by a three year ARC postdoctoral research grant. She will develop a book and an Internet research site for ongoing networking with other cybertheorists and artists.

While Dr Steffensen, who works in the Department of Social Inquiry, concedes that psychoanalytic research is not always taken seriously in broader academia, she says that it is "absolutely fascinating as well as intellectually taxing ploughing through the history of the complex way in which human beings organise their sexualities".

Plus, she adds, she finds it fun.

Psychoanalytic theory studies human sexuality that is not grounded in biology or genetics, looking at fantasy, culture and linguistics. Queer theory originates in gay and lesbian academic studies and looks at the complications of sexuality and gender beyond typically accepted and static categories.

Dr Steffensen is particularly fascinated by what she terms 'female masculinity' in literature, cinema and the work of a

group of cyberfeminist artists called VNS Matrix who have designed a computer game about a group of cybergirls called 'DNA sluts' who cruise around cyberspace having various adventures.

The game led Dr Steffensen to an interest in the figure of the cyborg in science fiction cinema. Cyborgs refer to figures which are part human and part technological.

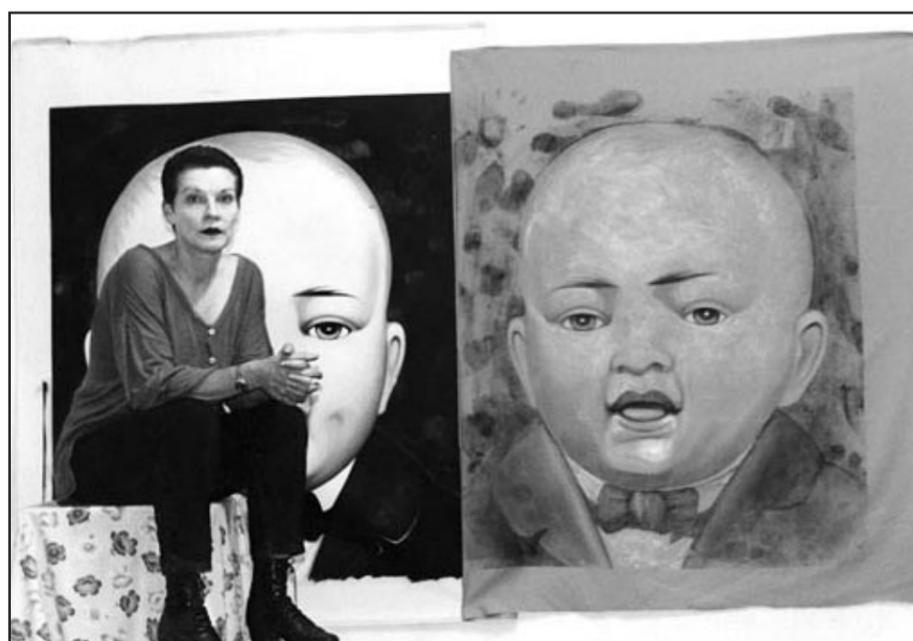
"Cyborgs cross the boundaries between what we understand to be the biological human body and its interface with technology," she says. "Even wearing hearing aids and glasses and all those techno things used to extend our body sort of fits into a cyborg idea."

She is researching the history of cyborgs in cinema, starting with 'Maria', the evil female robot in Fritz Lang's *Metropolis* and the female 'replicants' in *Bladerunner*.

Dr Steffensen is also looking at constructions of femininity in computer programs such as 'Julia', a well-known artificial intelligence character—or 'softbot'—programmed to have conversations with real people. These programs aim to convince people that they are conversing with a 'real' human—a challenge known as the 'Turing test'.

The idea for the programs germinated with a philosophical question posed by the computer's inventor Alan Turing, who asked: "Can machines think?". Dr Steffensen says the question is grounded in the anxiety that intelligent machines could make human beings unnecessary—an anxiety she says represents the fear and desire we have towards technology.

She is contrasting 'Julia' who was programmed by a man, with



Dr Jyanni Steffensen—understanding technoculture. Painting: Annette Bezor. Photo: Annette Bezor.

'GashGirl', created by Francesca da Rimini in LambdaMOO (an internet virtual community), to analyse and contrast the ways in which male and female programmers fantasise what a female softbot would say.

"One male user on the Internet actually tried to date 'Julia' for three days before he realised that he was trying to date a computer program. I've seen the conversations that they had because they were all recorded by one of the researchers at the Massachusetts Institute of Technology, who is interested in the ways in which people can change sexualities and gender and play anyone on the Internet.

"When a program cannot compute a

word or a concept that the questioner has said, it will churn through a whole lot of data and come up with anything, which sometimes sounds quite irrational. Every time this happened to 'Julia', she was programmed to finish her response with 'I have PMT today'.

"So in other words, women are irrational because they have PMT and this male user felt that these responses constituted a reasonable version of a woman."

Dr Steffensen has a background in visual arts and has lectured in sexuality, cultural studies and film theory. She is now researching full-time on the ARC fellowship.

—Rebekah Washington

COMMENTARY CONT...

- The informal sector is suffering from a drastic contraction in the demand for its products and services from formal sector enterprises and workers. The main outcome of the crisis will be still less work and lower earnings of all workers in this overcrowded sector.
- Many Indonesian migrant workers in Malaysia and South Korea will be displaced from their current jobs due to their own economic slowdown, particularly in the construction sector. Though many of them will seek alternative work, the impact of a fall in their remittances will affect their regions of origin, which are selective villages in Sumatra, Java and Nusa Tenggara.

With respect to poverty and inequality, estimates of poverty incidence vary according to the choice of poverty lines. The results of the present study can be summarised as follows:

- Due to stagnant wages and incomes in nominal terms, on one hand, and high inflation on the other, around 75 million people, or 37% of the population, will fall below the poverty line by mid-1998. The corresponding figures by the end of 1998 will be around 100 million people, or 48% of the population. This is a three to four-fold increase from the officially estimated 11% poverty incidence in 1998, and comparable to levels prevailing in the mid-1970s. In the absence of improvements in household income, further price rises in 1999 will push

some 140 million people, or 66% of the population, below the poverty line at poverty levels not seen since the 1960s.

- The incidence of poverty in rural areas, at 53%, will be higher than that in urban areas, at 39% by the end of 1998. Also, over 70% of poor people will live in rural areas.
- Based on alternative, internationally comparable poverty lines of US\$1.0 and US\$0.80 in urban and rural areas, 57% of the population still lived below the poverty line even before the crisis in 1996, or more than five times the official estimates of CBS. The latter's estimates were based on a poverty line of US\$0.45 per capita per day in 1996. These alternative estimates call into question the government's main approach of focussing on pockets of poverty in so-called least developed villages. Clearly, when poverty is as widespread as indicated by internationally comparable poverty lines, poverty alleviation efforts should be directed at the majority of the population.
- While expenditure distribution worsened in the 1990s as measured by the gini coefficient (0.32, 0.34 and 0.36 in 1990, 1993 and 1996), inequality measured by wage rate declined between female and male workers, between urban and rural areas, and between less and better educated workers. This indicates a widening gap between those with access to non-labour

income and those relying only on their labour in the 1990s prior to the crisis.

- The crisis will hurt almost everybody in the country, those with incomes from labour only and those with asset income, those living in urban and rural areas, and those who are educated and those who are not educated. Income and expenditure inequality may thus not worsen in 1998. In addition, the structural reform and liberalisation measures taken to resolve the current economic crisis will further promote agricultural growth and rural development,

and may have a favourable impact on income distribution.

The report goes on to outline a number of short term and medium term strategies for the government to consider in the light of the fact that Indonesia may enter the 21st century with 100 million people, half its population below the poverty line. These macro statistics can hide the suffering which many in Indonesia are experiencing. In the immediate short term there is concern in particular areas because there is a lack of food due to the effects of failed crops. Organisation of the distribution of food, therefore, is a crucial immediate need.

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Adelaide success story shares his vision

AN ADELAIDE ICON recently took time out of his busy schedule to share his invaluable business experience with students, staff and others at the University of Adelaide's Thebarton campus.

Mr Vili Milisits, owner and manager of Vili's bakeries, was the guest speaker at a seminar held as part of the Graduate Diploma in Business Enterprise course.

More than 50 people attended the seminar, which focused on entrepreneurship and innovation. Those who attended included Thebarton's graduate entrepreneurs, Graduate Diploma students, Business Enterprise Centre managers, Engineering and Commerce students, lecturers, high school students and their teachers.

Vili, as he is simply known, is a true South Australian success story. He was the youngest child of an immigrant family who came to

Australia from Hungary in 1959.

Today, Vili's products are sold throughout Australia and exported to many parts of the world. His Halal pies have even been approved for consumption in Islamic countries throughout Asia and the Middle East—a first for an Australian bakery.

"Vili epitomises much of what is covered in the books about what it means to be entrepreneurial and innovative," said course coordinator Ms Joanne Pimlott.

"He is extremely confident and positive, always looks for opportunities in the marketplace, and seeks to change, improve and add to his business and range of products."

Vili was invited to speak about his business experience, focusing particularly on the ways in which his commitment to innovation and his "hands on" approach to management

have enabled his business to achieve success in Adelaide, interstate and overseas.

"Vili's presentation was memorable, inspiring, timely and relevant," Ms Pimlott said.

"It's difficult to do justice to all that he said, but the following points are perhaps worth noting: have a vision, have a plan for growth and stay focused, invest in and run your business for the future, aim high, be prepared to work hard and to 'go the distance'.

"It helps if you are passionate about what you do, take competition and any difficulties as a challenge to be met face on and overcome, enjoy being competitive (and at times aggressive!) and have a go.

"There's nothing you can't achieve if you have the right attitude and you work at it—that really sums up Vili's philosophy," Ms Pimlott said, "and it was an important message for our students."



Mr Vili Milisits (far left) with students, entrepreneurs and lecturers at Thebarton. Photo courtesy of Joanne Pimlott.

Dr Andy Thomas a surprise Ecobiz visitor

NASA ASTRONAUT and University of Adelaide alumni Dr Andrew Thomas recently visited Luminis business associates at Ecobiz 98, the Business and Environment Expo.

The visit came as a surprise to the Luminis associates, who included ATRAD, Dadanco Pty Ltd, Diverse Travel Australia, EngTest, Fuel & Combustion Technology (FCT) International, GISCA, Geographical & Environmental Studies, Mapping & Beyond, and Papyrus Australia.

Each of the associates had the opportunity to meet with Dr Thomas, explain the nature of their enterprises and discuss their commercial opportunities.

Dr Thomas, who was visiting his home town of Adelaide while on a series of

promotional engagements, was pleased to take a break from talking about his own exploits and instead hear about the excellent work being done by Luminis associates.

"Andy was happy to support the up-and-coming entrepreneurs that evolve from intellectual property within the University," said a long-time friend and colleague of Dr Thomas, Professor Sam Luxton from the Department of Mechanical Engineering.

FCT was represented by engineer Brad Wilson, who found that Dr Thomas was deeply interested in FCT's Gyro Therm technology, "because of his earlier involvement with the university's Department of Mechanical Engineering, where it was developed".

In discussions with Mr Ramy Azer

from Papyrus Australia, Dr Thomas thought that "if this works, it will have a very positive effect on the environment". Papyrus Australia is developing environmentally friendly paper, based on the principles of paper making in Ancient Egypt where there was no need for raw materials to be pulped.

Dr Thomas was also shown the ATRAD technology, an RF signalling system used to measure upper atmosphere weather conditions and already in use at several rocket launching facilities in the northern hemisphere. He explained that there was a similar system in use at Cape Kennedy but it was very costly in comparison to ATRAD's technology.

Following the exhibition, Luminis staff and board members hosted Dr Thomas to a cocktail party in their board room

where a group of invited guests had an opportunity to meet him.

In thanking Dr Thomas for his support of Luminis, managing director Mr Peter Hart quoted two famous lines spoken by NASA astronauts:

"One small step for man, one giant leap for mankind"

—Neil Armstrong, 1969

"All I want is a hot shower and a glass of South Australian red"

—Andy Thomas, 1998

Dr Thomas's visit to the Ecobiz exhibition was organised by Professor Luxton and Luminis business development manager Mr Paul Szuster.

—Paul Szuster
—David Ellis

Advertisement



Put yourself in the spotlight
HOST A CONFERENCE

Hosting a conference in Adelaide can promote your research capabilities and expertise to industry, government and the community. At the same time, staging a seminar can build your professional profile in national and international circles. However if you have no experience the Adelaide Convention and Tourism Authority can help with free assistance to identify, bid for, secure and organise an academic conference in Adelaide. ACTA can assist with:

- Preparation and presentation of bid submissions to secure conferences
- Access to financial assistance schemes
- Full colour brochures that can be overprinted with conference details
- Brochures for delegate satchels
- Advice on conference facilities, venues and catering

So if you are involved in a specialised field of research or study and wish to grab the attention of the world, contact Anne-Marie Quinn at ACTA on 8212 4794.



ADLAIDE
Convention & Tourism Authority
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Pictured at the official opening of the Progress in Psychology Clinic at the Thebarton Campus are, left to right: Head of Psychology Dr Chris Cooper, CEO of the Department for Human Services, Ms Christine Charles, Director of the Clinic, Dr Don Pritchard, the Vice-Chancellor, Professor Mary O'Kane, and the Director of Industry Liaison, Mr Rex Hunter. The Clinic, jointly funded by the SA Health Commission and the University of Adelaide, will specialise in the diagnosis and treatment of anxiety disorders in adults, adolescents and children.

A geography discipline which became a business

IAN OVERTON is a University of Adelaide postgraduate student with a keen interest in the environmental health of our country which not only carries over into his doctoral studies on geographical information systems (GIS) but also emerges in the form of the business he founded to conduct such studies on a commercial basis.

Mapping and Beyond, set up in late 1996, provides consultancy services that enable land users and managers to make informed decisions about management practices using GIS techniques to capture, analyse and display spatial (map-based) information on computer.

Mapping and Beyond has since carried out studies for a number of government and private groups including the Department of Primary Industries and Resources, SA Water, local government, mining companies, Landcare groups and individual farmers. Its burgeoning client base has grown virtually on the strength of word-of-mouth commendations alone.

One of the prime reasons Overton set up the business was to support his way through doctoral studies. It now also provides work for five other employees; two full-time and three part-time. Most of these are students or former students from the University of Adelaide, some of whom like Overton are continuing with post-graduate studies in this field.

Luminis Pty Ltd, the Commercial Development Company of the University of Adelaide, played a key role in getting the venture started by providing business advice and

financial and accounting services. The business grew out of a graduate support scheme operated by the University of Adelaide's Thebarton Commerce and Research Precinct through the Office of Industry Liaison.

Typical of the nature and scale of the projects Overton works on is the study commissioned by the Murray Darling Basin Commission on water flow management options in the River Murray with a view to improving the health of native riverside vegetation.

This problem dates back to the early 1900s when locks, weirs and dams were first constructed along the length of the Murray Darling system in order to keep water levels constant for river traffic and to ensure a steady supply of water for irrigation.

The resulting reduction in flooding frequency in some parts and permanent inundation in others has caused the death of many kinds of vegetation and associated animal life-forms which all depend on a regular cycle of winter flood surges and summer dryness. Foremost among the casualties are huge stands of ancient river red gums and over 60% of black box forests which have died from drowning or dryness.

Without healthy river forests along the waterways to keep salty groundwater levels down, the entire ecosystem and productive base of these lands is under threat, as is the river water quality too.

Now there is general agreement nationally that the river ecosystems need to flood periodically to sustain themselves, the question Overton has been asked to examine is whether this



Ian Overton—from studies to business. Photo courtesy of Ian Overton.

is best achieved by flooding at high levels for a short time, or, using the same volume of water, by flooding at a lower level over a longer period.

Using a GIS approach, he firstly maps the area for a range of factors including ground water depth and salinity, soil hydraulic properties and flooding frequency. The GIS program then creates a predictive model which will enable decisions to be made about water flow management for the river system as a whole. To test for accuracy, the model is calibrated

against field data and satellite imagery of vegetation.

Along with this kind of GIS consultancy work undertaken in SA and interstate, Mapping and Beyond also provides GIS training workshops and participates in university lecturing. In addition, it has developed a range of software products to increase the capabilities of existing GIS software which are marketed internationally.

—Tony Cox

Communicating science

ZOOLOGY graduate Lesley Rogers, now Professor of Neuroscience and Animal Behaviour in the School of Biological Sciences at the University of New England, was back in Adelaide last month to deliver a Physiology Department seminar on the influence of early life experiences and hormones on brain development.

After gaining first class honours in Zoology at Adelaide University, Professor Rogers left to study at Harvard University and then to work in Tufft's New England Medical Centre. She then went to Sussex, where she gained a PhD and in 1987 was awarded a Doctor of Science—becoming the first woman to do so at the University of Sussex. Following work at Monash University, she proceeded to the University of New England, where she gained her present appointment.

Professor Rogers is investigating lateralisation of the brain—differences between the left and right hemispheres in a number of species (birds, primates, and amphibia).

"It is now known that lateralisation is not specific to humans, and that animal models are a useful area to study how it develops and to tell us something about the interaction between brain neurochemistry and experience in early life," Professor Rogers said.

She has shown that light stimulation before hatching is essential for lateralisation of visual function in birds, which happens because at the time when visual connections to the forebrain are forming (three days before hatching in a chick) the embryo is oriented inside the egg in such a way that it occludes its left eye with its body and the right eye only can be stimulated by light (light can enter the egg through the shell).

"That's my best finding," she said.

Professor Rogers has further shown that chicks hatched from eggs incubated in the dark have no visual lateralisation.

"This research is telling us something about factors that influence development of the brain. We need to know more about this if we are going to be able to repair damaged nerve cells."

"I have a strong interest in communicating science to a wider audience, and really enjoy it," Professor Rogers said.

She has written *Minds of their Own—thinking and awareness in animals* (Allen and Unwin), which is being translated into Japanese and republished in the USA by West View. *Not only Roars and Rituals: Communication in Animals*, written with Professor Gisela Kaplan, will be released this month.

—Alastair Kimber (BSc 1969)

Elder Conservatorium Collection

ALL STAFF, students and alumni are invited to support the Elder Conservatorium of Music Centenary by purchasing one of the following:

A limited number of handcrafted, gold-plated commemorative spoons, manufactured from 1898 pennies and specially engraved for the Centenary. They can be customised with additional engraving to your own requirements. They would make a beautiful Christmas gift and are available to view at the Elder Conservatorium office. Cost: \$85 each.

A Centenary CD — CON FUSION —

featuring staff, students and ensembles of the Elder Conservatorium. This CD will appeal to classical, jazz and big band enthusiasts alike. There are performances by the Elder Conservatorium Wind Ensemble, Big Band, Baroque Ensemble, Percussionists and more.

Excellent value—a listening pleasure—at \$20 each, and again an ideal Christmas present. Available for purchase at the Elder Conservatorium office. This CD is currently being featured on the University's telephone 'hold' system.

Enquiries: 8303 5995.

ANNUAL GENERAL MEETING

The Fourteenth Annual General Meeting of the University of Adelaide Alumni Association will be held on Thursday 26 November 1998 in Napier Lecture Theatre 102 at 7.30pm.

AGENDA

- *1. MINUTES: Minutes of the 13th Annual General Meeting held on 24 July 1997
2. BUSINESS ARISING FROM THE MINUTES
- *3. REPORT OF THE TRUSTEES FOR THE CALENDAR YEAR 1997
- *4. FINANCIAL STATEMENTS: For the year ending 31 December 1997.
5. REPORTS
 - 5.1 Review of the Alumni Association
 - 5.2 The Alumni Association and the Senate
6. MATTERS REFERRED TO THE ASSOCIATION
7. CONSTITUTIONAL CHANGES
8. NOTICES OF MOTION

9. ANY OTHER BUSINESS

- 9.1 Address by the retiring and Inaugural Chair of the University of Adelaide Alumni Association, Dr EH Medlin : NOTE this address will occur prior to the formal business of the meeting.

- 9.2 Position of Chair of the Association

GEOFFREY SAUER
Executive Secretary

*Copies of the papers for these agenda items are available on request from the Alumni Office tel 8303 5800; fax 8303 5808; e-mail gsauer@registry.adelaide.edu.au.

Apologies for the meeting may be recorded via any of the above numbers or E-mail. Members of the Association are invited to meet at 6.00pm in the Equinox Cafe in the Adelaide University Union for dinner before the meeting—please advise Ms Julie Vozzo on 8303 5800 by not later than Wednesday 25 November 1998 if you wish to attend the dinner.

PERFORMING ARTS

ON CAMPUS

Music conferences complement Adelaide 'first'

IN NOVEMBER and December 1998 Adelaide hosts one of the most important artistic 'firsts' in Australian musical history—the staging of Richard Wagner's four-opera, seventeen-hour musical masterpiece *The Ring of the Nibelung* by the State Opera of South Australia at the Adelaide Festival Centre.

It was the inspiration of late Adelaide composer Malcolm Fox to organise a music symposium for the Adelaide debut of *The Ring*, and he was instrumental in teaming up members of two Adelaide music societies, the Richard Wagner Society of SA and the Musicological Society of Australia, SA Chapter, to address the task.

The result of two years of planning is the International Wagner Symposium, to be held from 25 to 27 November in Lecture Theatre 102 of the Napier

Building at the University of Adelaide. Subtitled "Wagner at the Millennium," the Symposium focuses on current and emerging directions in Wagner research and questions relating to the production and reception of Wagner's works at the close of the millennium. It features four internationally recognised Wagner scholars as keynote speakers, 15 further papers and a round-table discussion at which both conductor and senior members of the Adelaide Ring production team will participate, along with the keynote speakers.

A further highlight will be a University Foundation Lecture by Professor John Deathridge, King Edward VII Professor of Music at King's College, London, dealing with the controversial issue of Hitler and Wagner's music. The Symposium will

give all those interested in Wagner's music an opportunity to delve deeper into the artistic world of Richard Wagner and *The Ring*.

The Symposium will be followed by the 21st National Conference of the Musicological Society of Australia in the Hartley Concert Room from 27 to 29 November.

Held each year in a different Australian city, the venue chosen for the Conference this year was not surprisingly Adelaide—due to the Symposium and *The Ring*.

Subtitled "Crossing Boundaries," the National Conference will showcase new directions in music research in Australia, featuring sessions on Aboriginal music, feminism and music, music education, and performance practice, among other things.

Over 40 Australian music researchers will participate, presenting a broad range of interests and approaches. The two keynote speakers will be Eva Rieger of the University of Bremen, Germany's foremost feminist music scholar, and Stephen Wild, Research Fellow at the Australian Institute for Aboriginal and Torres Strait Islander Studies in Canberra.

Wagner fans, opera buffs, music lovers, as well as those interested in associated fields such as film, drama, gender studies, music education, women's and Aboriginal studies are welcome to attend either or both Symposium and Conference. Further information is available from Mary Rose Collom, on (08) 8267 5648, or John A. Phillips, on (08) 8395 5332.

—John A. Phillips



Lovers of dance shouldn't miss the University's third year graduating students in *Last Dance Part II* at the Madley Dance Space (next to Scott Theatre, Kintore Avenue) from 12-15 November. It will be the final student presentation for the Dance Department under director Simi Roche, pictured above. As well as the ten dancers, guest lecturers Jennifer Barry Knox, Csaba Buday and Tuula Roppola will be presenting works. Tickets \$10/\$8. Bookings and information: 8303 3811.

Elijah returns after a thirty year absence

BASS-BARITONE Phillip Langshaw, Professor of Voice at the Cologne Academy of Music, is to sing the title role in the Adelaide Harmony Choir's fully staged production of Mendelssohn's oratorio *Elijah* later this month. The production will take place in Union Hall on 20, 22, 25 and 28 November.

It will be the first time in thirty years that a fully staged production of the oratorio has been seen in Adelaide.

Other roles will be sung by Jillian Chatterton, Guila Tiver, Catherine Campbell, Simon O'Loughlin and Kenneth Marshall, together with artists from the George Street Company.

Phillip Langshaw is a respected interpreter of the oratorio repertoire throughout Europe and a regular performer of the role of Elijah. Prior to the Adelaide season, he sang it for five concerts in Israel with the National Kibbutz Orchestra.

While in Adelaide he will give a Masterclass at the University on 6 November at 11am, and a lunchhour concert in Elder Hall on Friday 13 November at 1.10pm.

Elijah is the Old Testament story of the Prophet Elijah's struggle to convert the followers of Baal. It was first performed in Birmingham (UK) in 1846, conducted by the composer.

Tickets are \$35, \$25 (concessions \$25/\$20) and may be purchased through BASS.

ACCOMMODATION

AVAILABLE: Charming 2 br villa avail Feb - July (possibly longer), 15 mins to city, lounge, dining, pergola, lovely garden, carport, polished floorboards. \$200 pw. Ph/fax 8357 7119.

HACKNEY: Mature professional male non-smoker to share comfortable inner-city house with same. Short term 6-8 mths. \$95 pw. Ph 8362 2136.

HOLIDAY HOUSE: Second Valley - avail for weekly rental during Christmas holidays, close to beach, sea views, modern comfortable house, sleeps 5. Ph Dianne 8379 6510.

WANTED: 2 or 3 br unit/house for approx 6 weeks immediately. Close

to city. Ph Gary 8379 8485.

WANTED: House sitting or negotiable rental for 6-12 mths at the end of Jan 99. Care for pets, garden, etc. Ph 8333 2590 or email: <rmibus@waite.edu.au>.

FOR SALE

BICYCLE: Mens 12 speed, \$100 ono. Ph Raelene 8333 2590 or email: <rmibus@waite.adelaide.edu.au>.

BUNKBEDS: Red, tubular style with ladder, can separate into single beds, mattresses included. \$90. Ph Ann 8431 2207 (ah).

CAMIRA: 1984, auto, towbar, very clean & reliable, regularly serviced, lots of new parts, exc cond throughout. UXR 032. \$1,600 ono. Ph 8371 4286.

ADELAIDEAN CLASSIFIED

CHAMPAGNE: Fund-raising \$4.50 per bottle, \$54 dozen, unlabelled Manager's Blend Classic Australian Brut/ Cuvés made under contract to Skye Cellars by Seaview. Contact Anne Richards, email: <arichards@zoology.adelaide.edu.au> or 8345 3027 (ah). Delivery 19 November.

MAGNA: 1996, 5 speed manual, air, power steer, keyless entry with anti-theft, other extras, exc cond. VXA 496. \$17,000. Ph Noel 8325 1671.

NOTEBOOK COMPUTER: Acernote 350, 586, 100Mhz, 8 MB > 32 MB, 500 HDD, FDD, 10.4" TFT colour

screen, glidepad, mouse, PCMCIA & IR ports, lightweight at 2.3kg, carry bag, hardly used. \$1,100. Ph 0416 318 184 or email: <birdy_22@hotmail.com>

PROJECTOR: Proxima 2810 LCD desktop projector, 3 years old, 640x480 VGA, PC, video and audio inputs, weighs approx 10kg, remote control, Cyclops interactive pointer system, carry case, cables for connection to PC. \$2,000 ono. Ph Nick Robinson 8303 5533.

SCANNER: Apple Colour OneScanner SCSI flatbed for Mac, \$250 ono. Ph

Patrick 8431 1594 (after 7pm) or email: <pkee@camtech.net.au>.

TOYOTA COROLLA: 1974, very reliable, XXXXX, \$650. Ph Raelene 8333 2590 or email: <rmibus@waite.adelaide.edu.au>.

TENDER

TENDER: Ford Mondeo sedan 1997, auto, 40,150km, silver, air cond, driver's airbag, floor mats, mudflaps, tow pack, VVX 464. Inspection 11 Nov, 10am-11am, contact Bridget 8303 4241. Tenders in a sealed envelope marked Tender No W300 to the Purchasing Manager, Waite Campus by Monday 16 November 1998.

TENDER: Toyota Hilux 4x2 double cab utility, 1995,

40,000km, petrol, white, air cond, mudflaps, tow pack, VUB 686. Inspection 11 November, 2-4pm, ph Geoff Clarke 8303 7304. Tenders in a sealed envelope marked Tender No W299 to the Purchasing Manager, Waite Campus by 17 November 1998.

WANTED

LEATHER LOUNGE: Suite and/or reclining chairs. Ph 8377 1402.

MISCELLANEOUS

CHILD CARE: Reliable, refs avail, own transport. Ph Rebecca 8262 5134.

WORD PROCESSING: Fast & accurate, 15 years experience as a temp. Ph Trisha 8331 1531.

Bulletin Board

NOVEMBER 9, 1998

THE UNIVERSITY OF ADELAIDE

PAGE 1

ACTA University Project offers specialist conference support

The Adelaide Convention & Tourism Authority (ACTA) is a non-profit organisation holding the responsibility for expanding the State's convention sector.

The opportunities within the State's three universities to develop this market are extensive, with many academics involved in state, national and international conferences.



ACTA's University Project specialises in assisting universities bid to bring their associated conferences to Adelaide. Lyndal Sterenberg (pictured), who joined ACTA in August as Business

Development Manager Universities, heads the Project and is assisted by Peter Duldig.

The Project has now been running for three years and response has been extremely encouraging. The University of Adelaide has seen great success with ACTA, generating potential conference business to the state in excess of \$9m during the 1998 financial year. Conferences bid for have included areas of international business, mathematics, physics, accounting, medicine, and environmental protection.

ACTA's services are free of charge and can assist university staff and academics through:

- the preparation and presentation of your bid submission
- programming and planning advice

- assistance with promotions to ensure maximum attendance at your conference
- product referrals, contacts and advice for conference venues, services and accommodation
- a professionally produced video tape presentation and full colour brochures that sell Adelaide and Flinders University as a sensational conference destination
- full colour brochures to assist with delegate boosting
- full colour brochure shells that can be overprinted with your conference program and registration details.

Meetings and conventions make a major contribution to our state. South Australia continues to outperform the other states

on per capita bases with SA attracting 17% of all international conventions to Australia and 12% of the national market. Recent figures from the International Congress & Convention Association show that Australia ranked third in the world in terms of the number of international meetings held per country.

Australia's ranking is likely to jump even further with the 2000 Olympics and the Centenary of Federation in 2001. The University of Adelaide should capitalise on this growth period to bring world attention to its research and education facilities.

If you are contemplating bidding for a conference or need assistance with a confirmed conference please phone Lyndal or Peter at ACTA on 8212 4794.

MONDAY 9 NOVEMBER

12noon The Role of Universities in Australia in 2010 Public Lecture: Professor Janice Reid AM (Vice-Chancellor, Western Sydney).

BH2-09, City West Campus, UniSA.

1.00pm Microbiology & Immunology Seminar: Immunology of bronchiolitis by Professor Kevin Forsyth (Paediatrics, Flinders Medical Centre). Departmental Library, 5th Floor, Medical School South.

1.00pm Biochemistry Lecture: Mechanisms regulating differentiation of the mammalian blastocyst by Dr Tom Fleming (Division of Cell Sciences, University of Southampton, UK). Seminar Room, 2nd Floor, Darling Building.

1.10pm Public Health Seminar: Was the anti-tuberculosis movement an attack on working class culture? A review from Sydney Worker by Ms Carol Putland (History, Flinders University). Seminar Room, Level 6, Bice Building, RAH.

1.10pm History Staff/Postgraduate Research Proposals: Anglo-American policy towards Tibet by Mr Joseph Askew; Cinema, literature and life under Franco by Mr Christopher Bolland. Common Room 420, 4th Floor, Napier.

2.15pm English Staff/Postgraduate Seminar: Identity and the useful body: women, cars and technical competence by Dr Georgine Claarson (Postdoctoral Associate). Room 618, Level 6, Napier Building.

4.00pm Crop Protection Seminar: Population biology of *Uncinula necator* on grapevine by Dr Belinda Stummer (Postdoctoral Fellow). Charles Hawker Conference Centre, Waite Campus.

TUESDAY 10 NOVEMBER

12noon Lyell McEwin Health Service Grand Round: Case Studies in Cardiovascular Disease by Dr Pat Phillips (Director, Department of Diabetes & Endocrinology, TQEH). Conf Room 1, Community Health Building, Lyell McEwin.

COMING EVENTS

November 9th — 20th November

1.10pm Anatomical Sciences Seminar: Parathyroid gland in marsupials and monotremes by Dr Julie Haynes (Anatomical Sciences). Room S127, Medical School, South Wing.

WEDNESDAY 11 NOVEMBER

1.00pm Zoology Valedictory Seminar: Flies, fleas and fleories by Dr Derek Duckhouse (Zoology). Seminar Room, 4th Floor, Fisher Building.

1.10pm Genetics Seminar: *creA* and carbon catabolite repression in *Aspergillus nidulans* by Sue O'Connor. Seminar Room, Ground Floor, Fisher Building.

1.10pm Horticulture, Viticulture & Oenology Seminar: Eucalyptus leaf wax (Bio)Chemistry, Green vs Glaucous by Dr Michell Wirthensohn (HVO). Plant Research Centre Auditorium, Waite Campus.

THURSDAY 12 NOVEMBER

12.05pm Psychology Postgraduate Presentations: Factors influencing employee acceptance of organisational change by Janine Peckham; Cultural adaptation of young Persian-Australian women and their psychological well-being by Tahereh Ziaian. Room 527, Level 5, Hughes Building.

1.10pm Physics & Mathematical Physics Seminar: Phase Singularities Offer Sub-wavelength Information by Professor Gerd Leuchs (University of Erlangen-Nürnberg, Germany). Kerr Grant Lecture Theatre, Physics Building.

FRIDAY 13 NOVEMBER

11.30am Social Inquiry Seminar: Empowering Grandmothers:

Family Health in Laos by Dr Judi Aubel (Freelance consultant in Women and Child Health to NGOs, UNICEF & WHO). S/Rm, 3rd Flr, 10 Pulteney St.

12noon SA Institute of Justice Studies Seminar: Deaths in Custody: Summarisation of dissertation focusing on deaths in SA's correctional institutions by John Dawes (Public Advocate in SA). \$10 (soup, main course, tea/coffee). Police Club. Details Rosemary McKay, 8302 0757, email: <Rosemary.McKay@unisa.edu.au>.

12.45pm Dentistry Seminar: Mx Basics by Toby Hughes (Dentistry). Lecture Theatre 1, 6th Floor, Adelaide Dental Hospital.

1.10pm Elder Conservatorium Lunch Hour Concert: Phillip Langshaw - bass baritone; John Hall - piano. Elder Hall. Admission \$2.

3.30pm Agronomy & Farming Systems Seminar: Farming Planning to integrate climate, soils, crops & nutrient uptake for best production by Mr Reg French (Retired Agronomist). Seminar/Lunch Room, Roseworthy.

4.00pm Obstetrics & Gynaecology Seminar: Fetal lung growth by Dr Jill Lipsett (Histopathology, WCH). Seminar Room, Medical School North.

MONDAY 16 NOVEMBER

1.00pm Microbiology & Immunology Seminar: Prospects for animal transgenesis by Dr M Nottle (Reproductive Biology, BresaGen Ltd). Library, 5th Floor, Medical School South.

1.10pm History Staff/Postgraduate Research Proposal: Post-war Marxist social criticism by Andrew Cook; Mission-Hearted Women Required: Australians, the Empire and Philanthropy, 1840-1940 by Robin Secomb. Common Rm 420, 4th Floor, Napier Building.

4.00pm Civil & Environmental Engineering Seminar: Shallow Water

Wave Development in an Inter-Tidal Estuary by Craig Stevens (National Institute for Water & Atmospheric Research, NZ). Rm N132, Engineering Nth Bldg. **12noon Lyell McEwin Health**

TUESDAY 17 NOVEMBER

Service Grand Round: ICU Research by Ms Trudie Smith (Clinical Nurse Consultant, Intensive Care Unit, LMHS). Conference Room 1, Community Health Building, Lyell McEwin.

12.30pm General Practice Seminar: Premenstrual Tension: influences on nutrient intake by Giordana Cross. Room 3, Level 2, Margaret Graham Building, RAH.

WEDNESDAY 18 NOVEMBER

12.30pm Clinical Nursing Seminar: The development and implementation of a sedation scale for adult critically ill ventilated patients by Ms Judy Magarey. Seminar Room, Level 2, Margaret Graham Building, RAH.

1.00pm Anatomical Sciences Seminar: Breaking the back of "ANATOMEDIA": A novel CD-ROM approach to learning anatomy by Priscilla Barker (Uni of Melbourne). Florey Lecture Theatre, Medical School.

1.10pm Genetics Seminar: Regulation of mitosis during *Drosophila* development by Julianne Camerotto. Seminar Room, Ground Floor, Fisher.

1.10pm Horticulture, Viticulture & Oenology Seminar: Banksia floriculture export marketing and vegetative biology fundamental to clonal propagation by Dr R Mibus-Teuwsen. Plant Research Centre Auditorium, Waite

FRIDAY 20 NOVEMBER

12.45pm Dentistry Research Progress Report: Pathogenesis of Down syndrome by Emma Bell (Dentistry). Lecture Theatre 1, 6th Floor, Adelaide Dental Hospital.

1.10pm Elder Conservatorium Lunch Hour Concert: Finals of the Beta Sigma Phi Awards. Elder Hall. Admission \$2.

SITUATIONS VACANT

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

COMPUTING OFFICER (Ref:8062)

Department of Chemistry
Salary HEO6: \$37,991 - \$41,136
The Department of Chemistry is a substantial user of computers for research and teaching. The department has approximately 60 Macintosh, 40 IBM-compatible and 12 UNIX workstations and associated network servers. The Department is a major user of high performance computer facilities located in South Australia and interstate.

We seek a computing officer to undertake system administration and maintenance of Departmental resources. This is a challenging and rewarding position suitable for a tertiary graduate who is seeking to improve their system administration skills as part of a continuing program of professional development.

You should have:

- a tertiary qualification in computing or equivalent experience
- demonstrated ability to provide desktop installation support to computer users in a mixed environment (mainly Macintosh)
- demonstrated ability to provide maintenance for the Macintosh and NT network servers.

The position is available immediately on a continuing basis. Initially the position is expected to be filled at the HEO 6 level.

The selection criteria and duty statement may be obtained from the Secretary, Department of Chemistry, telephone: 8303 5365. Further information may be obtained from either Dr M Buntine telephone: 8303 5580, email: <mbuntine@chemistry.adelaide.edu.au> or Dr S Pyke telephone: 8303 5358, email: <spyke@chemistry.adelaide.edu.au>.

*APPLICATIONS should include the names and addresses

of two referees to Dr D Ward, Head, Department of Chemistry, University of Adelaide, Australia 5005 by 13th November 1998.

YEAR 2000 PROJECT OFFICER (Ref: 3670)

Information Technology Services
Salary HEO5: \$33,931 - \$37,862
The University of Adelaide has adopted a formal methodology for its Year 2000 Compliance Program, and is being assisted by an external consulting firm. Additional support is required in the Year 2000 Project Office to assist in the overall coordination of the project.

The successful candidate will maintain master and divisional Year 2000 project plans, assist in coordinating operations and processes for the Year 2000 Project Office and prepare correspondence. Duties will also include updating the Year 2000 database with relevant information, and liaising with vendors regarding Year 2000 compliance information.

You should have:

- demonstrated capacity to provide high level administrative support to senior management
- sound knowledge of both Microsoft Project and Microsoft Access
- demonstrated ability to monitor project plans within critical time frames
- a high level of oral and written communications skills
- excellent interpersonal skills and the ability to communicate effectively with staff and external organisations.

The position is available immediately for a period of 12 months, in the first instance. Further information including the duty statement and selection criteria may be obtained from Lina Russo, telephone: 8303 4740.

*APPLICATIONS to Mr M Physick, Year 2000 Project Co-ordinator, Information Technology Services, University of Adelaide, Australia 5005 by 16 November 1998.

GENERAL NOTICES

Campus Coloured Maps

Campus maps are due for their annual update.

Please check your department's listing on the relevant map - North Terrace, Waite or Roseworthy. Departments will not be contacted individually as in the past.

Please advise in writing with a photocopy of the relevant section of the map and index clearly showing the changes required in red. Also provide a name and telephone number and forward the information to: Andrew Trotter, CADD Manager, Property Services Branch.

The deadline for correction advice is 20 November 1998.

Annual Health & Safety Network Forum

The Occupational Health and Safety Unit invites all elected health and safety representatives, departmental health and safety officers and others involved with occupational health and safety in the University to the Annual Health and Safety Network Forum.

When: Tuesday 15 December

Time: 12noon - 2.00pm
(lunch provided)

Where: Staff Development Centre, 10 Pulteney Street

Speakers: Ian Creagh (Director, Student & Staff Services), Chris Miller (Manager, OH&S)

This is the Occupational Health and Safety Unit's opportunity to thank all of you for your efforts throughout the year and your opportunity to raise any issues of concern as well as to share ideas with others working toward the reduction of work related injury and illness.

For catering purposes, please RSVP to Stephen Thomas, OH&S Unit, ext 35904 by Monday 7 December 1998.

Stephen Cole Prizes

- The Stephen Cole Prizes for Excellence in Teaching
- The Stephen Cole Prizes for Scholarship or the Creative Arts

Each year the University awards prizes for Excellence in Teaching and for Scholarship or the Creative Arts. The prizes consist of a monetary prize of \$2,000 and a certificate presented at the commemoration ceremonies.

The Stephen Cole the Elder Prizes for Excellence in Teaching are awarded annually for outstanding teaching. One of the prizes is awarded for postgraduate teaching. Candidates for the prizes are nominated by their students or academic colleagues. Teaching groups may also be nominated. Nominations are considered by a selection committee chaired by an external member of Council and consisting of student and academic staff representatives.

The Stephen Cole the Elder Prizes for Scholarship or the Creative Arts are awarded for outstanding contributions to research or other scholarly work, or to the creative arts including their interpretation and performance.

Nominations are now sought for the Stephen Cole Prizes for 1998. Nomination forms and copies of the rules for the prizes can be obtained from Andrew Starcevic, Office of the Deputy Vice-Chancellor - Tel: 36106, Fax: 36121, e-mail: <astarcevic@registry.adelaide.edu.au> or downloaded from <<http://www.adelaide.edu.au/DVC/stepcole>>.

Nominations must reach the Office of the Deputy Vice-Chancellor by 11 January 1999.

What's on at Urrbrae House Historic Precinct Waite Campus

Enter from Fullarton Road
(Follow 800 metre driveway to
UH car park)

**GUIDED TOURS 1ST
SUNDAY OF EVERY MONTH
Waite Arboretum**

11.00am, cost \$2

**Urrbrae House Historic
Precinct**
2.00pm, cost \$4

The National Textile Museum
of Australia presents
FRANKLY HATS
Wed-Sun, 11.00am-4.00pm
until 29 November,
admission \$5

In Pursuit of Nature's Truths -
an exhibition of recent
Botanical and Zoological Art,
18 November - 6 December,
Wed-Sun, 11.00am-4.00pm,
admission free.

**URRBRAE HOUSE
HISTORIC PRECINCT
OPEN DAY**

Sunday 22 November,
11.00am-4.00pm, admission
free. Enquiries 8303 7497.

HealthWIZ Version 4

The Commonwealth Department of Health and Aged Care (South Australian Office) has arranged a demonstration of HealthWIZ Version 4 to be held on Tuesday 10 November 1998 at 2.30pm in Torrens Room 1, Hindley Parkroyal, 65 Hindley Street, Adelaide.

The demonstration will be presented by Dr George Preston and Chris Roberts from Prometheus Information Pty Ltd.

• HealthWIZ is a departmental product developed and managed by Prometheus Information under contract to the Public Health Division of the department.

• HealthWIZ is a comprehensive library of Australian Health and welfare data accessed through a user interface software platform that out performs any other package of its kind on the market today.

• HealthWIZ is an invaluable health information and research tool for universities, hospitals, researchers, community health services, health planners, Divisions of General Practice, Aboriginal Medical Services and policy makers.

• HealthWIZ is an interactive, user-friendly database of a wide range of health information including four years of hospital data for all states and territories, as well as Medicare, Childcare, DSS, DVA and 1996 Census data.

For details contact: Samantha Chaplain, (08) 8237 8031 or Chris Roberts, (02) 6242 1934.

Rudi Lemberg Travelling Fellowship

Nominations are invited for the Rudi Lemberg Travelling Fellowship for travel between 1 July 1999 and 30 June 2000. The Fellowship commemorates the contributions of Professor MR Lemberg FAA FRS to science in Australia.

The Lemberg Fellow may be drawn from any field of biology but special consideration will be given to those areas in which Professor Lemberg had an especial interest, namely biochemistry, conservation and the Australian flora.

Fellowships are tenable for visits to and within Australian of not less than two weeks. Overseas and domestic air fares (economy) are provided. It is the responsibility of the nominator to organise funding for living expenses.

Nomination forms and full details are available from the Academy Secretariat, fax (02) 6257 4620 or email: <ac@science.org.au>. Closing date: 14 February 1999.

EMPLOYMENT INFORMATION

*APPLICATIONS, IN DUPLICATE, addressing the selection criteria and quoting the relevant reference number should include residency status and 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.

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 Officer (HEO) with the reference number as stated have been filled and thanks them for their interest: 2527 HEO4, Department of Paediatrics, Women's and Children's Hospital; 3561 HEO5, Finance and Infrastructure.

HUMAN RESOURCES DEADLINES FOR ADELAIDEAN

For the *Adelaidean* of 7 December advertising paper work must be to Human Resources by 20 November.

Body Image Revolution

You can be a part of it - by participating in a new study.

The University of Adelaide's Department of Anatomical Sciences is seeking women to take part in a study of the Changing Size & Shape of Australian Women.

We need female volunteers aged 18 to 74 years who would be willing to spend about 30 minutes to have some body measurements and four photographs of body posture taken.

Confidentiality will be ensured.

Names of participants will not be used and the face will be partially covered when photographs are taken.

The study is aimed at better understanding the "average" size and shape of Australian women today.

If you would like to assist us in this research, please contact Professor Henneberg or Kath Berry during office hours on: 8303 5998.

PROPERTY SERVICES

ESP AUDIT

PROPERTY SERVICES ADVISES AN
ESSENTIAL SAFETY PROVISIONS (ESP) AUDIT OF ALL
FIRE AND LIFE SAFETY INSTALLATIONS WITHIN
UNIVERSITY OF ADELAIDE, NORTH TERRACE
CAMPUS BUILDINGS

(except Architecture, Barr Smith Library, Horace Lamb Building,
Plaza Building, University Club and North Terrace buildings).

ESP MANAGEMENT PTY LTD

WILL CONDUCT THE AUDIT

BETWEEN

NOV 1998 - FEB 1999.

**If you have any queries, please contact
PROPERTY SERVICES, phone: 8303 5701
OR SECURITY, phone: 8303 5990**

DEPARTMENT OF CLINICAL AND EXPERIMENTAL PHARMACOLOGY

Volunteers required

Healthy Volunteers required for a drug metabolism study
involving a single urine and saliva sample.

Age: 18-50 / Male or Female

**For further information phone
Janet Collier on 8303 5985**

(\$10 compensation paid for involvement)

The University of Adelaide
is currently developing a human resources framework
which will more closely align practical staffing strategies
with the goals of the University.

You are cordially invited to a

STAFF FORUM

on

The Strategic Contribution of Human Resources

Thursday 19 November 1998
The University of Adelaide Club
5pm Refreshments
5.30pm - 6.30pm Forum

The Vice Chancellor Professor Mary O'Kane
will be a member of the panel

Facilitator Winnie Pelz

This forum is designed to involve the members
of the University community in discussions on key staffing issues
as the University moves into the 21st century.

RSVP Pina Cardone Ext 35807
Email pcardone@registry.adelaide.edu.au
By close of business on Tuesday November 17
(For catering purposes - there is no charge for attending)

The forum will be recorded by Radio 5UV

END OF UNIVERSITY'S FINANCIAL YEAR - 31 DECEMBER 1998

The following are dates by which transactions to be recorded in the accounting system in 1998 are to be received in Finance Branch.

It is important that staff associated in any way with year end accounting related activities, in your Divisions/Faculties/Branches/Departments/Units, observe these dates:

FINAL PROCESSING OF INVOICES, PURCHASE ORDERS AND JOURNALS

Final acceptance of invoices for last 1998 cheque run:	12 noon Monday	14 December 1998
Final acceptance of purchase orders for 1998:	12 noon Wednesday	23 December 1998
Final acceptance of internal charges for 1998:	12 noon Wednesday	23 December 1998
Final acceptance of correcting journals from departments for December transactions:	12 noon Friday	15 January 1999

Departments are urged to plan ahead, especially in the case where administration staff may be planning recreation leave over December/January as:

- Any invoices/receipts/internal charges received during the Christmas break period relating to December 1998 are to be forwarded by Wednesday 6 January 1999 to Finance Branch.
- Final Period 12 financial reports will be distributed on Friday 8 January 1999.
- The close off date for correcting journals to 1998 accounts is Friday 15 January 1999.
- The 'Year End Financial Package' is due back Friday 8 January 1999 (distributed in October 1998).

FINAL PROCESSING OF PAYROLLS

Period ended 18 December 1998 (actually paid on 17 December):

- variations to payroll and overtime/shift loading	10.00 am Tuesday	8 December 1998
- casual claim forms	10.00 am Tuesday	8 December 1998

Period ended 1 January 1999

- variations to payroll and overtime/shift loading	10.00 am Monday	14 December 1998
- casual claim forms	10.00 am Monday	14 December 1998

Please note: Payroll for 1 January 1999

- Nine-tenths of the fortnightly pay will be debited against 1998 and one-tenth against 1999.
- All casual pay will be debited against 1999.

BANKING

- All cash received by departments (performing their own banking) up to 22 December to be banked and schedule delivered to Cashier, Revenue Section by 12 noon Wednesday 23 December 1997.

THESE ARE CLEAR CUT-OFFS FOR PROCESSING. THEY WILL BE RIGIDLY ENFORCED.

BJ SCHERER
Director Finance

Physiotherapy Clinic

ASSESSMENT AND TREATMENT

by
registered physiotherapists
undertaking postgraduate
studies

TREATMENT BY APPOINTMENT ONLY

8302 2541

FEES

If covered by private insurance
for extras (Health Fund
cheque only)

Uninsured: \$25 per visit
Students: \$20 initial visit, \$15
follow up

Pensioners: \$15 per visit.

CLINIC HOURS

Monday, Wednesday, Friday
10.00am - 12.30pm

LOCATION

Centenary Building, Level 6
(CB6-45), School of
Physiotherapy, University of
South Australia. Frome Road
entrance - Gate 1 or 2, North
Terrace entrance - Gate 23.

Christmas Closedown 1998

The University will be closed from: 5 pm Thursday, 24 December 1998 until 9 am Monday 4 January 1999.

The following days will be treated as **Public Holidays**:

Friday, 25 December 1998
Monday, 28 December 1998
Tuesday, 29 December 1998
Friday, 1 January 1999

The following two days will be debited as **Recreation leave**:

Wednesday, 30 December 1998
Thursday, 31 December 1998

Should you wish to take these two days off as Leave without pay, flexitime, or some other type of approved leave, please send written notification, authorised by your supervisor, to: **Payroll Services, Human Resources. This notification must reach Payroll Services not later than 18 December 1998.**

STEVE DAYSH
Acting Director Human Resources



THE UNIVERSITY
OF ADELAIDE
LIBRARY

Are you registered?

- receive your library notices by email?
- to borrow at the libraries of Flinders and Uni of SA?

Choose Option 14, "Borrower's details", on the Library catalogue to register your details now!

SCHOLARSHIPS, RESEARCH 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, ext 35137; email <research@registry.adelaide.edu.au> or cmail RESEARCH, Branch.

Sponsored Programs Information Network (SPIN): SPIN Australia - A database containing current and comprehensive information on over 2,600 government and private funding opportunities. SPIN web site: <http://australia.infoed.org/spin_start.html>. Select 'Access Spin WWW' and then select 'Spin Australia'.

Department of Industry, Science & Tourism (DIST) - 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

Australian Quarantine and Inspection Service - AQIS Quarantine Research Projects: Internal closing date: 13 November 1998. U19/98. Web site: <<http://www.aqis.gov.au>>.

Women's and Children's Hospital - 1999 MS McLeod Research Fund Travelling Fellowship: Further information (eg application format, conditions) are available from the Secretary, Department of Chemical Pathology, W&CH on 8204 7294. Completed applications must reach Ms Brenda Penny, Research Secretariat, W&CH by Friday, 13 November 1998. U20/98

Australian Academy of Science - Japan Society for the Promotion of Science - JSPS Postdoctoral Fellowships in Japan 1999-2000 - Science & Technology Agency - STA Postdoctoral Fellowships in Japan 1999-2000

Internal closing date: 16 November 1998. U21/98. (Applications for the above fellowships were invited earlier this year with an internal closing date of 24 July. The AAS would like to receive more applications and the closing date has now been extended.)

National Facility Steering Committee - Oceanographic Research Vessel Franklin: Call for Applications for use of Franklin in 2000 and Expressions of Interest for 2001 and Beyond. Internal closing dates: 20 November 1998 (Applications for use of Franklin in 2000). 24 March 1999 (Expressions of Interest for use of Franklin in 2001 & beyond). U18/98. Web site: <<http://www.marine.csiro.au/Franklin/>>.

Sugar Research and Development Corporation - SRDC Awards to Recognise Contributions to R&D: Internal closing date: 23 November 1998. U20/98

Australian Academy of Science - Elizabeth & Frederick White Conferences 1999/2000: Internal closing date: 23 November 1998. U20/98

Japan Foundation - Grants Programs for Fiscal 1999-2000: Internal closing date: 24 November 1998. U18/98. (Please note that some of the programs will be administered through the Japan Cultural Centre, Sydney and some through the

Sydney Language Centre. The Research Branch has general information about the various programs and application form request sheets. Applicants are required to obtain application forms themselves (using the printed request sheet) directly from the appropriate Centre). Web site: <<http://www.ozemail.com.au/~jcclib>>.

University of Melbourne, Faculty of Science - David Syme Research Prize: Internal closing date: 24 November 1998. U19/98

Australian Academy of Science - International Exchange Programs, Science and Technology: Scientific Visits to Europe, the United States of America, Canada and Mexico: Internal closing date: 24 November 1998. U17/98

Women's & Children's Hospital - Clinical Research Fellowships: Applications must reach Miss Nikki Johnson, Research Secretariat, Women's & Children's Hospital by 11 December 1998. Application forms may be obtained by contacting her on: tel 8204 6390; fax 8204 6112 or email <Johnsonn@wch.sa.gov.au>. U21/98

International Agency for Research on Cancer - Fellowships for Research Training in Cancer: Internal closing date: 14 December 1998. Web site: <<http://www.iarc.fr/education/fellow.htm>>. Please note: Due to the specific criteria governing the fellowships, IARC prefer potential applicants to contact them directly to request application forms to enable them to carry out a certain degree of preselection. Contact ph, fax & email details are available from their web site. U20/98

University of Cambridge - Corpus Christi College: Visiting Fellowships 1999/2000: Applications need to be with the Secretary, Corpus Christi College by 15 December 1998. U8/98

Clive & Vera Ramaciotti Foundations - Ramaciotti Foundations Travel Award: Internal closing date: 17 December 1998. U8/98

Royal Society of Victoria - Medal for Scientific Research for 1998 (Earth Sciences): Internal closing date: 21 December 1998. U18/98

Australian National University (ANU), Humanities Research Centre: Academic Program 2000: Visitors Program - Internal closing date: 22 December 1998. Web site: <<http://www.anu.edu.au/HRC/>>.

The John Carter Brown Library - Research Fellowships 1999-2000: Internal closing date: 1 January 1999. U20/98. Web site: <http://www.brown.edu/Facilities/John_Carter_Brown_Library>.

New Educational Aids in Medicine and Science (NEAMS) Trust - Grants: Internal closing date: 8 January 1999. U19/98

Norwegian Nobel Committee - Invitation to nominate candidates for the Nobel Peace Prize: Internal closing date: 11 January 1999. U21/98

Grains Research & Development Corporation (GRDC) - Applications for Conference Support 1999-2000: Internal closing dates: 15 January 1999 (for the six months July 1999 to December 1999). U11/98. Web site: <<http://www.grdc.com.au>>.

Australian Institute of Aboriginal and Torres Strait Islander Studies - Research Grants Program 1999: Internal closing date: 22 January 1999. U20/98. Web site: <www.aiatsis.gov.au>.

Australian Research Council - Special Research Centres: Draft applications are due on 22 January 1999. Further information about the SRC Program and the timetable for the preparation and submission of applications is available from

the Research Branch web site: <http://www.adelaide.edu.au/RB/documents/arc/SRC/> or by contacting Cyril Brown on extension 35137. U20/98

Cotton Research & Development Corporation: Research Project Assistance, Postdoctoral Scholarships, Industry Development Awards & Travel Awards: Internal closing date: 25 January 1999. U21/98

Channel 7 Children's Research Foundation of SA Inc - Research Grants 1999/2000: Internal closing date: Monday 1 February 1999. U19/98

Australian Academy of Science - Rudi Lemberg Travelling Fellowship 1999/2000: Internal closing date: 5 February 1999. U20/98

Pig Research & Development Corporation - Travel/Conference and Distinguished Visitor Awards: Internal closing date: 22 February 1999 & 24 June 1999. U16/98.

Scholarships

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

Adelaide Postgraduate Coursework Scholarships (Equity) (HECS-Liable Places for Postgraduate Coursework Degrees): Up to 10 HECS-liable places will be made available, to eligible students accepted for fee-liable postgraduate coursework degrees in 1999. Not available to students applying for Graduate Certificate in Management, Graduate Diploma of Business Administration or MBA. Applicants must provide evidence they hold a minimum qualification or a three years bachelor degree or equivalent, are eligible for AUSTUDY or ABSTUDY or receive DSS or Veterans Affairs benefit or allowance (other than Family Payment); have a Health Care Card; provide documentary evidence of financial hardship. Closing: 5 February 1999 (Scholarships)

Adelaide Summer Research Scholarships: Open to undergraduates in all disciplines who are Australian citizens or permanent residents who have completed at least two years of a Bachelor's degree at a standard acceptable for admission to honours. Value: \$300 per fortnight for six weeks. Closing: 27 November (Scholarships)

Cambridge University - Sidney Sussex College: Details on the Evan Lewis-Thomas Law Studentships for 1999 are available on request. Closing: 1 February 1999 (UK)

Cambridge Australia Trust: An information sheet regarding Packer and Poynton Scholarships for study at Cambridge in 1999, is currently available. Admission and scholarship forms available from The Secretary, Board of Graduate Studies, 4 Mill Lane, Cambridge, CB2 1RZ. Closing: Admission: 31 January & Scholarship: 30 April (Cambridge)

Charles John Everard Scholarship in Agricultural or Horticultural Sciences: Applicants must be Australian citizens or permanent residents of Australia who are acceptable as candidates for a postgraduate research degree at the University of Adelaide, and should hold a good honours degree or equivalent in a relevant discipline. Closing: 11 November (Scholarships)

Charles and June Ross International Fellowship: Open to women scientists (natural and physical sciences) who are Australian citizens and graduates of an Australian university to undertake full-time graduate/postgraduate study or research. Tenable in the US for one academic year. Value: \$US15,400. Applications available from AAUW Educational Foundation, Fellowships and Grants, North Dodge Street, PO Box 4030, Iowa City, Iowa 52243-4030 USA. Closing: 1 December (USA)

Constantine Asprougourgos Memorial Scholarship for Greek Studies: Open to bachelors or masters graduates of Queensland University undertaking a postgraduate course involving at least one area of Greek studies (ancient, Byzantine or modern) in language, culture, literature, history, archaeology, society, religion, economy, politics or geography, at another university, or Queensland University, providing that some part of the course involves studies at another university. Value: \$4,500. Closing: 23 April 1999 (Queensland)

Frank Knox Memorial Fellowship to Harvard: Open to Australian citizens who have recently graduated, or are about to graduate, from an Australian tertiary institution. Fellows will be required to devote the major part of their time to study in one of Harvard's Graduate Schools. Closing: 11 December (Scholarships)

Guy Lloyd MBA Scholarship: Open to full-time students accepted for an MBA at the University of Adelaide. Value: \$20,000 over four trimesters, plus remission of MBA fees. Closing: 13 November (Scholarships)

Horticultural Research & Development Corporation Scholarships and Study/ Training Awards: Open for study in the areas of: Fruit fly disinfestation research (preferably Mediterranean fruit fly), new disinfestation research technologies, 'systems approaches' for quarantine security. Further details available. Closing: 20 November (NSW)

International Council for Canadian Studies Graduate Student Thesis/ Dissertation Scholarship: Open to students in social sciences and humanities who are in the process of preparing a graduate thesis or doctoral dissertation on Canada, who wish to spend 4-6 weeks at a Canadian university. Value: \$CAN3,500. Closing: 15 November (ACT)

Mason Family Scholarship in the Communication of Science: Open to those intending to enrol in a GradDipEd, provided the student has a degree in Science or Agricultural Science; postgraduate degree or diploma in the field of science communication; any other postgraduate qualification in science or agricultural and natural resource science undertaken by a qualified teacher of science seeking improved qualifications. Value: \$6,000pa. Closing: 13 November (Scholarships)

Rural Industries Research and Development Corporation Postgraduate Scholarships 1999: Open to Australian Permanent Residents and Australian citizens who hold a first, or upper second class honours or equivalent in an appropriate discipline. Value: \$21,500pa for up to three years. Closing: 16 November (Scholarships)

Wyatt Benevolent Institution University Scholarships for Country Students 1999: Open to students, under 25 years of age, living away from home (rural SA) while undertaking a first degree/diploma course at a SA university. Applicants must be, and have been resident, in SA for a period of less than 5 years in total, and are in reduced financial hardship (family financial circumstances will be taken into account). Value: \$3,000pa. Closing: 18 December (Scholarships)