

ADELAIDEAN

Vol 8 No 5

NEWS FROM THE UNIVERSITY OF ADELAIDE

APRIL 19, 1999

INSIDE

2 Jeff Langdon on the benefits of Radio 5UV

3 The Vice-Chancellor on receiving messages from government

5 University trials VHF radar technology

Super celebration of science on campus

DINOSAURS, frogs, cats, koalas, mosquitoes and chemistry explosions will all take centre stage at the University of Adelaide as part of National Science Week (the first week in May).

National Science Week is Australia's only nation-wide celebration of science which involves people of all ages, backgrounds and interests.

At the University of Adelaide, the Faculty of Science is running a series of dynamic and informative presentations which are free of charge and open to the public.

Organisers Miss Sarah Farrelly and Dr Chris Daniels said the aim of the week was to increase awareness of the importance of science and technology to our economic and social well-being.

"This is a unique chance for the University of Adelaide's Faculty of Science to showcase the breadth and depth of its research, and demonstrate its relevance to the wider world," said Miss Farrelly.

"When Friends Become Pests—Cats, Koalas, Frogs and Mosquitoes" is the first event, on Monday, 3 May.

Presented by three of Adelaide's best-

known scientists, Dr Mike Kokkinn (University of South Australia), Dr David Paton and Associate Professor Mike Tyler (University of Adelaide), this promises to be an entertaining and thought-provoking symposium on the social and environmental issues associated with cats, koalas, frogs and mosquitoes.

On Wednesday, 5 May, "The Lou and Dennis Explosive Chemistry Show" bursts onto the scene.

Presented by University of Adelaide chemists Dr Lou Rendina and Dr Dennis Taylor, this show received rave reviews when it was first performed two years ago—mainly due to the unexpected appearance of the SA Metropolitan Fire Service mid-way through the performance!

Dr Rendina and Dr Taylor risk their lives demonstrating some of the more exciting and fun aspects of chemistry, such as the explosive reaction of nitrous oxide and carbon disulphide, the burning of magnesium and the oxidation of white phosphorous. The show promises a light and sound extravaganza like no other.

Continued on Page 5



Dinosaurs: truth is stranger than fiction. Part of National Science Week presentations at the University of Adelaide from 3 May.

Drug study offers new hope for heroin users

HEROIN ADDICTS who want to "kick the habit" are being urged to volunteer for a new study which could improve their chances of suppressing cravings for heroin.

The trial—being undertaken by the Drug & Alcohol Services Council, University of Adelaide and the Royal Adelaide Hospital—aims to compare the effectiveness of standard detoxification practices with a practice known as RODA (rapid opiate detoxification under anaesthetic).

Over the course of the study, 100 heroin-dependent adults will receive either RODA in the Intensive Care Unit of the Royal Adelaide Hospital, or standard in-patient detoxification at Adelaide's Warinilla clinic.

RODA is a relatively new technique which involves anaesthetising the person and administering an antagonist drug to displace heroin from the receptors in the brain. This differs from standard detoxification mainly because of the much shorter time involved—less than a day, as opposed to withdrawal over a number of days.

For all participants in the study, detoxification is followed by nine

months of treatment with the drug naltrexone, with their progress monitored for 12 months. All treatment, including the naltrexone tablets, is provided free of charge to trial participants.

The three-year research project, supported by a \$466,000 State Government grant, is already under way with about 40 heroin addicts having entered the trial.

Study coordinator Dr Jason White, from the University of Adelaide's Department of Clinical & Experimental Pharmacology, said the research would help determine the possible effectiveness of RODA in improving the outcome of naltrexone treatment.

"Naltrexone can now be prescribed by all general practitioners, as well as drug and alcohol specialists, to reduce people's craving for alcohol and to prevent heroin users who've undergone detoxification from relapsing to heroin use," Dr White said.

"However, the use of naltrexone in rapid opioid detoxification is not one of the approved applications and is still experimental. Consequently this trial

of rapid opioid detoxification and naltrexone maintenance will play an important role in providing a basis for guiding our use of this drug.

"Previous research, and initial results of the South Australian trial, indicate that naltrexone treatment is beneficial for some people. We're not yet in a position to determine whether the use of RODA improves the outcome of naltrexone treatment," he said.

Dr White said of the 40 people who had already undergone detoxification, most had been successful in establishing a daily pattern of naltrexone use.

While some of those people used naltrexone for days or weeks only, others had continued for several months.

"We know that some people who have dropped out of the trial have remained abstinent from heroin, while others have relapsed. We will continue to follow as many participants as possible for up to 12 months, to determine how many achieve and maintain abstinence through this treatment approach," Dr White said.

The rate of induction into the trial was initially limited to two participants a week—one in each group. The main reason for this was to avoid overstretching the capacity of the Royal Adelaide Hospital's Intensive Care Unit.

Having refined and gained good experience of the RODA procedure, Dr White said researchers were now

looking to step up the rate of induction into the trial, hence the call for more volunteers.

Current heroin users who are interested in participating in the trial should contact the Alcohol and Drug Information Service, phone 13 13 40. They will be asked to leave their name and contact details. Subsequent phone and face-to-face interviews will determine their eligibility for the trial.

Importantly, heroin users who have participated in a methadone maintenance program in the last three months are to be excluded from the trial, for several reasons.

"Starting naltrexone treatment is more difficult physically and medically for patients who've been taking methadone because of the longer-lasting action of methadone," Dr White said.

"Also, methadone maintenance is known to be effective in terms of reducing heroin use, improving health and reducing death rates. Therefore it would be unethical for us to do anything that would encourage clients to leave methadone maintenance for a treatment of unknown effectiveness.

"I should emphasise that detoxification is only the beginning of any treatment. The post-detoxification recovery period is lengthy and requires commitment and perseverance," he said.

The trial is expected to be completed by July 2000.

—David Ellis

COMMENTARY

ON THE BENEFITS OF 5UV

As I leave 5UV and the University after nine and a half years I have the chance to reflect on the net worth of the station to the University.

In times of financial hardship, institutions can often retreat into economic fundamentalism. Talk of "maintaining a core business" and "outsourcing of service provision" can lead businesses, even large institutions, to lose sight of the "bigger picture".

Universities are about community service as well as teaching and research. And in times of increasing competition between tertiary institutions, market differentiation can be achieved in each of these areas of activity. Just as Adelaide University strives to be a world class institution in the fields of teaching and research so too must it be seen to be valued by its community for its service to the community.

Adelaide University, by and large, is indeed seen by South Australians as being an important part of the community. High profile academics who contribute to community life, Bonython Hall, the Elder Conservatorium of Music and Radio 5UV, among many other activities, demonstrate that.

One way of articulating how 5UV maintains this community benefit might be to look at the recent national awards won by the station.

In December last year 5UV won four (out of a possible five) awards for excellence. The first one was the Dave Rose Award for Initiatives in Training. The specific project honoured was the station's training of Pitjantjatjara and Aboriginal broadcasters, a group which subsequently established Radio 5NPY in the Pit Lands. 5UV is recognised nationally for its excellent broadcasting training programs, including nationally accredited courses.

The second award was made by APRA for the station's contribution to Australian Music. 5UV produced a series of four CDs throughout 1998 that promoted South Australia's emerging artists. Again, this achievement points to a much wider contribution 5UV makes in the world of music. Many musical performing artists from rock and pop through to classical have their music recorded and broadcast by 5UV (and now on our sister station 5MBS FM).

The third award won by 5UV in December last year was for a series in conjunction with teacher professional development bodies under the title "Brainwaves". Each program looked at development issues in the profession based around a specific subject area. The

by
Dr Jeff Langdon
Manager, Radio Station 5UV

availability of the station's programming on line on the Internet was a useful additional tool in delivering these programs to the widely-dispersed audience.

The fourth award was for 5UV's support of a youth initiative, LOUD FM. LOUD FM was a week's broadcasting on the FM band conducted in conjunction with the national LOUD Media and Arts Festival. The LOUD exercise attained some notoriety when its Rundle Mall live band broadcast was closed down by the City Council for being too loud!

As you can see from this range of activity, 5UV's influence extends into a wide cross-section of the South Australian community. And in all this interaction 5UV is seen as a community outreach component of the University of Adelaide. It's hard to put a value on that.

Hard to put a value, but what of the cost? Well, in recent years 5UV has been able to increasingly commercialise its services to the extent that it now only relies on University support for about one in every four dollars needed to operate the station. On top of that, 5UV incorporates a lot of voluntary involvement in its activity. If this involvement were 'costed', reliable

estimates indicate that every University dollar would be augmented by another ten dollars—some value-adding!

Because 5UV combines University staff and community members, it gives a unique opportunity to be on campus and in the community at the same time. And not only the local community but also the global community through our on-line broadcasts. Most recently we heard from an Adelaidian who was in London when Don Dunstan died. He sent an email thanking 5UV for allowing him to listen to the Don Dunstan Celebration Service in the Festival Centre. Another email came from a man living in a log cabin in Alaska and listening to 5UV on the Internet, thanking us for such intellectual stimulation. Yesterday a taxi driver phoned to say he'd heard a wonderful lecture on Sunday morning and could he have a copy of the talk.

Then there are the volunteer broadcasters who contribute their experiences as well as find new self assurance that in some cases allows them to enrol in a university course or embark on new careers.

It's a rich mix of experience—I see the future of 5UV and its part in bringing the University into the community in a very healthy state. I wish it well and may it flourish in the 21st century.

Celebrating
125 years

FROM NEAR AND FAR

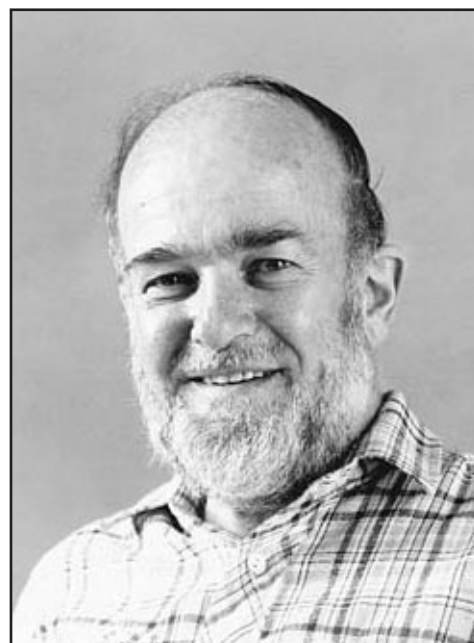
John Last has been professor of epidemiology and community medicine at the University of Ottawa since 1969. He graduated from the University of Adelaide's Medical School in 1949 and has worked in Australia, England, Scotland, the United States, and for the World Health Organization and other agencies in Colombia, Indonesia, India, Sri Lanka, China, Saudi Arabia, and Kuwait, and for WHO Headquarters in Geneva on many occasions. His principal research interest is in the sustainability of human health in environments and ecosystems that are becoming less sustainable. He recently re-visited the Medical School.

Brighton in the 1930s was a sleepy seaside village separated from Adelaide by orchards and vineyards through which I biked in my Tom Sawyerish boyhood, amid warbling magpies and occasional cars. The earthly delights of Adelaide at millennium's end lose a little lustre as I contemplate an unbroken array of suburbs from Gawler to Willunga, a miniature Los Angeles, complete with photochemical smog and commuting drivers all alone in five-passenger cars in peak hour gridlock.

In my student years at the University of Adelaide, cultural stimulation and a good meal were hard to find. Conversations with Max Harris and other Angry

Penguins in Mary Martin's bookshop, a floater at Comley's pie cart after dark, a bad, expensive hotel meal, that was about it. Now Adelaide is a latter-day Athens of the Southern Hemisphere, culturally rich, awash with excellent restaurants, the best wines in the world, a perfect climate, an easy-going approach to life and the discontents of civilization. But I left Adelaide eagerly with my wife and children in 1959, we thought for just a wee while so I could get trained as an epidemiologist. It turned out, alas, to be permanent exile.

The transition from school to university in 1944 mingled excitement and exhilaration at the prospect of learning about life—biology, physiology, anatomy—with vague feelings of guilt at being there while others just months older than I were fighting and dying to save my freedom. The University in those years (1944-49) was small enough for us to mingle across faculty lines. My friends included many artistic and literary types (Don Dunstan comes to mind). Some assortative mating went on, but in those chauvinist days we "men" resented the women medical students (we called them "girls"). About 15 years later when I was doing research on medical education at the University of Edinburgh I underwent a conversion like Saul on the road to Damascus, and became a



Emeritus Professor John Last. File Photograph.

card-carrying feminist, outraged by what I was discovering about the inequities that stacked the deck so shamelessly against women students. That's another way things have changed for the better. I note with approval the increasingly feminized higher echelons of academia, though I don't think Adelaide University yet has, as we do in Ottawa, an associate dean for equity issues.

My medical course was appallingly inadequate. Perhaps that's why I got interested in medical education:

I wanted to make things better for some who came after me. I learnt to use my hands and eyes with moderate proficiency, but I graduated in spite of, not because of the academic content of the lectures. Attendance was supposedly compulsory but there were ways to evade this.

I learnt far more from books and journals in the medical library than from the droning voices of "teachers" whose method was to dictate notes, or, worse, put pages of a surgical textbook on the screen with an epidiascope, and read aloud to us. It took my brain five years to recover from the damage inflicted on it.

That is another way university life has been transformed. I don't know how it is in other faculties, but problem-based learning has made medical education a genuinely pleasurable process for mentors and learners alike.

When I talk in Adelaide now, the interactive discussion is as intellectually demanding as at any of the most hallowed halls of learning on the opposite side of the planet.

Where next? Adelaide is a mature city where life is good. Three universities, forsooth! Is there enough ferment, enough discontent? I hope so! I'd like to be around to see how Adelaide University evolves in the next half century.

GPs take a healthy approach to uni life

A NEW medical service is now available to staff and students at the University of Adelaide.

The Health Service, headed by a team of experienced general practitioners and based on the North Terrace Campus, is open Monday to Friday from 9am to 6pm and Saturdays from 9am to 1pm.

Not only is it free of charge, the Health Service offers staff and students convenience and confidentiality.

Practising GP Dr Jim Kosmas, himself a medical graduate of the University of Adelaide (MBBS 1992), established the Health Service with three other GPs: Dr Hannah Le, Dr Anura Nitchingham and Dr (Mrs) Srimal Nawana.

Dr Kosmas said the University of Adelaide had called for a nationwide tender for the Health Service in a bid to provide much-needed services to the university community.

"The University wanted a health service that would open for extended hours, that would cater for students, staff and their families, a service that would be involved in health promotion and deal closely with other departments and facilities, and a service that would bulk bill, which means there's no out-of-pocket expenses for any students, staff or their families, including international students," Dr Kosmas said.

"The main benefits are that the Health Service is convenient and it's accessible, because it's located on campus and there's no charge whatsoever.

"We provide a wide range of services—vaccinations, general health check ups, advice on travel medicine, contraception, and a women's health clinic, to name a few.

"We also have both male and female doctors available. Most importantly, the service is



Dr Jim Kosmas and receptionist Angie at the new Health Service.

completely confidential."

Dr Kosmas said staff and students were welcome to use the university's new Health Service "either as their full-time general practice, or for those people who already have a GP but for whatever reason need to see a doctor quickly".

"It can be hard when you're working or studying to make time to see a doctor. If there's no doctor on campus you would have to make a specific trip away, which can mean driving or catching a bus, booking an appointment, waiting... and it might take a while to get seen," Dr Kosmas said.

"But the Health Service is already on campus. You can come in during your lunch break, after work, or between lectures, whatever the case might be. Obviously we'd prefer people to book appointments, but we also welcome those who just

walk in on the day that they need to see a doctor. We'll make sure you're looked after.

"The same doctors will be working here all the time, so once you get used to a particular doctor, you can always see that same doctor if you so desire."

Dr Kosmas said there had already been a positive response to the fledgling Health Service, and he was hoping to build on that.

"We really want to see ourselves as playing an important role in the community spirit of Adelaide University, and we'll look at developing that role further over the next few years," Dr Kosmas said.

The Health Service is currently located in the Horace Lamb Building but will soon be moving to Hughes Plaza. To make a booking call 8303 5050.

Leading surgeon graduates again

ONE OF THE NATION'S leading surgeons, the head of the Australian Cranio-Facial Unit, Mr David David, has become a doctor all over again.

This time, however, Mr David has earned a higher doctorate, the University of Adelaide's Doctor of Medicine degree.

Mr David was one of 260 graduates from the Faculty of Health Sciences who received their degrees, diplomas and certificates in Bonython Hall on Wednesday, 14 April.

The commemoration ceremonies began last week with Dentistry, Medicine, Economics, Commerce and Arts. Next week's ceremonies will be held for Architecture & Urban Design, Engineering, Agricultural & Natural Resource

Sciences, Law, Mathematical & Computer Sciences, Performing Arts and Science—taking the total number of graduates to around 2900.

Mr David is best known for his work with the Cranio-Facial Unit in Adelaide's Women's & Children's Hospital. The Unit, which was established by Mr David in 1975, is dedicated to the "humane understanding and management of the craniofacially deformed" and has treated almost 5500 patients over the last 25 years.

For his Doctor of Medicine degree, Mr David wrote an extensive two-volume thesis entitled *The Australian Cranio-Facial Unit 1975-1996*. Copies of the thesis are now available in the Barr Smith Library.



Mr David David. Photo courtesy of the Women's & Children's Hospital.



Receiving loud and clear

As I've said before, I am always intrigued by the signals sent to universities by governments. Often these signals are indirect or cryptic and working out the underlying message (and whether there is one) can be quite a challenge. In general terms the signals are usually about what governments would like universities to do or to be. For some time now the Commonwealth Government has been signalling that it would like universities to educate ever larger numbers of students, and that this must cost less and less. In other words we must provide more education for a decreasing call on the public purse. We have seen many examples of this reduction in public funds including the introduction of HECS; the failure to index Operating Grant funding to provide for increases in staff salaries; and the neglect of infrastructure replacement.

Messages from governments can be revised too. Last week we were honoured to have the Minister for Foreign Affairs, the Hon. Alexander Downer, address the Centre for Intercultural Studies and Multicultural Education here at the University. In his speech the Minister pointed out that the University of Adelaide had a good track record of taking Columbo Plan students and had recently been enrolling "reasonable" numbers of overseas full-fee paying students. Then he went on to say that our University is not doing as well as other universities in this regard. But who said this is a competition? At first taking overseas full-fee paying students had been portrayed as a way for a university to replace income being lost because of reductions in Commonwealth grants but now it seems to be moving to an expectation.

Sometimes messages are transmitted through funding mechanisms. And some of the messages are, I believe, not in Australia's long-term interest but are appealing messages to special interest groups. Changes to the formula for the National Composite Index used for allocating the Research Quantum provide an indicative example. Increasing weight has been placed on industry funding and postgraduate completions in recent years and that means there is decreasing emphasis on National Competitive Grants which are awarded for high-quality fundamental research (basic and applied) which underpins the whole of the country's knowledge production. I am concerned to see the importance of fundamental research apparently downgraded in this way, even if it keeps some of the 'newer' players in the research game happier.

It is also interesting to see the cumulative effect over time of our reactions to various government signals. Our 1998 financial statements have now been finalised and are on their way to the Governor. The Operating Grant as a percentage of our total consolidated revenue is now 44.4%, down from 46.2% in 1997 and 49.1% the year before that. It is clear that we are slowly turning ourselves into a semi-privatised university. That's what these signals must be about—that's what Government must want from us!

MARY O'KANE



ADELAIDEAN

The newspaper of The University of Adelaide

John Edge
Editor

Julie Ryke
Layout

Printed by
Cadillac Color

Writers
David Ellis
David Washington

Contributors
Tony Cox
Adrienne Eccles
James Gruber

Deadline for next issue is 22 April

Room G07 Mitchell Building, South Australia, 5005. Tel (08) 8303 5174; Fax (08) 8303 4838; Email: julie.ryke@adelaide.edu.au
WWW: <http://www.adelaide.edu.au/Adelaidean/home.html>
Material may be reproduced without permission but full acknowledgement must be given to the *Adelaidean*.

Advertisement

INVITATION

Become a Smarter Investor
by attending our FREE
Investment Seminars

**"Saving
Tax with
Negative
Gearing"**

▲ Wednesday, 5 May
5.30 to 7 pm

For reservations or information
telephone Petra

8205 5702

Website: www.todd.com.au

 FINANCIAL PLANNING ASSOCIATION
OF AUSTRALIA LIMITED PRINCIPAL MEMBER

Participating Organisation of the
Australian Stock Exchange Limited

Todd Partners

Sharebrokers and Investment Advisers
33 Waymouth Street, Adelaide SA 5000
Todd Partners Stockbroking Pty Ltd
(ACN 008 082 157) is the holder of
Dealers Licence No. 10788
Trading as Todd Partners

Drama leads in law reforms

ALL THE WORLD'S a stage—something first year contract and legal skills students have discovered this semester as they have acted out characters such as "Debbie", "Bob" and "Brian" in drama classes to highlight and learn about real life legal problems.

Dr Bob Moles, a lecturer in contract law and legal skills, said the drama classes were an alternative to students taking notes in law lectures, so they could relate more to the everyday characters in the exercises.

"Traditionally, students get a set of law lectures where they laboriously take notes and the issues and problems discussed don't really sink in," he said.

"But the best way for students to learn in law is to do something—doing practical exercises [in the drama classes] interests them and makes them learn more than taking notes from lectures."

Sally Haigh, a first year law student, said the drama classes helped to crystallise issues in her mind and to see the impact of legal problems on other people.

"It is much more interactive than the traditional methods of teaching law—in the [drama] classes we were actively rather than passively learning," she said.

Nanette Kretschmer, another first year law student, said the drama classes helped her better understand legal problems and absorb the different arguments being presented.

The drama classes are just one of the innovative reforms Dr Moles is introducing to change methods of teaching law and make students more interested in legal problems and better skilled to enter the work force.

He said lecture notes for contract law



Michael Crichton and Margaret Riley play "Brian" and "Debbie" during the law drama classes.
Photo: David Ellis

and legal skills were being transferred to a computer system so students could have access to them all year round.

"By doing this, lecturers can become inventive and activities such as drama classes may be conducted to engage students in legal issues on a wider scale."

Dr Moles said students were also organising projects with external legal practitioners to allow themselves to research current issues and build up contacts for future employment.

"The idea is, instead of just learning from lecturers I want students to become involved with projects that relate to their course."

He said students would be involved with a wide range of projects dealing with commercial and social issues.

Professor Michael Detmold, Dean of the Law School, said the reforms Dr Moles was initiating were among many the School was introducing to move away from lectures to more innovative ways of teaching.

—James Gruber

Adelaide's maths dominance continues

PROFESSOR Ernie Tuck has become the second University of Adelaide mathematician to be awarded the ANZIAM Medal.

The Medal is awarded by the professional organisation Australian and New Zealand Industrial & Applied Mathematics (ANZIAM), which is a Division of the Australian Mathematical Society.

Nominees must have given outstanding service to the profession of applied mathematics in Australasia through their research achievements and through other activities.

So far only three of the medals have been awarded—two of them to University of Adelaide staff.

The first ANZIAM Medal was awarded in 1995 to Emeritus Professor Ren Potts from the Department of Applied Mathematics.

Interestingly, Professor Potts was once Ernie Tuck's Honours supervisor at the University of Adelaide back in the 1950s.

Now colleagues, they have both earned the highest degrees of respect from their peers.

"Following Ren in this honour is rather incredible," said Professor Tuck, who has a national and international reputation for his research in applied mathematics, covering such topics as ship hydrodynamics, aerodynamics,

hydraulics, bio-fluid dynamics, defence science and games theory.

"This is recognition by our peers; these are the people we deal with professionally day to day, so it means a great deal.

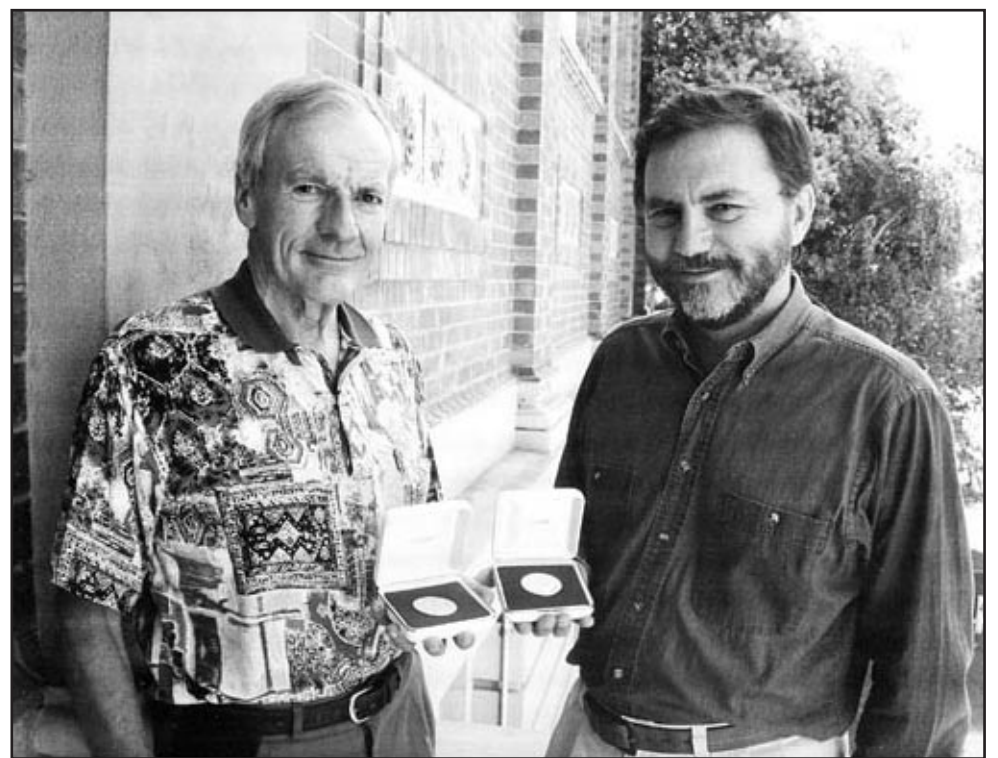
"I think it's pretty significant too when you think about it, that two out of the three ANZIAM medals have gone to mathematicians from Adelaide. In many academic and professional areas, Melbourne and Sydney dominate. But this is an indication that they certainly don't dominate in this area.

"Adelaide's been extraordinarily prominent in the development of applied mathematics in Australia, and Ren is generally considered to be the father of Applied Mathematics in this country."

"Ernie was my first Honours student and he was my best Honours student. He showed the best potential, and that potential has been realised," Professor Potts said.

"I think both of us share the view that our job is not just about research, it's about being involved with others in the field right across the country, working closely with teachers, contributing to the applied mathematics community.

"And because we've taken that approach, it's very exciting to see that both of us have now received the ANZIAM medal."



L to R: Emeritus Professor Ren Potts and Professor Ernie Tuck. Photo: David Ellis

Earlier this year Professor Tuck was also awarded the Thomas Ranken Lyle Medal by the Australian Academy of Science.

The medal, which carries with it both national and international prestige, has been awarded biennially since 1931, alternating between a

mathematician and a physicist.

The first ever recipient was a University of Adelaide professor, while the last recipient was Professor Tony Thomas from the University of Adelaide's Department of Physics & Mathematical Physics.

—David Ellis

University trials VHF radar technology

RADAR TECHNOLOGY being trialled by University of Adelaide researchers could lead to improvements in air safety, efficiency of airport operations and reductions in air pollution.

The university's Atmospheric Physics Group is studying new applications for Very High Frequency (VHF) radar.

Atmospheric radar technology is being tested by the Bureau of Meteorology to determine changes in the atmosphere and to study the winds. Such radars have potential for use at airports, where atmospheric conditions play a crucial role in the day-to-day, or minute-by-minute, airport operations.

Until now most of these radars, known as "boundary layer radar", have operated at Ultra-High Frequencies (UHF). But there are some drawbacks associated with UHF radar, such as its inability to determine key atmospheric parameters in the presence of rain.

Dr Bob Vincent, Reader in Physics, explains the benefits of VHF radar.

"One of the main problems in using UHF is that when you've got rainfall, the UHF radars just see the rain drops, they don't see weaker echoes from the atmosphere and so they can't measure the vertical wind in that situation. Whereas a VHF radar can. It can separate out the two components.

"One of the other key benefits is that VHF radar can be used to measure wind conditions at very low levels. We've developed a VHF boundary layer radar which can study winds as low as 300 metres above the ground.

"The Bureau of Meteorology is very interested in this capability, of being able to measure atmospheric conditions at both low and high altitudes.

"The unique aspect of our radar is that it works at a much lower frequency than has previously been used for this work, only about 50 MHz. UHF radar operates typically between 400 and 1300 MHz," Dr Vincent said.

Dr Vincent's research in this area started at the University of Adelaide in 1994 thanks to an ARC large grant. To date, students from the Department of Physics have trialled the VHF radar system at Alice Springs in conjunction with colleagues from Monash University, at Buckland Park and even Sydney airport.

"In collaboration with the Bureau, our radar array was set up at Sydney for a month to get some preliminary measurements, to see if it's feasible to operate at Sydney airport," Dr Vincent said.

"This has a lot of potential for what is called for short-term forecasting or 'Now-Casting', where you have several low-level radars which can provide the information necessary to update forecasts for a few hours ahead rather than a day ahead.

"Now-casting", could be very beneficial to airports. Improved knowledge of weather conditions could result in better safety for aircraft and more efficient airport operations, because decisions on which runway to use can depend on the low-level winds and how they are changing with time and height. This could potentially save airports hundreds of thousands of dollars and, more importantly, it could save lives."

Dr Vincent said ATRAD, the Atmospheric Radar Systems company established through the University of Adelaide, had already developed a



The University of Adelaide's radar array set at Sydney Airport. Photo courtesy of Dr Bob Vincent.

prototype VHF radar system for the Bureau of Meteorology.

Another important area to which this work could be applied was environmental protection, he said.

"VHF radar can tell you where the top of the 'boundary layer' is situated—that is, the region where air pollutants get mixed up—so theoretically you can predict any potential air pollution problems before they arise," he said.

"If you've got very still conditions, which we often get here in Adelaide in Autumn, the winds won't move the pollutants away and so it all just sits over the city, creating a haze.

"Environmental protection authorities across the world are very interested in the potential these radar systems have in identifying such air pollution problems. It might mean that, with an accurate forecast, the industries that cause the most air pollution could be shut down before they blow their smoke over the city and suburbs.

"Of course, if we're talking about shutting down industries and possibly costing those industries a lot of money in the process, you've got to have really accurate predictions. And that's where the research we're doing comes in," Dr Vincent said.

—David Ellis

AW Jones lecture by VC

EDUCATING ADELAIDE: the Role of Education in Positioning the Modern City-State is the challenging title of the 1999 AW Jones Lecture, to be delivered on Friday, 7 May by the Vice-Chancellor of the University of Adelaide, Professor Mary O'Kane.

In announcing the details of the 1999 Lecture, Mr Gerry White, Chair of the SA Chapter of the Australian College of Education, noted that the AW Jones Lecture series was established in 1989 to honour one of the State's leading educators, Dr Alby Jones OA, and to encourage informed debate on key issues of education policy.

"During the last decade, the AW Jones Lectures have discussed some of the most fundamental economic and social issues facing the nation, ranging from the future of universities to the need for reconciliation between indigenous and later-arriving Australians," Mr White said.

"Perhaps the most constant theme has been the relationship between education and economic life. In the inaugural lecture, educationalist Professor Hedley Beare warned against allowing education to be too severely limited by the demands of managerial efficiency. Economist and former Deputy Premier, Hon. Hugh Hudson, just as strongly linked education with the creation of a just as well as an efficient society.

"In the 1997 lecture, eminent

management theorist Dr Peter Sheldrake re-iterated the economic role of education, while arguing that a broadly based, liberalising approach best served economic as well as individual and social needs."

In the tenth anniversary lecture, Professor O'Kane will attempt to reconcile these strands through the concept of the Learning City, one of the key ideas of the emerging philosophy of Lifelong Learning, and one particularly appropriate to a City-State like South Australia.

Mr White also said that the lecture would be broadcast live on Radio 5UV and through the internet to the world—utilising to the full the University of Adelaide's technology.

"Listeners through the internet will need to have downloaded the Real Audio program, and then access the lecture at 6.30pm Adelaide time, through Radio 5UV's website www.adelaide.edu.au/5UV."

The 1999 AW Jones Lecture will be delivered by Professor Mary O'Kane in Elder Hall at the University of Adelaide on Friday May 7, at 6.30pm.

Enquiries about the AW Jones Lectures can be addressed to Mr Gerry White, the Australian College of Education (SA Chapter): (08) 8334 3210.

—Tony Ryan, Chair, AW Jones Lecture Committee

Super celebration of Science

From Page 1

Last but not least is "Hollywood Dinosaurs—Truth is Stranger Than Fiction", to be held on Friday, 7 May.

Presented by Dr Chris Daniels and Professor Rob Saint (University of Adelaide) and Ben McHenry (South Australian Museum), and conceived and developed by Mr Gerald Buttfield (University of Adelaide), this highly engaging presentation was nominated for the Eureka Prize for 1999.

A geneticist, a palaeontologist and a comparative physiologist use the

Hollywood portrayal of dinosaurs to highlight hot issues in the debate about the life and times of these mysterious creatures.

With video clips from dinosaur movies, sound and computer animations, working models and audience participation, this is a lively and humorous presentation of the real science behind dinosaurs.

Each presentation is free. Starting time is 7.30pm in the Rennie Lecture Theatre. Bookings are essential: contact Sarah Farrelly: (08) 8303 4003 or email<sarah.farrelly@adelaide.edu.au>.


Advertisement

Academic prices for computers and software ... on campus!

Computer hardware and software, service, advice and Internet available on campus.
All the big brands including:

- Apple
- Microsoft
- Adobe
- Symantec

HARDWARE AND SOFTWARE SALES
hardware software disks cables modems
SERVICE AND SUPPORT
sales, service and support
CAMTECH

 **CAMPUS COMPUTERS**
University of Adelaide Telephone: 08 8303 3320 Email: computers@camtech.com.au

(08) 8303 3320

Profile: Academic/commercial success at TQEH

ROB NORMAN, recently appointed to a personal chair in Obstetrics and Gynaecology by the University of Adelaide, has also recently taken over the leadership of a world-class fertility service, Repromed. For him, these two aspects of his working life go neatly hand in hand.

Repromed Pty Ltd is an offshoot of the Reproductive Medicine Unit at the Queen Elizabeth Hospital. It was founded in 1987 and headed by Professor Colin Mathews, the former Head of the Department of Obstetrics and Gynaecology at TQEH whom Professor Norman replaced this year as both Departmental Head and Head of Repromed.

Professor Norman regards Repromed as a shining example of how organisations like the University of Adelaide and TQEH can work together to reap commercial benefits from academic research, capitalising on the findings of the University's Department of Obstetrics and Gynaecology. Luminis Pty Ltd, the University of Adelaide's commercial development unit, played a key role in getting the venture started.

While TQEH provides some infrastructure and staff, Repromed provides a valuable service at TQEH for all South Australians. It has additional

clinics in Adelaide city and the Northern Territory, and it also helped establish a unit in Indonesia with which it continues an association. Repromed employs 25 people on its own research projects, and a further 30 on clinical services. All profits raised are ploughed back into research.

Professor Norman sees that the University has good cause to be proud of this unit which is not only an important centre for academic study and training, attracting students and trainees from many different countries, but also provides one of the best fertility services available anywhere in the world. He himself is both a clinician and researcher in obstetrics and gynaecology with particular skills in chemical pathology. His specialist knowledge of the hormonal barriers to fertility is rated among the best in Australia.

One area of his research work involves the link between female obesity and infertility. The more overweight a woman is, the harder she finds it to become pregnant. With 47% of Australian women diagnosed as overweight and numbers increasing, the Australia-wide problem of infertility which 10% of couples already face is growing literally.

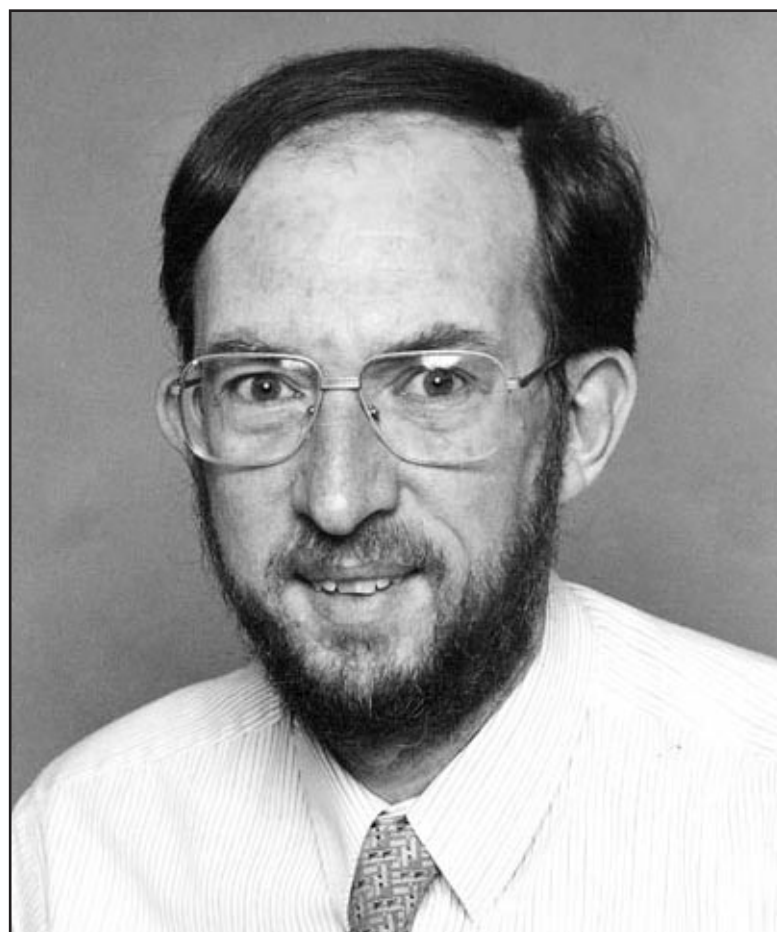
The solution—all so simple in theory, but yet so difficult in practice—is to lose weight.

Unlike fad weight-loss programs which promise quick results through crash diets, Professor Norman has established that the only sure way to slim down is through lifestyle changes. His work on this front, in conjunction with researcher Anne Clarke, is attracting international interest.

Another of his research projects, still in its early stages, involves a study of how the immune system can adversely affect ovulation and the successful implantation of embryos in the womb.

His work in reproductive medicine has a vital ethical dimension to it as well. In considering who should receive IVF treatments, he has been drawn into the controversy surrounding couples with drug and alcohol problems, same-sex couples, single mothers and surrogate mothering. In all cases, the paramount principle he follows is the interests of the child.

Because of his experience and expertise, he has been asked to serve on the SA Council of Reproductive Technology, which advises the SA Parliament about ethical issues. In his view, the legislation is workable overall despite some difficulties with interpretation. Although SA has a considerable reputation for social reform, he sees the State as



Professor Rob Norman. Photo courtesy of Obstetrics & Gynaecology, TQEH.

being somewhat conservative in regard to reproductive medicine—which is not necessarily bad. At least the current legislation provides definable boundaries as to what is acceptable practice and what is not.

Meanwhile, having already helped some 3000 “bundles of joy” into the world, Professor Norman and Repromed also have many more on the way.

—Tony Cox

Multi-disciplinary feast of cuisine

CUISINE is the subject of a new and daring symposium being held in Adelaide next month.

The symposium, run by the University of Adelaide's Research Centre for the History of Food and Drink, will take a fascinating look at cuisine across a wide range of disciplines and examine them from a regional, national and global viewpoint.

Topics include: “Cuisines as Therapy”, “Visceral Proximities: Eating, Sex and Ethics”, “The Tyranny of Culture in Cuisine”, “How Cuisines Develop”, and “Cuisines Under Time-Space Compression”.

The symposium begins with registrations on Friday evening, 14 May, at Charlick's Feed Store, followed by the opening lecture by Professor Sidney Mintz, Professor Emeritus of Anthropology at Johns Hopkins University. Professor Mintz is the author of “Sweetness and Power” and “Tasting Food: Tasting Freedom”.

On Saturday, 15 May, the symposium continues at Charlick's Feed Store, a restaurant based in Adelaide's East End which has been praised for its “world-class standard” by the American food writer Jeff Steingarten.

Some major figures with wide interests in food and cuisine will give papers at the symposium. They include food historians Barbara Santich, Michael Symons and Angela Heuzenroeder, food writers Rosario Scarpato and John Newton, cultural studies lecturer Jean Duruz (UniSA), nutrition lecturer Pat Crotty (Deakin) and an expert in gender studies, Associate Professor Elspeth Probyn (Sydney).

The cost of the symposium prior to 3 May is \$100; thereafter the cost is \$130. Included in the cost are dinner, lunch and morning and afternoon tea, as well as a copy of the book of papers from the symposium. Places are limited.

For registration forms or more information about the symposium, contact the University of Adelaide's Department of History on (08) 8303 5032.

Poster prize for ‘real world’ study

REPETITIVE STRAIN injuries and muscle fatigue were the issues being looked at by a group of Physiology students in a recent research project.

The students, who received a prize for their efforts, produced a poster on the relationship between the forces exerted on people's muscles and their rate of fatigue.

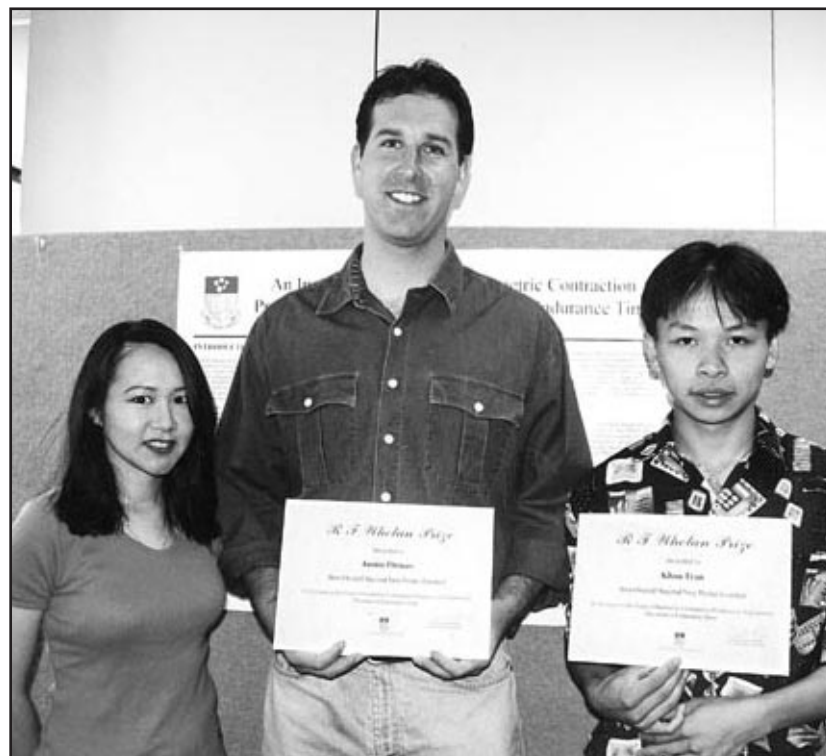
In particular, they looked at the elbow flexor muscle.

By getting test participants to bend their elbows and maintain the muscle contraction, the students were able to study the resulting physical stress on the muscle.

Research such as this may be important in preventing workplace injuries, such as through the field of ergonomics, as it could help identify the main dangers leading to physical stress, pain and injury in workers.

The RF Whelan Prize awarded to the five students involved in the project is named in honour of the former head of the Physiology Department, Professor Bob Whelan, who saw an important role in teaching students to communicate their science.

Two of the students, Justin Pitman (who is also based in the Department of Obstetrics & Gynaecology) and Khoa Tran,



Pictured above are two of the students who earlier this year received the RF Whelan prize for their poster.

From left: the students' supervisor, Dr Judy Cheong, and Justin Pitman and Khoa Tran. The other students who took part in the research project, but not pictured, are: Karen Bunting, Michelle Sharrad and Natasha Vasso. Photo: David Ellis

accepted a cheque on behalf of the group and thanked the Physiology Department and their supervisor, Dr Judy Cheong.

“We wanted to take a fairly simple problem and analyse it in a scientific way,” Justin Pitman explained.

“We wanted to research an area that had some relevance to the real world, and repetitive strain injury is something that a lot of workers face every day, so it was an interesting research project from that perspective,” he said.

—David Ellis

Missing Alumni

THE ALUMNI ASSOCIATION is once again looking for the addresses of its missing 1949 Golden Jubilee Graduates.

If you know the whereabouts of any of the following please contact Judy Benson, 08 8303 4276 or email <judith.benson@adelaide.edu.au>. Thank you.

BSc

Andrews, Murray William
Barlow, Arthur John
Bartlett, Brian Mervyn
Bourne, Malcolm Cornelius
Brandstater, Rhona
Brown, Geraldine Whittle
Carthew, Allen Rex
Church, Jack Raymond
Couche, Raymond Arthur
Dow, William Harold John
Ewers, Keith Ambrose
Francis, Albert Edward John
Gaffney, Fay Madeline
Green, Ronald Gordon
Haldane, Alexander David
Heinrich, Jeff Dean
Hemingway, Peter Cunliffe
Herbert, Septimus Giffen Mills
Hiscock, Ian David
Magarey, Katherine Ashley
Mander, Suzanne Flora
Mansbridge, Harold Edgar
Matheson, Pamela
McDonald, Colin Robert
McDonald, Heather Hunter
McInerney, Thomas John
McKay, Maureen Gordon
Merrett, James Laurence
Nicholls, Colin Herbert
O'Callaghan, Desmond Joseph
Osborn, Peter William
Ponsford, Joan Helen
Thomas, Joyce Amy
Thompson, Douglas Norman
Wincey, Cynthia Weaver
Cottew, Geoffrey Selkirk
Shaw, Peter John Randall

BSc (Eng)

Atkinson, Douglas Ewen
Sharp, Bruce Burnell
Wright, Robert John
Young, Kelvin Albert

BSc (Hons)

Frith, Ernest Everard
Riedel, William Rex
Sibly, Pamela Maslin
Wegener, Clemens Frederick

Dip Arts Ed

Armitage, Bessie Eleanor Mildred
Baird, Rachel Mary
Bourne, Margaret Cornelius
Bowler, Mary
Bown, Henry Theobald
Carmichael, Donald Ross
Clarke, Ruth May
Cousins, Georgena Millicent
Darby, Ruth May
Dempster, Donald
Fitch, Nancy Jean
Golding, Edmond William
Lamborne, Maxwell Addison
Langsford, Irene Eltham
James, Richard Cecil
McElroy, Anthony Godfrey
McLeod, Murray Robert Love
Milway, Russell Henry Oliver
Murchland, Mildred Emily
Norton, Mary Alice
Pearce, Alfred Moreton
Quirke, Helen Marian Sykes
Read, Clarence Percy
Roberts, Owen David
Rowell, George Douglas Fairbairn
Smale, Thomas Charles
Smith, Ivan Ford
Trudinger, June Stirling
Williams, Ruth Jacqueline
Williamson, Beth, England
Woodards, Eva Narma Cherrington

Harry Lander—natural gift for lateral thinking

HARRY LANDER, a well-known identity on the Royal Adelaide Hospital (RAH) campus for over 40 years, died on 30 December 1998, aged 79.

Born in Scotland, adopted as a baby, brought up in Malaysia, he received his secondary education in Perth, Western Australia, having left on one of the last boats out of Singapore before its fall. He appeared to have carried into adult life an ability to avoid disaster marginally.

Since Perth did not have a medical school at that time, he graduated MBBS from the University of Adelaide in 1952, and gained his membership (1958) and subsequently his fellowship (1965) of the Royal Australasian College of Physicians. He was a member of the University of Adelaide's Department of Medicine at RAH for many years, becoming honorary assistant physician (1959-70) to the late professors HN Robson and DJ Deller. His university status ranged through a senior lectureship, reader and a professorship. He had been involved for many years in the organisation of the final year clinical examinations. His interest in teaching frequently involved the esoteric.

Harry played an important part in the investigation of kuru in 1957. He was a member of a small medical team, organised by the late Professor (Sir) Norrie Robson, which went to the village of Okapa in what was then the Australian mandated territory of New Guinea in the heart of the kuru country. This team made a brief but intensive study of the clinical features of this appalling fatal disease, with the generous help of its discoverers, Vin Zigas and Carleton Gajdusek.

Harry's medical contributions were summarised in a paper, "Observations on kuru: clinical features", appearing in the



Australasian Annals of Medicine in 1959. In Okapa he shared the debates, vivid and unforgettable, led by Gajdusek, on the nature of kuru—eventually shown by Gajdusek to be a prion disease resembling Creutzfeldt-Jakob disease and almost certainly transmitted by ritual cannibalism. Harry remained throughout his life one of Gajdusek's innumerable friends and admirers.

He had also been overseas to a leading haematology department in the University of California where he involved himself in an early bone marrow transplant program. Some attempts were made to transfer this work to Adelaide upon his return. However, he made his most important contribution to patient services at RAH, where he designed the layout, provision and purchase of equipment for the Department of Nuclear Medicine, thereby confirming a lifelong interest in innovation.

Following a review of the Fiji School of Medicine by the late Dr Douglas Hardy, Dean of the Faculty of

Medicine at the University of Adelaide, Harry took over the deanship of the Fiji School for four years and helped to establish the School on a much sounder basis.

Regrettably he was dogged by angina since his early clinical years. A major cardiac event in 1983 led him to review his dislike of bypass surgery and other interventions, resulting in no less than three cardiac bypass operations and several angioplasties.

He was always interested in the new and moved from area to area as his curiosity and enthusiasm took him. He had a strikingly original mind with a natural gift for lateral thinking; always ruthlessly honest with little time for convention and often intentionally provocative—epitomised by his views on euthanasia. Lurking behind his rather forbidding yet mischievous exterior was a kindly heart. Thus he maintained his reputation of being a very bright student and a very stimulating conversationalist throughout his life.

Some might well have believed Harry was a little over-generous in his descriptions of his own expertise and contribution to our intellectual life on campus. Nevertheless, he exemplified Professor AN Whitehead's assertion that life is an adventure of ideas, howsoever he may have used these as a basis for disputation.

He is survived by two sons, Andrew and David and a daughter, Elizabeth. We, his friends, join with them to say we will miss him.

—Bernard Nicholson
Heritage Office, RAH

(Bernard Nicholson is indebted to the following for their contributions: Hugh Gilmore, Michael Horowitz, Richard Kimber, Justin La Brooy, Leo Mehar, Donald Simpson.)

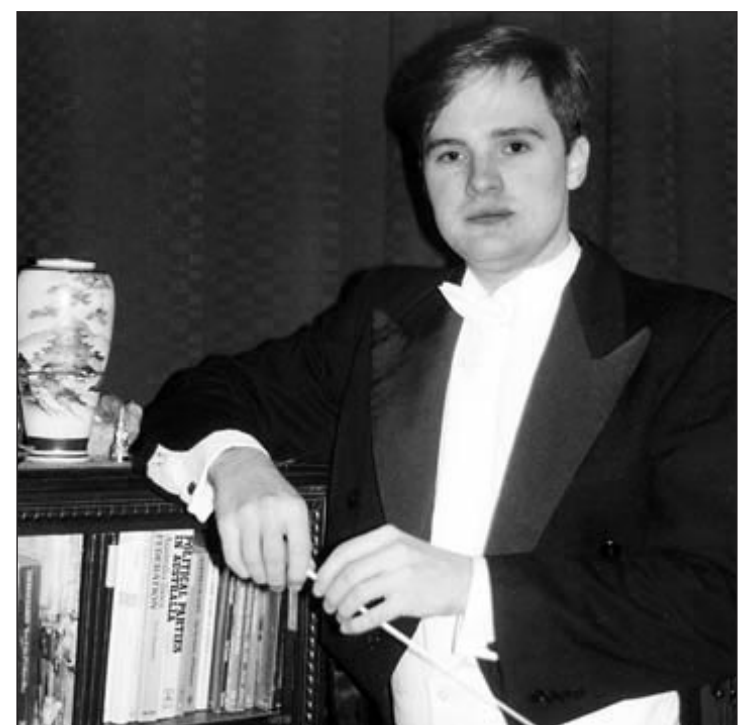
Elder Hall Concert Series 1999

FOR ALUMNI MEMBERS who subscribe to the Alumni Services Package please note that the 1999 Elder Concert Hall Series commences on Saturday 1 June. There will be 5 concerts in this year's series.

The 1999 Program will sent to Alumni Services Members as soon as it is available—this will include details about how to exchange the vouchers for tickets. Services members receive vouchers allowing them to gain admission to each of the five concerts plus purchase a concession ticket for each of the concerts.

Negotiations are in progress for Alumni Ordinary Members to be able to purchase concession tickets for this concert series and details will be published in the *Adelaidean*.

For more information on the Alumni Association and their activities check out their web site at: <<http://www.adelaide.edu.au/alumni/>>.



An Adelaide graduate has recently been appointed as the new Director of the Bristol Bach Choir in the UK.

Peter Leech (BA 87, BMus 90, Grad Dip Musicology 96) has lived for several years in the United Kingdom, where he has been Music Director of Christ Church Cathedral Singers in Oxford and of the City of Oxford Choir.

Radio 5UV opens new office space

IT'S A CASE OF "out with the old, in with the new" at University Radio 5UV.

No, that doesn't mean Student Radio is launching a takeover bid for Roundabout's timeslot... and it's not a reference to Jeff Langdon's announcement that he's leaving 5UV after almost 10 years as Station Manager!

Instead, it refers to the newly renovated office space at the rear of 5UV, a move which aims to provide a more productive and safe working environment for the hundreds of 5UV/5MBS volunteers.

The "back office" as it's known was in need of renovation for some years, and on the basis of occupational health and safety and productivity issues, the University of Adelaide provided the station with a minor works grant of about \$60,000.

Work began in late February and was completed in record time in March.

The new-look office space was officially launched by the Deputy Vice-Chancellor (Education), Professor Penny Boumelha, on 31 March.

With its refurbishment complete, 5UV was "well placed to continue its magnificent community work on behalf of the University", Professor Boumelha said.

[see also Dr Jeff Langdon's commentary on page 2].



5UV Program Manager Laine Langridge and Station Manager Jeff Langdon in the newly refurbished back office. photo: David Ellis

Stardust theory in public lecture

ARE WE ALL "children of the stars"?

That's the notion being put forward in a new and exciting public lecture at the University of Adelaide by one of the world's foremost female physicists, Professor Jocelyn Bell Burnell from the Open University in the UK.

Professor Bell Burnell will give this year's Claire Corani Memorial Lecture in the Rennie Lecture Theatre at 7.30pm on Tuesday, 4 May.

Her topic is Cosmic explosions and the creation of the elements—you are made of star stuff!

"What kind of atoms make up the molecules that make up the cells that make our bodies?" she asks.

"Where did these atoms come from, and how did they get to be in our bodies?"

"Life on Earth depends on the death of stars as well as on the Big Bang that created the Universe. There is star dust in your veins, and in an ultimate and intimate way we are children of the stars."

Since 1991 Professor Bell Burnell has been Professor of Physics in the Open University, which is the UK's largest. In 1999 and 2000 she is working at Princeton

University in the US, on leave from the Open University.

As part of her PhD studies at Cambridge, Professor Bell Burnell was involved in the discovery of pulsars, which opened up a new branch of astrophysics. She has subsequently worked in the fields of gamma ray astronomy, X-ray astronomy and infrared astronomy, and has been awarded some of the highest prizes in her profession from learned bodies in the US and the UK.

The Claire Corani Memorial Lecture is a free public lecture in the Australian Institute of Physics International Women in Physics lecture series. It promises to be a stimulating and thought-provoking experience.

An annual event at the University of Adelaide, the lecture will also see the presentation of the Claire Corani Memorial Prizes, which are awarded to high-achieving female students currently studying second-year Physics.

The prizes are named in honour of a graduate of the University of Adelaide, Claire Corani—an active member of the South Australian Women In Physics group who died in 1994.

Advertisement

HOSTING A CONFERENCE?

Complimentary workshops are being conducted at your University to provide accurate, up to date and relevant information covering the key considerations of hosting a conference.

28 April 1999 - The University of Adelaide, North Terrace

The range of topics will include:

- Securing a conference for your university
- Distributing the conference workload
- Promoting your conference
- Planning a social program
- Preparing a sponsorship proposal
- Preparing a conference budget
- Working with a professional conference organiser
- Saving time and money by using the complimentary support available from ACTA

To reserve your place contact ACTA on 8212 4794 or at uni@acta.com.au

Adelaide
AUSTRALIA

THE UNIVERSITY OF ADELAIDE

Adelaide Convention and Tourism Authority Level 3, 60 Waymouth Street Adelaide SA 5000
Ph 8212 4794 Fax: 8231 9224 <http://www.visit.adelaide.on.net>

ACCOMMODATION

ACADEMIC'S HOUSE:

attractive fully furnished 3 br, near beach and transport. Avail for long or short rental. Ph 8356 9582/8201 2377.

ALDINGA BEACH: Cosy, relaxing, self-catering 2br holiday unit on seafront. \$70p/night (2 nights min), \$450 pw. Ph 8211 7500.

ATHELSTONE: Fully furn, 4 br house, 2 bath/r. Close to bus-O Bahn service, amenities. Phone is connected, u/c parking, quiet area. Pergola & priv. garden area. Close to shops, foothills. 14 km from city. Avail. long/short term.

\$350 pw (neg) plus 2 weeks bond & expenses. Ph Maria on 8332 0224 (ah).

BEACHFRONT TOWNHOUSE: Magnificent sea views, near city. Suit prof couple or visiting academic.

Fully furn & self contained, 2 brs, 2 bath rms, study, nursery or 3rd br. Avail now. Ph Anne 8400 8178 or 8377 0936.

KENSINGTON PARK: Spacious studio/apartment for single person. Garden setting, close to transport. \$135 pw. Ph 8431 2147.

NORTH ADELAIDE: Cottage for rent, 2 br, avail for appx. 3 months (Aug/Sept - Nov). Beautifully restored and renovated, fully furn, dishwasher, gas heating, air/c. off street parking. Suit visiting academic or professional couple. \$300 pw. Ph 826 2350.

NORTH ADELAIDE: Room for rent, fully furn, avail from mid May to mid August. \$75.00 pw. 10 mins walk from North Tce Campus, close to amenities. Ph Ryan or Shane on 8267 6569 after 6pm.

ADELAIDEAN CLASSIFIED

NORWOOD: 2BR furn. unit on Osmond Tce, Norwood avail Sept-Nov inclusive. Very near shops, cafes, transport. 30 mins walk to Uni. \$160pw all-inclusive (except phone). Ph 8303 4447 <dwright@law.adelaide.edu.au>.

SEMAPHORE: House avail for rent for 6-12 months - owner abroad. Fully furn, 3 br, near beach, 20 mins to city, ph: 8341 7024.

URRBRAE: House for Rent. "THE LODGE", a University owned property on the corner of Fullarton and Cross Roads Urrbrae. Historical setting, 4bedrooms, unfurnished. \$165.00pw. Available mid April. Ph Penny Kempster 8303 7235.

WAYVILLE: 1 Bedroom 1920's style apartment, Wayville. Garden, off-street undercover parking, gas heater. Easy bike/walking distance to markets, University. Close to Glenelg tram line/ King William Rd/ Goodwood Rd buses. Available end of April. Ph Penny 8373 3182 or 8389 6402(h).

FOR SALE

BICYCLE: Ladies 12 speed mountain bike. Hardly ever ridden. Will need a new chain but other than that in very good condition. \$120 ono. Ph Linda on ext. 35871 or (a/h) 8336 3980.

MINI PORTABLE TV & RADIO: (FM/AM), 7cm LCD screen, main power or

batteries, Citizen, still in the box, cost \$500 but sell \$198 ono. Ph:8338 4152

TOYOTA COROLLA : 1974, RZH 834. Very good condition, new tyres and breaks, 3 month rego, \$790, ph 8346 1345.

VALIANT: S 1962 appreciating classic, very good cond, driven daily. UBD 384. \$6,000. Ph 8303 3138 or 8339 6976.

TENDER

COMPUTER EQUIPMENT/MISC: Computers 33MHz 486 with and without Hard Disks, SVGA monitors, Dot matrix printers, Apple NT Laser printer (Needs new fuser), Cupboards, Solid table. For further information contact Bruce Lucas 8303 5451 (Department of Civil & Environmental Engineering).

WANTED

INFRA-RED LAMP: Ph Chris 8303 3150.

MISCELLANEOUS

CHILD CARE: Reliable, references available, own transport. Ph Rebecca 8262 5134.

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

WORD PROCESSING: \$3.50 per page @ 250 words per page; 1500 words = \$21. Thesis formatting of WP on disk. Laser printing, after hours service, city location, quick turn around. Ph Anne Every for a guide to services and costs, 8212 6869 or 8415 7866.

Bulletin Board

APRIL 19, 1999

THE UNIVERSITY OF ADELAIDE

PAGE 1

LUMINIS SNAPSHOTS

LUMINIS SUPPORTS BUDDING ENTREPRENEURS

Luminis would like to congratulate and welcome seven graduates who successfully applied for places within the University's Graduate Entrepreneurial Program for 1999.

The program offers a broad range of support and training for entrepreneurial university graduates who have an innovative idea for a new business venture.

Luminis provides business advice, registration, insurances, accounting, contractual and legal services, and MD Peter Hart is a member of the Board which manages the program.

The 1999 participants in each of the three programs comprising the Graduate Entrepreneurial Program are:

BUSINESS INITIATIVES FROM GRADUATES (BIG)

Drew Kluska, Drew Kluska Australian Safaris - Customised safari tours catering to the high yield tourism market.

Anoosh Manzoori, HEALTH INFO-NET - Health information service to the alternative health care market.

Daniel Smith, Danson Blooms - Production and sale of Sturt's Desert Pea as a cut flower.

Casey van Seville, Sylva - Design and production of limited edition art-furniture and production design service for manufacturers.

Jim Woolcock, Ecco Consulting - Consultancy in the area of environmentally sustainable building design.

INTERNATIONAL ENTREPRENEURIAL PROGRAM

Cathie Hill - Preparation of business plan for a US company considering location in Australia.

GRADUATE BUSINESS SUPPORT SCHEME

Alex Zinoviev, Numacom - Software development in the area of statistics and acoustics.

An information session for potential applicants for the year 2000 intake will be held at Einstein's Café, Thebarton Campus, 6.30pm on 5 May.

For course details tel Ms Kankana McPherson: (08) 8303 3273.

—Paul Szuster, *Business Development Manager, Luminis*

End of An Era

Graeme Langsford, the Department of Physiology's retiring Laboratory Manager, was farewelled on Friday 5 March with a "This is Your Life" presentation.

Graeme's friends and colleagues gathered to surprise him with a humorous and at times emotional resumé of his life and a career spanning almost 40 years at the former Waite Institute, the CSIRO and the University of Adelaide. Graeme can reflect on a long and selfless period of service to the Department of Physiology, the Faculty of Science and the University.

Following 14 years with the Human Nutrition Group at CSIRO, Graeme was appointed Laboratory Manager of Physiology in 1976. His 20+ years in the Department of Physiology were busy and productive, seeing major changes at all levels of the University. These include the increasing importance of information technology in Universities, a revolution in the techniques used in biomedical research, many changes to the funding models and accounting systems for academic Departments, the replacement



Graeme Langsford with his wife Prue and "This is Your Life" presenter Associate Professor Garry Scoop. Photo courtesy of Physiology.

of traditional practical teaching with more innovative approaches, and the more recent expansion of the Department's teaching load and staff profile. Graeme has worked extraordinarily hard to meet all of these challenges, and has been an invaluable member of the Department's staff.

Within the broader University context, Graeme has served on numerous Faculty committees and been something of a senior statesman to Laboratory Managers in the Faculty as their role has become increasingly complex.

Graeme continues to maintain an active interest in the

Department, and to provide advice in his areas of special expertise. To formalise this relationship, the Dean of Science, Professor Alastair Blake, appointed Graeme to the position of Visiting Associate and presented him with a certificate of service, signed by the Vice-Chancellor.

Refreshments followed the formalities, with much of the appreciative crowd staying on to help Graeme celebrate his retirement.

All of Graeme's colleagues and the many friends he made during his time at the University wish him all the very best for the future.

MONDAY 19 APRIL

1.00pm Microbiology & Immunology Seminar: The antibody response in the human infant by Professor Heddy Zola (Child Health Research Institute). Departmental Library, 5th Floor, Medical School South.

TUESDAY 20 APRIL

12noon Child Health Research Institute Seminar: The Endothelium and Inflammation by Professor Mathew Vadas (Human Immunology, IMVS). Seminar Room, 7th Floor, Rieger Building, WCH.

1.10pm Anatomical Sciences Seminar: Widespread Axonal Injury in Missile Head Injury by Dr Barbara Koszyca (Pathology). Room S127, Medical School, South Wing.

WEDNESDAY 21 APRIL

4.00pm Physiology Seminar: Mast cells in the skin as mediators of immunomodulation following exposure to UV radiation by Professor John Finlay-Jones (Microbiology & Infectious Diseases, Flinders Medical Centre). Room N416-417, Level 4, Medical School North.

THURSDAY 22 APRIL

12noon HCCR/IMVS Seminar: Cross-presentation: A mechanism for CTL priming and tolerization to peripheral antigens by Associate Professor Frank Carbon (Pathology &

COMING EVENTS

April 19th — 30th April

Immunology, Monash Medical School). Vercò Theatre, IMVS.

1.00pm Chemical Pathology Seminar: Regulation of mRNA Stability by Dr Greg Goodall (Head, Cytokine Research Laboratory, Hanson Centre). Seminar Room 1, 4th Floor, Clarence Rieger Building, WCH.

FRIDAY 23 APRIL

1.10pm Elder Conservatorium Lunch Hour Concert: David Rumsey - organ. All JS Bach program. Elder Hall. Admission \$2.

1.15pm Inaugural Lecture Series: Treatment of Angina Pectoris - Blood or Drugs by Professor John Horowitz (Cardiology). Lecture Theatre 102, Napier Building.

TUESDAY 27 APRIL

3.15pm Anthropology Seminar: From Local Space to Tourist Space: Accommodating the Global in the Place of the Local by Marko Diamantis (Anthropology). Room 722, 7th Floor, Napier Building.

WEDNESDAY 28 APRIL

10.10am Electrical & Electronic Engineering Seminar: Support Vector Machines: A New Paradigm in Classification and Regression by Dr

David Crisp (Postdoctoral Fellow). Lecture Room S112, Engineering South.

1.10pm Genetics PhD Proposals: Deborah Coates, Gabrielle Samuel and Janet Wong. Seminar Room, Ground Floor, Fisher Building.

1.10pm Student Workshop: Managing Panic Attacks by Debra Richards. Counselling Centre, Ground Floor, Horace Lamb Building.

1.10pm Geology & Geophysics Seminar: Crustal Evolution of the Gawler Craton by Dr Kathy Stewart. Mawson Lecture Theatre, Ground Floor, Mawson Laboratories.

4.00pm Physiology Seminar: The dynamic ovarian follicular epithelium and its basal lamina by Dr Ray Rodgers (Medicine, Flinders Medical Centre). Seminar Room N416-417, Level 4, Medical School North. Sponsored by Powerlab/AD Instruments.

4.30pm Environmental Biology Seminar: Prevalence and pathology of multiparasite infections by Dr Trevor Petney (University of Heidelberg). Benham Lecture Theatre, Ground Floor, Benham Building.

THURSDAY 29 APRIL

12noon HCCR/IMVS Seminar: The molecular basis of cytokine receptor activation: lessons from activating mutants by Dr Richard D'Andrea (Immunology, HCCR). Vercò Theatre, IMVS.

12.05pm Psychology Seminar: Human factors research and engineering for the military by Dr Jeremy Manton (DSTO). Room 527, Hughes Building.

1.00pm Chemical Pathology Seminar: Some Obstetric Metabolic Mysteries by Dr Bill Hague (Obstetrics, WCH). Seminar Room 1, 4th Floor, Clarence Rieger Building, WCH.

FRIDAY 30 APRIL

1.10pm Elder Conservatorium Lunch Hour Concert: Gil Sullivan - piano. All Chopin program. Elder Hall. Admission \$2.

1.15pm Inaugural Lecture Series: Fluid Dynamics and the Living Cell: where engineering and biology meet by Professor Eric Dunlop (Chemical Engineering). Lecture Theatre 102, Napier Building.

1.30pm Social Inquiry Seminar: The gendered conditions of health, problems and possibilities in working life and family life by Anne Hammarström (Women's Studies Centre, University of Sweden). Seminar Room, 3rd Floor, Pulteney Towers (cnr Pulteney St & North Tce). All welcome.

3.30pm Agronomy & Farming Systems Seminar: Estimation of the least limiting water range in texturally contrasting soils by Stanley Semetsa (Soil Science/AFS). Seminar Room, Agronomy & Farming Systems, Roseworthy Campus.

4.00pm Obstetrics & Gynaecology Seminar: How you can know if it's a girl or a boy and if it is healthy by Dr Nicole Hussey (QEH). Seminar Room, 6th Floor, Medical School North.

SITUATIONS VACANT

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

HUMAN RESOURCES PROJECT OFFICER

(Ref: 3617)

Human Resources

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

To work as a member of the Organisational and Policy Development team. The Human Resources Project Officer will participate in a range of short term and ongoing projects.

Currently these include projects relating to the review and development of HR policy, the development of an HR plan for the University, enterprise bargaining and administrative skills traineeships. In addition the Project Officer will be the "Webmaster" for the Human Resources WWW site.

The Project Officer will also be expected to undertake research on a range of HR related topics, using the WWW as the major resource and to provide written reports and analysis, as a result of this research.

You should have:

- high level organisational, interpersonal and communication skills
- high level technical competence in relation to WWW page design, site construction and site maintenance
- proven coordination and liaison skills
- current knowledge of computer software and systems applicable to WWW site development
- knowledge of strategic human resource issues facing the University.

This continuing position is available from 1 July 1999. Further details from Bill Aukett, tel: 8303 4642, email: <bill.aukett@adelaide.edu.au>. Duty statement and selection criteria tel: 8303 5666.

*APPLICATIONS Mr B Aukett, Manager Organisation and Policy Development, Human Resources, University of Adelaide, Australia 5005, by 27 April 1999.

ADMINISTRATIVE ASSISTANT (Ref 3039)

Secretariat, Office of the Vice-Chancellor

F/t Salary HEO3 \$26,725 - \$30,467

To provide clerical support to the Secretariat. This involves support

for Council and associated committees including Academic Board, Vice-Chancellor's Committee and ethics committees. Duties will include assisting in the preparation and distribution of meeting documents, word-processing, typing of oral dictation, enquiries, database entry, preparation of web pages, and assisting with financial records together with related duties as required.

You should have:

- excellent interpersonal skills, oral and written communication skills, organisational and clerical skills
- excellent word-processing skills
- ability to type oral dictation and proof read documents
- ability to use initiative and judgement
- ability to work as part of a team.

This continuing position is available from 1 July 1999, 44.1 hours per fortnight. Further details Tupp Carmody, tel: 8303 4194, fax 8303 4407 or e-mail: <tupp.carmody@adelaide.edu.au>.

*APPLICATIONS to Ms Susan Graebner, Acting Director, Executive Services, Office of the Vice-Chancellor, University of Adelaide, Australia 5005 by 27 April 1999.

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

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

SENIOR LECTURER

(Ref: 4079) (Tenurable)

Department of Medicine, North Western Adelaide Health Service and

The Queen Elizabeth Hospital

Salary: \$59,332 - \$68,415** + Clinical loading of \$15,929

The Queen Elizabeth Hospital is a major teaching Hospital of the University of Adelaide and is amalgamated with the Lyell McEwin Health Service.

The successful applicant will be expected to play an active role in clinical medicine in the Hospital's Division of Medicine and research in the University Department of Medicine. In addition, the successful applicant must participate actively in

undergraduate and postgraduate teaching, curriculum development, as well as participate in the provision of clinical services within the Division. The Department teaches medical students during the third, fourth, fifth and sixth years of the course in a curriculum which emphasises patient contact, bedside teaching, problem-based and self-directed learning techniques. The position entails coordinating the fourth year student examination.

You should have:

- a medical degree registrable in South Australia as a physician
- a higher degree, MD or PhD
- demonstrated track record in research.

Provision is made for private practice in accordance with the University's rules relating to the practice of a discipline.

**We provide a salary supplement as specified by the South Australian Health Commission.

The position is available from 1 July 1999. Further details from Professor Richard Ruffin tel: 8222 6740 or fax: 8222 6042.

APPLICATIONS to the General Manager, Human Resources, University of Adelaide, Australia 5005, by 1 May 1999.

MIS2001 PROJECT

STUDENT ADMINISTRATION SYSTEM

Implementation Team Members - up to 8 positions

The University has embarked on the implementation of a PeopleSoft enterprise software solution in the areas of Human Resources, Finance, Student Administration and Research. The implementation will be a joint exercise between University personnel and Ernst & Young who have been engaged as implementation partners to provide project management, software and technical expertise. The University team will consist of a core group of officers for the duration of the project, with others being coopted from time to time to provide specialist expertise.

We are seeking to fill the core positions in the Student Administration project team. The responsibilities of the positions will be varied but will all be related to the investigation and documentation of existing processes and procedures involved in the delivery of student services and their translation to the PeopleSoft environment. Applicants who are successful in being appointed to positions at the higher classifications will be

responsible for the more complex areas in the implementation, commensurate with their skills and experience.

Appointments may be made in the following classifications depending on the qualifications and experience of applicants:

(Ref: 4102) HE04: \$30,737 - \$33,808

(Ref: 4103) HE05: \$34,610 - \$38,619

(Ref: 4104) HE06: \$38,751 - \$41,959

(Ref: 4105) HE07: \$42,760 - \$47,973.

The positions will suit enthusiastic applicants who relish working in a busy, vibrant team environment and have:

- experience in the operation of systems or delivery of services in a student-focused higher education environment
- good investigation, research and problem solving skills
- good written and verbal communication skills
- the ability to organise a variable workload and meet deadlines in a time-critical environment
- the ability to exercise initiative effectively whilst being responsive to direction and advice
- a good knowledge of the operation of the Microsoft suite of business application packages, particularly Word and Excel.

The positions are available until March 2001 in the first instance. The opportunity for employment beyond this date will be dependent on decisions concerning a second phase for the project. Details from Shirley Pearce, tel: 8303 6159 or fax: 8303 4400.

*APPLICATIONS to Mr Richard Arrowsmith, MIS2001 Project Director, University of Adelaide, Australia, 5005, by 27 April 1999.

SYSTEMS SPECIALIST

(Ref: 8897)

Information Technology Services (ITS)

Salary HEO7: \$42,760 - \$47,973

To administer UNIX-like computer systems and network services within the Systems and Networks Services section of ITS. The section supports a large number and variety of computer systems and a multi-protocol data network across four campuses of the University of Adelaide.

The appointee can anticipate the opportunity to gain Microsoft Windows NT Server administration skills and some exposure to configuring Cisco routers. You will also be involved with recent and continuing advances in Internet technologies through the University's early deployment of new technology.

You should have:

- a relevant tertiary qualification or equivalent industry training, together with relevant experience
- strong technical knowledge of Unix operating systems
- previous experience in systems administration in support of a network of Unix systems.

This continuing position is available from 1 May 1999. Further details Mr Tarmo Rohtla, tel: 8303 5669, email: <tarmo.rohtla@adelaide.edu.au> or see <http://www.adelaide.edu.au/ITS/jobs/sys.html>.

*APPLICATIONS to the Director, Information Technology Services, University of Adelaide, Australia, 5005 by 23 April 1999.

PROJECT OFFICER AND REVIEWS OFFICER

(Ref: 4016/4088)

Office of the Deputy Vice-Chancellor (Education)

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

The Project Officer and Reviews Officer will both provide high level support to the Deputy Vice-Chancellor (Education) through the Senior Executive Officer. The Project Officer will be primarily responsible for the day to day administration of various ad hoc major projects, and will be required to provide administrative support to various committees and working parties, to conduct research and to compile reports. The Reviews Officer will provide a full range of administrative support to departmental, disciplinary and other review groups responsible for assessing aspects of the performance of University activities.

You should have:

- high level administrative and organisational skills
- ability to collect, analyse and interpret information
- excellent interpersonal skills and the ability to communicate effectively with other staff
- ability to use initiative in problem solving and to work without close supervision when required
- demonstrated proficiency in the use of desktop computers and an appropriate range of software applications.

Both continuing positions are available immediately. Further details from Gary Martin, tel: 8303 5901. Applicants may apply for either or both positions.

*APPLICATIONS to the Senior Executive Officer, Deputy Vice-Chancellor (Education)'s Office, University of Adelaide, Australia 5005, by 30 April 1999.

RESEARCH OFFICER

(Ref: 4109)

Dept of Environmental Biology

Salary HEO5/6: \$31,803 - \$41,959

We are looking for a person interested in combining Research and Development work in a commercial diagnostic laboratory with work in a basic research laboratory. The R&D component is an ARC SPIRT project to develop non-invasive RT-PCR based methods of detecting viral disease in laboratory animal housing facilities. The position will involve handling laboratory animals, performing elementary molecular biology techniques and the ability to work in a team. This work will be performed at the IMVS laboratories at Gilles Plains. The basic research laboratory work, based in the Department of Environmental Biology, University of Adelaide, will involve training in allozyme electrophoresis and involvement in various projects in Parasitology.

You should have:

- a degree in biological science or equivalent
- sound understanding of PCR, electrophoresis and general biochemical laboratory maintenance
- willingness to handle animals.

EMPLOYMENT INFORMATION

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

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

NOTICE TO APPLICANTS: The University notifies applicants that the following vacancies for Higher Education Officers (HEO) with the reference numbers as stated have been filled and

thanks them for their interest: 3717 HEO3, Dental School; 9788 HEO5/6, Plant Science; 3733 HEO7, University Libraries; 3876 HEO4, CRC for Molecular Plant Breeding, Plant Science; 3885 HEO2, CRC for Weed Management; 3841 HEO4, Theatre Guild.

HUMAN RESOURCES DEADLINES FOR ADELAIDEAN

For the *Adelaidean* of 17 May, advertising paper work must be to Human Resources by 30 April.

For the *Adelaidean* of 31 May, advertising paper work must be to Human Resources by 14 May.

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

The position is available immediately for twelve months initially. Further details Dr Rhett Swanson; tel: 8261 1033, fax: 8261 2280 or email: <rswanon@microb.adelaide.edu.au>.

***APPLICATIONS** to Dr R Swanson, Department of Microbiology and Immunology, University of Adelaide, Australia 5005, by 27 April 1999.

RESEARCH PROJECT COORDINATOR/

BACHELOR OF HEALTH SCIENCES

ADMINISTRATIVE OFFICER (Ref: 4092)

Medical School

F/t Salary HEO5: \$34,610 - \$38,619

The Research Project Coordinator is responsible for the administration of the Research Project subject which fourth year medical students undertake. As the Administrative Officer you will also support the administration of the Bachelor of Health Sciences degree course. The duties of this dual role position will include preparing handbooks, rostering students, responding to student enquiries and servicing committees.

You should have:

- knowledge and understanding of research design and methodologies with previous experience working in a research environment
- effective interpersonal and negotiation skills
- excellent organisational skills.

This continuing position is available immediately on a 36.75 hours per fortnight basis. Further details from Ian Carman, Medical School Registrar, tel: 8303 4085.

***APPLICATIONS** to the Medical School Registrar, Medical School, University of Adelaide, Australia 5005, by 27 April 1999.

FACULTY OF HEALTH SCIENCES AND THE MEDICAL SCHOOL

The Faculty of Health Sciences seeks team oriented individuals to undertake several key positions within the Faculty.

ADMISSIONS AND ENROLMENTS OFFICER (Ref: 2898)

Salary HEO5: \$34,610 - \$38,619

To support the administration of the Medical and Dental Admissions process for the Faculty. The appointee will also assist with other aspects of the Faculty's student administration such as enrolments, maintaining databases and updating brochures/publications for medical, nursing and health sciences students and courses.

You should have:

- excellent organisational skills
- previous experience in a coordinating role
- high order proficiency with various software packages and adeptness in data manipulation
- effective interpersonal and negotiation skills.

This continuing position is available immediately.

COMMITTEE SECRETARY (Ref: 3388)

Salary HEO 4: \$30,736 - \$33,808

To support several committees related to Curriculum and Research matters within the Medical School and the Faculty of

Health Sciences. The appointee will be required to undertake the range of administrative duties associated with servicing a committee.

You should have:

- an ability to write fluently and high level oral and written communication skills
- a sound working knowledge of computers
- an ability to cope with competing demands within fixed deadlines.

This continuing position is available immediately.

Further details from Ian Carman, Medical School Registrar, tel: 8303 4085.

***APPLICATIONS** to the Medical School Registrar, Medical School, University of Adelaide, Australia 5005, by 27 April 1999.

COMPUTING ASSISTANT (Ref 4091)

Department of Applied and Molecular Ecology

Waite Campus

Full-time Salary HEO4 \$30,736 - \$33,808

To provide a computing service to

the Department, including the installation and demonstration of computer software to staff and students.

You should have:

- demonstrated experience in both Macintosh and PC computing platforms
- ability to install and demonstrate microcomputer software and hardware to users in the Department
- demonstrated ability to provide advice on general computing matters to staff and students
- demonstrated ability to keep abreast of computing innovations and assist with the development and improvement of computing systems for specific applications.

This continuing position is available from 1 July 1999 on a 36.75 hours per fortnight basis.

Further details from Terry Feckner, tel: 8303 7261, or Dr Gary Taylor, tel: 8303 7264.

***APPLICATIONS** to Professor O Schmidt, Head, Department of Applied and Molecular Ecology, Waite Campus, PMB 1, Glen Osmond, SA 5064 by 27 April 1999.

GENERAL NOTICES

Professional & Continuing Education Courses

Courses below are offered through Professional and Continuing Education. Please call 8303 4777 or email <conted@oce.adelaide.edu.au>.

LEADERSHIP AND MANAGEMENT SERIES

Managing Performance: Tues 20 April (9am - 4.30pm). Cost: \$165.

Managing the Challenge of Change: Tues 4 May (9am - 4.30pm). Cost \$165.

PROFESSIONAL & PERSONAL ASSISTANT PROGRAM

Keeping the Office Going - Part 1: Wed 21 April (9am - 12.30am). Cost: \$95.

Keeping the Office Going - Part 2: Wed 5 May (9am - 12.30pm). Cost \$95.

COMPUTER SKILLS

Creating and Administering a Small Web Site: Thurs 22 April (9am - 12.30pm). Cost: \$95.

Microsoft Word - Advanced: Fri 23 April. Cost: \$165.

Excel - Intermediate: Wed 28 April (9am - 4pm). Cost \$165.

OCCUPATIONAL HEALTH & SAFETY

Introduction to Radiation Protection: Fri 23 April (9am - 1pm). Cost: \$25.

Senior First Aid Certificate: 3, 10, 24 May, 1, 7, 21 June (9am - 12noon) (6 sessions X 3hours). Cost \$160.

PROFESSIONAL AND PERSONAL DEVELOPMENT SERIES

Doing More with Less: Wed 28 April (9am - 4.30pm). Cost: \$165.

Rapid Reading Strategies: Fri 30 April & Fri 7 May (9am - 1pm). Cost \$165.

Investigator Centre Sponsors Evening

As a Major Sponsor of the Investigator Science and Technology Centre, the University receives tickets to the Centre's regular sponsors' evenings. These are available to University staff and their families through the Public Relations & Marketing Office.

The next evening features the new exhibition - WHAT? New Explorations. This hands-on science extravaganza covers themes such as Energy, Perception, Sound & Music and Fluids. Visitors can make a falling drop hang in the air, play a song with lasers, become a refrigerator and have fun with many principles of science

The sponsors' evening is on Thursday 22 April, from 6.00pm - 8.00pm. Tea, coffee, cordial and biscuits will be provided.

To obtain tickets please contact Pue-San Ng, PR & Marketing Office, ext 35174.

First come, first served. Limit 4 tickets per person.

HERITAGE in the Twentieth Century

MULTICULTURALISM and MODERNIST ARCHITECTURE

Free public lecture at the Nova Cinema, 251 Rundle Street, Adelaide, 19 & 21 April, 1.00pm - 2.00pm

Heritage South Australia and the National Trust (SA) present public lectures on heritage in the twentieth century. How has modernist architecture and post World War II migration changed our built environment? What should we save from the twentieth century?

19 April: Multicultural Heritage in the Twentieth Century by Viv Szekeres (Director, SA Migration Museum) and Ben Yengi (Community Relations Officer, University of Adelaide).

21 April: Modernist Architecture and Heritage by Donald Johnson (Architect) and Sean Pickersgill (Lecturer, Architecture, UniSA).

BYO Lunch. For further information contact Fran Stropin, Heritage South Australia, tel: 8204 9243 or email: <fstropin@dehaa.sa.gov.au>.

UNIVERSITY OF SOUTH AUSTRALIA & THE UNIVERSITY OF ADELAIDE

South Australian Centre for Rural and Remote Health Supported by the Commonwealth Department of Health & Aged Care

RESEARCH FELLOW

South Australian Centre for Rural and Remote Health

\$47,946 to \$56,936 per annum, 3 year fixed term contract, Whyalla Campus

A full time position for a Research Fellow is being offered for a three (3) year fixed term at the South Australian Centre for Rural and Remote Health (SACRRH) Whyalla. The position will provide support for and report to the Head of Centre SACRRH based at the Whyalla campus.

The SACRRH is one of seven university departments of rural health located around Australia encompassing four directorates. These are Public Health, Education & Training, Clinical Services and Information Technology, and Aboriginal Health. SACRRH is supported by the Commonwealth Department of Health & Aged Care.

Specific duties include:-

- Conduct research either as a member of a team or independently, and the production of conference and seminar papers and publications from that research.
- Contribute to the preparation, or where appropriate, individual preparation of research proposal submissions to external funding bodies
- Supervision of research support staff involved in the staff member's research.

Essential selection criteria include: -

- A masters degree in health science or related discipline or equivalent skills and knowledge
- Demonstrated high level of ability in conducting reviews of literature and in the collection and analysis of both quantitative and qualitative data.
- Highly developed interpersonal, organisational and communication skills.
- Ability to travel by road and air to rural and remote locations is required.

Further enquiries: Professor David Wilkinson, Head of Centre, South Australian Centre for Rural and Remote Health (SACRRH) Whyalla, tel: (08) 8647 6089, fax: (08) 8647 6164, e-mail:<david.wilkinson@unisa.edu.au>.

Applications close 5.00 p.m. Friday 30 April 1999.

Applications for the this vacancy will be considered only from members of the staff of the University of South Australia and the University of Adelaide.

The University of Adelaide and University of South Australia are Equal Opportunity Employers. The Universities have a policy of no-smoking in the work environment and will require the appointees to observe this. The South Australian Centre for Rural and Remote Health reserves the right to appoint or not appoint at the stated level.

Public Lecture

Professor Raoul Bott (Harvard University) will give a public lecture entitled: *Shape in Mathematics and Physics* at 12.05pm on Thursday 22 April 1999 in the Kerr Grant Lecture Theatre. All welcome.

Further details of this lecture are available at the website: <<http://www.maths.adelaide.edu.au/Pure/vmathai/bott.html>>. Enquiries to <vmathai@spam.maths.adelaide.edu.au>.

FREE WORKSHOP

A complimentary workshop, at the University of Adelaide, will present guest speakers from the meetings industry that will provide accurate, up to date and relevant information covering key considerations for hosting a conference.

The range of topics will include:

- Securing a conference for your university
- Distributing the conference workload
- Planning a social program
- Preparing a sponsorship proposal
- Working with a professional conference organiser (PCO)
- Saving time and money by using the complimentary support available from ACTA.

This free seminar will be hosted by Conferences on Campus and be followed by drinks and the opportunity to speak directly with guest speakers about your upcoming conferences.

5.30pm - 7.30pm (followed by drinks) Wednesday 28 April 1999, North Dining Room, Level 4, Union House.

RSVP: ACTA 8212 4794 or email: <lyndal@acta.com.au>.

Art Collectors take note

The University of Adelaide Art Collection has been recently approved by the Committee on Taxation Incentives for the Arts to participate as a recipient institution in the Cultural Gifts Program which operates under Section 30-15 of the Income Tax Assessment Act 1997.

This means that taxation deductions are now available for private collectors making donations of significant works of art to the University's Art Collection. Donations must be accompanied by at least two valuations of the current market value, provided by approved valuers.

Please contact me for further information and relevant forms and list of approved valuers.

JOHN PERKINS
Curator, University Art Collection

Promotion of the University's Research

The University Research Committee has decided to establish a Working Group to identify better ways of promoting the University's research strengths and achievements.

Anyone who has suggestions in this regard or who is interested in joining the Group is invited to contact Janet Dibb-Smith, Director of Research Policy and Support by email <janet.dibbsmith@adelaide.edu.au> by 27 April 1999.

Research Branch Update

Strategic Partnerships with Industry - Research and Training (SPIRT) Scheme

Applications for funding under this scheme in 2000 close in the Research Branch on Tuesday 27 April. The scheme is designed to encourage and develop long-term strategic alliances between higher education institutions and industry through collaborative projects, Fellowships and postgraduate Scholarships.

Application forms, guidelines and instructions are available on the Research Branch web site and further information may be obtained from Vada Osborn on extension 33387.

Research Infrastructure (Equipment and Facilities) Program - 2000 grants: deadline for draft applications

Intending applicants for funding under the RIEF program in 2000 are required to submit a draft

application by Friday 23 April for consideration at a meeting of the Deputy Vice-Chancellors (Research) of the three South Australian universities which will determine the institutional contributions to be allocated to each proposal. The draft must include the completed application form and a one-page outline of the proposed budget, including the expected contributions of each of the institutions involved.

The application form and guidelines and a report on the allocation of grants for 1999 are available through the Research Branch web site. Enquiries should be directed to Vada Osborn on extension 33387.

This program funds relatively large scale initiatives (in excess of \$100,000) to develop research infrastructure on a cooperative basis across groups of institutions or the higher education system as a whole, or with organisations outside the system. Funding is for one year only and approximately \$19.6 million will be available in 2000.

ARC Small Grants Scheme 2000 - Preliminary Information

It is expected that the guidelines and application forms for ARC Small Grants Scheme (SGS) funding in 2000 will be available in mid-May. The Deputy Vice-Chancellor (Research) [Professor Ross Milbourne] and the SGS panel chairs will present two Information Sessions about the scheme at 1pm on Thursday 20 May (North Terrace) and Friday 21 May (Waite campus), particularly for new staff or first time applicants.

Applications for SGS funding in 2000 will close on Monday 16 August 1999. Expressions of interest from staff who are interested in appointment to the Discipline Panels will be invited shortly. Contact Cyril Brown (extension 33534) for information.

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

RESEARCH AND SCHOLARSHIPS AND OTHER FUNDING SCHEMES

Research Grants and 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 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 the Research Branch, ext 35137; or email <louise.moore@adelaide.edu.au>.

Sponsored Programs Information Network (SPIN): SPIN Australia - A database containing current and comprehensive information on over 2,600 government and private funding opportunities. The SPIN web site is accessible via the Research Branch web site.

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

Department of Agriculture, Fisheries and Forestry - Australia (National Offices of Animal and Plant Health and Food Safety): Wildlife and Exotic Diseases Preparedness Program - 1999/2000 Project Proposals: Internal closing date: 23 April 1999. U6/99

Emergency Management Australia (EMA) - 1999/2000 Australian Disaster Research Grants: Internal closing date: 23 April 1999. U5/99. Web site: <<http://www.ema.gov.au/ausgrants.htm>>.

National Library of Australia - Harold White Fellowships: Internal closing date: 23 April 1999. U4/99. Web site: <www.nla.gov.au/1/gencoll/fellows.html>.

Sylvia & Charles Viertel Charitable Foundation - 1999-2000 Senior Medical Research Fellowships and Establishment Grants for Viertel Clinical Investigations: Internal closing date: 23 April 1999

Heart Foundation - Grants-In-Aid for Research (Biomedical and Education/Health Promotion): Internal closing date: 23 April 1999. U4/99

Northern Territory Government / Department of Corporate and Information Services: Northern Territory History Awards '99: Internal closing date: 23 April 1999. U5/99

Ian Potter Foundation and Ian Potter Cultural Trust - Grants: Internal closing dates: 26 April, 26 July & 25 October 1999. U2/99

Australian Research Council - Strategic Partnerships with Industry-Research and Training (SPIRT) Scheme: Internal closing date: 27 April 1999. U4/99

Juvenile Diabetes Foundation Australia - 1999 Travel Grants for Young Researchers: Internal closing dates: 6 May, 5 August and 4 November 1999. U23/98

National Health and Medical Research Council - R Douglas Wright Awards for 2000: Internal closing date: 7 May 1999. U6/99

Anti-Cancer Foundation of SA - Research Grants-In-Aid 2000: Internal closing date: 13 May 1999. U5/99

Multiple Sclerosis Australia - Project Grants and Postdoctoral Fellowships for 2000: Internal closing date: 14 May 1999. U3/99

Australian Brewers' Foundation - Alcohol-related Medical Research Grant Scheme 1999-2000: Internal closing date: 14 May 1999. U4/99

National Cancer Institute - Cancer Survivorship Studies in Established Epidemiologic Cohorts: Internal closing date: 18 May 1999. U7/99. Further details are available from: <<http://www.nih.gov/grants/guide/pa-files/PA-98-027.html>>. Grant application form (PHS 398) is available from: <<http://www.nih.gov/grants/forms.htm>>.

National Cancer Institute (USA) - Molecular and Cellular Biology of Metastatic Tumor Cells: Internal closing date: 18 May 1999. U7/99. Details from: <<http://www.nih.gov/grants/guide/pa-files/PA-98-029.html>>.

Scholarships

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

Adelaide Enterprise Scholarships: Open to graduates, final year, honours or postgraduates wishing to apply for the University's 12 month program, Business Initiatives from Graduates (BIG) Program, commencing mid-January 2000. Applicants must have an innovative idea which they believe they could successfully develop into a business venture. Value: \$16,135pa. An Information Evening will be held on Wednesday 5 May. Details Kankana McPherson, tel: 8303 4468. Closing: 1 June

Aileen & Bert Kollosche Scholarship for the Study of Australian Flora: Open to Australian citizens or permanent residents who are full-time postgraduates or honours students undertaking study relevant to the cultivation and/or preservation of Australian flora. Value: \$1,500pa. Closing: 15 April (Scholarships)

AR Riddle Scholarships: Open to honours students in financial need. Further details available from the Student Union Office, ext 35430. Applications available from Chris Gent, Student Union Office, or Anne Witt, Graduate Studies and Scholarships Branch, ext 35271. Closing: 30 April (Scholarships)

City of West Torrens Max & Bette Mendelson Foundation Undergraduate Scholarship: Open to Australian citizens who are residents of the City of West Torrens for at least one year at time of application, and who are studying on a full-time basis in any degree or diploma course at the University of Adelaide, Flinders University or the University of South Australia. Tenable for one year. Closing: 16 April (City of West Torrens Council)

Constantine Aspromourgos 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)

Hosei University Foreign Scholars Program: Tenable for 6-12 months, to holders of a Masters or equivalent. Fields of study include humanities, social or natural sciences, engineering. Closing: 31 May (Japan)

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

National Heart Foundation Postgraduate and Vacation Scholarships: Postgraduate scholarships, medical and non-medical, for full-time research leading to a PhD at an Australian university. Vacation Scholarships provide opportunities to participate in research projects which are broadly related to the cardiovascular function. Closing: 8 September - Vacation Scholarships; 25 October - Non-medical; 26 May - Medical (Scholarships)

Queens Trust for Young Australians Awards: Value: up to \$15,000. The Trust offers grants to promote the pursuit of excellence and encourages the development of high achievement. Details Vee Noble, 8339 3173 or <<http://www.ozemail.com.au/queens>>. Closing: 30 April

Russian Scholarships: Available for full-time study and for postgraduate study at a Russian university. Value: RUR83,49 per month (undergrad), RUR417,45 per month (postgrad). Closing: 15 May (Russia)

Southcorp Wines Scholarship: Open to full-time honours students majoring in viticulture. Value: \$8,000. Closing: 30 April (Scholarships)

William Donnithorne Awards: Awarded to one medical student who has completed at least one full year of the MBBS, and 1 law student who has completed at least 2 years of tertiary study, including a minimum of 8 points of law subjects. Awards will be based on academic merit and financial need. Closing: 30 April (Scholarships)