

# Adelaidian

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News from Adelaide University

November 2001

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## Breath testing to benefit racing

### Hi-tech studies lead to breakthroughs in horse health problems

**THE health of horses—and the economic health of the racing industry—are of major importance in two new studies at Adelaide University's Roseworthy Campus.**

One of the studies involves breath testing horses, while the other proposes a new technique to help horses recover from serious injury.

Both have resulted from biotechnology-based research in the horse husbandry programs at Roseworthy, and both are grabbing attention in racing circles across Australia.

Inflammatory Airway Disease (IAD) is a lower respiratory tract disease that causes particular problems in the horse racing industry.

Studies have found that anything up to 50% of thoroughbred and standardbred racehorses in training suffer from the disease. However, the lack of overt symptoms that accompany it, other than a general poor performance on the track, means the disease often goes unnoticed.

Previous research has shown that hidden inflammatory disease in the lower airways may also predispose a horse to clinical disease later in life.

Current diagnostic techniques are invasive, time-consuming and limited in their ability to detect lower airway disease.

But a new "breath testing" technique could change all that.

Honours student Belinda Argent, under the supervision of Dr David Tivey, has conducted trials of new testing procedures for IAD in horses, the results of which are eagerly awaited by veterinarians and trainers alike.

Ms Argent's study postulates that particular components of the breath expired by horses could be used as a direct marker of inflammatory disease occurring in the lungs.

"If this is proven to be the case," said Ms Argent, "it is expected that the test will not only be more sensitive diagnostically in the early stages of the disease, but also more readily accepted and utilised by trainers which will, in turn, hopefully be more effective in reducing the degree of damage caused by IAD in the horse racing industry."

The "breath test" method is stress-free for the animal and easily administered, using a simple bagging technique to trap breath and extract samples with a syringe for

laboratory testing.

Trials have been conducted at Sydney's metropolitan racetracks and on racehorses stabled at the University's Horse Unit on Roseworthy Campus, in conjunction with Sydney University veterinarians.

"Respiratory disease is second only to musculoskeletal disease as a cause of serious economic loss to the racing industry through reduced performance, lost training days and premature retirement from the racetrack," said Ms Argent.

"A technique that is easily used, inexpensive and non-invasive could have an enormous impact, improving health and leading to a major reduction in lost performance."

Meanwhile, a patent is pending for a new technique using Insulin Growth Factor 1 (IGF-I), also known as Tendotrophin, to improve recovery of serious tendon injury in performance horses, as a result of research undertaken by Dr Robyn Woodward, Program Leader in Equine Studies, and colleague Dr Simon Humphrys, a research scientist at South Australian biotechnology company GroPep.

Dick Francis once wrote that the equine tendon is as sensitive as a violin string. Tendon injuries are notoriously slow to recover and difficult to treat.

But new procedures resulting from Dr Woodward and Dr Humphrys's research may now mean a damaged tendon is not automatically the end of a promising career.

The new method involves the injection of IGF-I twice, commencing a week after the initial injury is sustained. The product is injected into the core lesion, its position determined by diagnostic ultrasound.

The study showed that tendons treated with IGF-I had a significantly higher percentage of collagen-I fibres, the strongest collagen fibres in the tendon, over the control group. Dr Woodward said this meant a shorter recovery time and potential to improve overall recovery.

"The use of Tendotrophin has been shown to improve the quality of repair," said Dr Woodward.

"Provided that appropriate conditioning principles are followed, the product allows horses that have shown athletic promise before they incurred the injury to return to racing."

—Lee Welch



ABOVE: Student Belinda Argent demonstrates the horse "breath testing", which could lead to better detection of respiratory disease in horses. Photo: Ben Osborne.

RIGHT: Many aspects of horse anatomy and physiology are considered as part of research and teaching at Roseworthy Campus.



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# At the top of the world: Siberia conquered

**ADELAIDE science student and self-proclaimed adventurer Ben Kozel has become one of the first people in the world to row the entire length of the Yenisey, the world's fifth-longest river.**

*He completed the journey with his team-mates, Canadians Colin Angus and Remy Quinter, and fellow Aussie Tim Cope, late in September. Here is the last part of his account of the journey, completing the story told in previous issues of the Adelaidean.*

For me, our wooden rowboat journey north through Siberia became as much a tapestry of people and customs as a battery of physical routine and challenge. The Yenisey not only split Siberia into west and east, it exposed a neat cross-section of life in Russia as a whole.

Site of the most powerful hydroelectric dam on earth, Bratsk was also home to a man named Vladimir. Within hours of our arrival, this suave Russian businessman had gathered us into a very different world. A seven-tonne Chevrolet, complete with bullet-proof windows and bodyguard escort, chauffeured us between the sights of his beloved city. We toured the dam and the gigantic aluminium smelting plant. We met the resident women's judo world champion, and spoke to bright-eyed youngsters at a martial arts training camp.

Despite our scruffy looks, we dined in exclusive restaurants (serving only dishes made from local ingredients) and were honoured guests of Vladimir's nightclub—the first in Siberia. We even frolicked with a grizzly bear cub on the backyard lawn of a suburban house, sheltered from nosy neighbours by high steel fences and a smiling, rifle-clad doorman. For a grand finale, Vlad took us to the cemetery where four of his friends now lay. All had died in their early twenties. All had been slain in their homes on the same night two years earlier. This too was part of the inherent nature of big business in Russia.

Below Bratsk, we rowed the long, snaking reservoir trapped behind a third dam at Ust-Ilimsk. Dense forest lined the banks, sometimes atop sheer rocky cliffs. Little interrupted the wilderness stretching far away from either shore.

We joined Nick at his waterfront log cabin for a contrasting slice of Siberian life. He lived alone, minus electricity. In the summer, he netted fish and harvested berries. Winter days there regularly got down to 50 below zero. But the frozen, snow-dusted Taiga forest provided ample return from hunting.

Taking advantage once more of Russian flexibility and plain good spirit, our boat was painlessly delivered below the Ust-Ilimsk dam. For the first time in 900kms we rode on the back of a current. With it, however, came a rush of apprehension not felt since the days of the rubber raft flip. Locals offered warnings of wild rapids, and even a 30m high waterfall. Fanciful or not, they dashed our plans of resuming a 24-hour rowing regime and making up lost time.

The Angara here was fast flowing but



Furs offer some protection against the freezing cold.

shallow. We watched gold-coloured river grasses undulate mystically beneath us. Several times, the hull scraped bottom or bounced off rogue, submerged boulders. But the timbers held firm and we held onto an acceptable leak rate of four buckets per day. Channel markers helped with negotiating a safe route through rapids that stretched up to an incredible 2kms across river. The sheer scale of whitewater eclipsed anything I'd seen before. More amazing still were the tugboats, hauling their massive log booms through these very same thrashing waves. Not surprisingly, the rumoured waterfall never appeared.

Every day, someone in a boat would swing by and ask if we needed help. Some even threw ropes, preparing to tow us (Russians only rowed if their outboards broke down). Among the goggle-eyed fishermen who regularly lavished us with several of their catch, a pair of officials handed us WANTED posters. It seemed we shared the river with a couple of escaped prisoners. But instead of regarding our strange passage with mistrust and fear, villagers showered us with jars of wild berries and potatoes.

In the last week of August, we at last plunged into what maps state as the Yenisey River proper. And for the first time, we dealt with the issue of water pollution. Throughout Soviet times, classified plants on the upper Yenisey produced all of the Union's weapons-grade plutonium. For decades, radiation and heavy metals had seeped into the river. Residents of a beautifully historic town near the confluence talked of the increasing incidence of leukaemia, birth defects and inedible fish.



Flags raised in celebration as the team reaches the Arctic Ocean, ending their Yenisey trek. Ben is pictured second from left.



Ben takes his turn at the oars of the dory. A sunny moment in the ever-increasing cold of Siberia.

Almost everyone it seemed had lost a family member to cancer. And so, from simply dipping a cup into the Angara when thirsty, we submitted to refilling our water supplies only at the innocent streams that trickled into the Yenisey. We couldn't afford to be slowed down any further.

The race for the Arctic was on. To be at the earliest estimated date of river freeze-over, we needed to cover about 2000kms in three weeks. On the up side, we were able to once more row around the clock. Some very rare tail winds even helped out for a few days.

Settlements gradually dwindled in size and number. Leaves on the fir, larch and aspen trees accelerated in their colour change as we rapidly advanced on the Arctic Circle. By day we focused on keeping warm and indulging our ravenous appetites in between hour-long shifts at the oars. Every night, each of us rowed for two and a half hours,

kept company by the creaking oar blades, the streaks of meteors, and the ghostly shimmering of auroras.

Sometimes, the morning brought thick fog. Such fog brought several near misses with horn-blowing tugboats and walls of metal that were the barges they pushed.

We celebrated crossing 66 and a half degrees with a 'do it yourself' sauna. An enormous fire baked 12 rounded river stones to glowing red. Birch saplings were tied together as a frame and the flysheet from one of the tents stretched over this. Then as the dusk temperature plunged to zero, we doused the red-hot rocks and steamed away layers of dirt, dead skin and cares.

As mid September approached and Summer officially ended, conditions were already worse than the chilliest of Adelaide winters.

*Continued on Page 6*

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## CORRECTION

Last issue of the *Adelaidean*, in the story headlined "Secret life of first wave feminists exposed" (page 14), there was an error in paragraph five which obscured its meaning. That paragraph should have read:

"It was the sexual double standard governing heterosexual relationships that they objected to—not sex itself."

In the September issue, there was an error in one of the captions that accompanied the graduation photos (page 13). Although the photo is captioned "Asilah Yusof and husband", the photo is actually of Dr Norhayati Bt Luddin and her husband Nik.

If you find an important error in the *Adelaidean*, please do not hesitate to contact us.

# Gorgeous Kid's musical idea wins \$30,000 in HP challenge

A GROUND-BREAKING idea, using contemporary popular music to help teach children with speech and communication difficulties, is the winner of the inaugural Hewlett Packard Australia-Adelaide University Entrepreneurs' Challenge.

The \$50,000 Entrepreneurs' Challenge, sponsored by HP Australia and run by Adelaide University, was aimed at fostering innovation and commercialising ideas into sustainable businesses.

More than 20 teams competed for first prize, with each team including at least one Adelaide University student. Over the last six months, participating teams were required to conduct market research, carry out feasibility studies and draw up business plans. Industry mentors, management consultants, academics and other key supporters were also utilised by teams to help shape and refine their ideas.

The winning team was Gorgeous Kid, which devised a novel style of music that can be integrated with current speech and development techniques. "It's music and learning for those who need more time to catch up with the words and the actions," said the Creative Director of Gorgeous Kid, Andrea rieniets.

Ms rieniets, who is best known as the singer/songwriter of the chart single "Wooden Child", shared first prize with the team's other member and Business Manager, Pearl Field, a student in Adelaide University's Graduate Diploma of Business Enterprise. For their efforts, Gorgeous Kid was awarded \$30,000 in prizes from HP Australia. Gorgeous Kid also took out the People's Choice Awards.

Five teams made it through to the finals. The runners up were Paravidya (second place, with \$15,000 in prizes) and Your Future Edge (third place, \$5000). Paravidya's idea centred around a media marketing tool that inspired viewers with a thought-provoking quote, and offered an insight into the values, morals and beliefs of their clients' companies. Your Future Edge provided a self-directed process of helping people answer the four big questions: who am I, what do I want, where am I going and how will I get there?

While acknowledging the excitement of winning the first ever Entrepreneurs' Challenge in Adelaide, "The real excitement as an artist is to watch this new music art form unfold," said Ms rieniets.

"Kids are a huge music audience. We have a thrilling opportunity to design music and education to suit the concerns of kids with speech and communication challenges.

"The gift of this new music will move and inspire us all."

Norman McCann, managing director HP Australasia, said: "The standard of entries in this inaugural year indicates that there are many good business ideas waiting to be tapped. The Adelaide University Entrepreneurs' Challenge is a great opportunity for businesses to be recognised and realised in a supportive environment."

Whether or not they were part of the winning teams, the Challenge reflected well on the many Adelaide University students and graduates who took part. Of particular note was the strong showing of current and past participants in programs run by the University's Enterprise Education Group, including the Business Initiatives from Graduates (BIG) program at the Thebarton Campus. A number of students from the Master of Science and Technology Commercialisation program also reached the finals.

Challenge lead organiser and MBA student Ben Scott said the response to the competition had been fantastic. "We were thrilled not only with the number of entries that we had, but also the quality—it was very hard to pick a winner," he said.

[www.adelaide.edu.au/echallenge/](http://www.adelaide.edu.au/echallenge/)

# Adelaide cellist named performer of the year



Pei-Jee Ng.

ELDER Conservatorium of Music cellist Pei-Jee Ng has won one of the most prestigious national prizes for young classical musicians, the Symphony Australia 2001 Young Performers Award.

Ng, 17, won the prize from a competition between four finalists selected from 274 entries. He received \$7500 in cash, a \$15,000 scholarship and a trip to China to play with two of that country's most prominent symphony orchestras.

He is currently studying in the second year of a Bachelor of Music degree, and is continuing his cello studies under Janis Laurs, principal cellist at the Elder Conservatorium.

Ng has already won numerous string competitions, including the 2000 and 2001 Vada Jeffries Bach Prize, and the 2001 Piatti prize. He also reached the second round in the inaugural 2001 Hong Kong Competition for Young Asian Musicians.

In 1999, he performed concerts in Brisbane as a Recitalist in the 24th National Youth Concerto Competition, and was joint winner of the 1999 Adelaide Eisteddfod String Concerto final.

He has performed with the Australian and Queensland youth orchestras, the Queensland Conservatorium Symphony Orchestra, and as principal cellist of both the Elder Conservatorium Symphony Orchestra and the Queensland Conservatorium Chamber Orchestra.

# Architecture exhibition goes on show

FINAL-YEAR students from the School of Architecture, Landscape Architecture and Urban Design will put their works on show for the public this month.

The exhibition, called Ultraplay, will be shown at 12 Hindley St, Adelaide, from November 10-16, 12-8pm.

The works represent a diversity of talent, and include designs that not only serve a function and purpose (such as a new headquarters for the South Australian Police), but also stimulate the eye and the mind.

Pictured (right) is a design by student John Hii, one of the many that will be on display at the free exhibition.

Ultraplay will be officially launched on Friday night, November 9, with a talk by award-winning architect Kerstin Thompson. The launch is open to the public and starts at 7pm.



# New dean and professor appointed to law school

AN internationally respected academic and lawyer, Professor Gabriel Moens, has been appointed Dean of Law at Adelaide University.

He has also been appointed to the John Bray Chair of Law, and will take up both appointments in April 2002.

Professor Moens is currently Garrick Professor of Law and Director of the Australian Institute of Foreign and Comparative Law at the TC Beirne School of Law at the University of Queensland.

He has taught at undergraduate and postgraduate level at universities around the world, including Germany, Austria, Italy, the UK, the United States, Singapore, Nepal and Australia.

His areas of teaching and research are constitutional law, international commercial law, international commercial arbitration law, comparative law, European Union law and

banking law.

In 1999, he won the Australian Award for University Teaching in Law and Legal Studies.

In 1995, for his services to education, he was awarded a knighthood by His Majesty, King Albert II of Belgium.

As a legal consultant, Professor Moens has worked for many law firms in Sydney and Brisbane.

He is a member of the London-based Chartered Institute of Arbitrators and appears regularly before arbitral tribunals throughout the world.

Last year he arbitrated a major case before the International Court of Arbitration for Sports in Lausanne.

At Adelaide University Professor Moens will be responsible for rejuvenating the Law School in line with the recommendations of a review earlier this year.

Vice-Chancellor Professor Cliff Blake described the appointment as an outstanding one for the University.

"Professor Moens is an eminent international figure in the fields of legal education, research and practice," he said.

"His credentials and his track record equip him admirably for the task of managing the Law School through this period of change.

"The Adelaide University Law School has a long and distinguished history, producing graduates who have gone on to excel not only in law but in politics, business and many other fields.

"Professor Moens's mission will be to revitalise legal education at the University, initiate new programs, develop stronger links with the legal profession, and enhance our Law School's reputation as an institution of national and international standing."

—John Drislane



Professor Gabriel Moens.

# TASTING AUSTRALIA

**ADELAIDE University was hot and happening as part of its involvement with Tasting Australia recently.**

The University hosted, organised and sponsored a variety of events, one of which was the "Science on a Plate" tour conducted by the Faculty of Agricultural and Natural Resource Sciences.

Thirty international journalists learnt about Adelaide's reputation as the premier food and wine university in Australia through a tour of the Waite Campus, tasting of products researched at Adelaide, including beef, chilli, wine, grains and olive oil, and a special lunch prepared by well-known chef Ann Oliver.

The journalists—from all corners of the globe and whose influential writings and/or broadcasts reach millions of people—were very impressed with the facilities and the research being undertaken.

Another highlight was the University's involvement with the International Food and Wine Writers' Festival. Department of History lecturers Barbara Santich and Robert Dare organised a very successful forum for

the festival entitled Eating Into the Future.

The launch of the University's Masters program in Gastronomy also took place during Tasting Australia.

Former Premier John Olsen and Le Cordon Bleu President André Cointreau jointly launched the unique program, which has been developed for people who have a passion for the study of gastronomy and for professionals seeking related careers in hospitality, media or tourism.

Last but not least of Tasting Australia events for the week was the Feast for the Senses food and wine fair at Elder Park, at which the university played a pivotal role.

University volunteers did an exceptional job making sure the event ran smoothly, while a plethora of Adelaide University's finest classical musicians provided the perfect soundtrack for the event with the Terrace Proms. The Proms consisted of various Adelaide University and other music ensembles performing at a number of locations along North Terrace and at Elder Park.



Chef Ann Oliver describes her delicious lunch for the Science on a Plate tour to a guest from the UK. Photo: Ben Osborne.



Kath Cooper explains the University's research into the Triticale grain to ABC journalist Malcolm Duxbury as part of the Science on a Plate tour at the Waite Campus.



International media representatives taste the fruits of Adelaide University's wine-making research. Photo: Ben Osborne.



Vice-Chancellor Cliff Blake, former Premier John Olsen, and Le Cordon Bleu President André Cointreau sign the official paperwork to launch the Masters program in Gastronomy.



Tasting Australia director Ian Parmenter with Vice-Chancellor Cliff Blake at the launch of the University's Masters program in Gastronomy being run jointly with Le Cordon Bleu.

# Early success for liver cancer treatment

**PROMISING** results have come from a new liver cancer surgery technique being trialled in Adelaide.

Last year, the *Adelaidean* reported on trials of a new technique to treat patients suffering from cancers of the liver. The researchers have now presented the preliminary results of those trials to the Annual Scientific Meeting of the Royal Australasian College of Surgeons (SA).

The surgical team, led by Professor Guy Maddern from Adelaide University's Department of Surgery, developed the technique of inserting electrodes into the tumours and surrounding liver tissue, and then passing small electric currents through them.

This process, termed electrolysis, destroys tumour and liver tissue in much the same way as electrolysis destroys the follicles of unwanted hair. It affects much less normal liver tissue than surgery of a more conventional kind, in which tumours are cut from the liver.

The 10 patients treated so far in the ongoing trial at the Queen Elizabeth Hospital had all been evaluated as unsuitable for conventional surgical treatment due to the extent of their tumours. Nine were patients whose colonic cancers had spread to the liver, while one was treated for cancer of the liver itself.

The average follow-up time for the patients was nine months, the shortest time being six months and the longest 43 months. Eight of the 10 patients showed no evidence of residual tumour at the treatment site. Five of these eight patients had developed new areas of tumour spread, but three showed no evidence of tumour recurrence.

There has been considerable worldwide interest in the trials following the initial release of the story. The Department of Surgery is continuing to treat new patients using the technique, but Dr Benjamin Teague, Research Registrar in the department, cautions that patients must meet

a number of criteria to be considered for treatment.

"They must be fit for major surgery," said Dr Teague, "which means having no significant medical conditions that would make them unsuitable for a general anaesthetic and abdominal surgery. They must also have no untreatable tumour outside the liver."

If patients appear to meet the first two criteria, then further details, including scans of their tumours and reports, are used to determine whether they meet the third criterion.

"Various kinds of scans can be used—MRI, ultrasound, PET or CT scans—but they [the patients] need to show that the tumours that they have in the liver must be of a size, number and distribution that makes them suitable for electrolytic treatment," said Dr Teague.

If a patient's scans are promising, the team makes arrangements for further investigation. This may include additional scans, a consultation and a preliminary 'keyhole' inspection, in which a small opening is made in the abdominal wall and a laparoscopic instrument used to make a visual inspection of the liver.

"If all of these procedures suggest that a patient is suitable for treatment, then we can perform the definitive procedure," said Dr Teague. "In many cases, the electrolysis is performed along with surgery to remove affected sections of the liver."

Dr Teague cautions that, despite the promising trials, it is not yet possible to say whether the procedure is of long-term benefit.

"We can only determine that by evaluating the future progress of the patients who undergo this treatment," he said. "However, we do hope that by aiming to destroy the tumours in this way we may offer the possibility of a long-term cure to some patients."

—Rob Morrison



Professor Guy Maddern and his surgical team perform an operation. The new technique uses electrodes to treat the cancer-affected area of the liver.

## Waste matters: the science of garbage

**WASTE MATTERS** is a new exhibition at the Investigator Science and Technology Centre.

The exhibition delves deeply into the "science of garbage" and aims to foster in visitors, especially young people, a sense of responsibility and a lifelong commitment to recycling and preserving of resources.

What is waste and why does it matter? Where does it come from and what can we do with it to help our environment? *Waste Matters!* introduces visitors to the intriguing science of recycling and the importance of waste management in the 21st century, through a variety of interesting and interactive displays.

Recycling is a major focus of the exhibition. Visitors will meet Captain Disposal and his dog Scraps, who espouse the merits of can compacting, and Litterbugs Maurice and Ethyl, who demonstrate the results of wanton littering. For instance, did you know that more than half of all roadside litter is tobacco related?

Visitors can also make their own recycled paper, sort plastics and cans, watch live worms in action as they recycle in nature, and see how cars can be recycled.

*Waste Matters!* will be held from November 2001 until January 27, 2002 at the Investigator Science and Technology Centre, Rose Tce, Wayville. For more information call (08) 8410 1115.

Adelaide University is a major sponsor of the Investigator Centre.

## Jazz and orchestra concerts to keep the most tune-hungry music fans satisfied

**A HOST** of past and present Adelaide University jazz musicians feature in the current **Jazz South Australia** series held at the Governor Hindmarsh Hotel.

The five-concert series kicked off with *Samba Suavé*, a tribute to Stan Getz and Joao Gilberto. It featured Renato Leone (vocals/guitar), Marcia Leone (vocals), Tony Catalano (lead guitar), Peter Overall (percussion) and Chris Soole (saxophones), as well as the string quartet of Julian Ferraretto (violin), Belinda Gehlert (violin), Anna Webb (viola) and Adrian Ferraretto (cello).

The next concert is the warm and cosy *Gyps and Dolls*, held on Sunday, November 4. It features Luke Thompson and Anita Wardell on vocals, with the assistance of Mark Ferguson (piano), Bob Jeffrey (reeds), James Sked (bass) and John McDermott (drums).

The Mike Stewart Quartet presents *A Tribute To Joe Henderson* on Sunday, November 18, featuring Nick Mulder on trombone. The Quartet consists of Mike Stewart (saxophone), Mark Ferguson (piano), John Aué (bass) and Jeremy Kirk (drums).

*Do Not Pass* is the offering from the imaginatively-titled Gogomobil on Sunday, December 2. The group consists of Ben Fuller (bass), Jeremy Kirk (drums), Adam Lutley (keyboards), Nick Mulder (trombone) and Peter Raidel (saxophones).

The last concert features Celebrate The

Drummers performing *The Bang's The Thang* on Sunday, December 9. Drummers featured will be John McDermott, Ben Riley and Mario Marino, with help from Mike Stewart (saxophones), Deanna Djuric (piano) and Shireen Khemlani (bass).

All concerts begin at 8pm, with tickets available at the door at \$12 adult, or \$8 concession. For more information, contact Jazz Coordinator SA Margaret Reines on 8303 4339.



**THE NEWLY** formed 90-piece Adelaide Youth Orchestra will present its inaugural concert *Spring into Summer!* this month.

Members of the orchestra are aged between 13 and 26 and are drawn from the most talented emerging orchestral musicians in the State. Nearly one third of AdYO members are studying at Adelaide University's Elder Conservatorium.

The orchestra's five-week intensive season involves weekly rehearsals and tutoring from leading Adelaide instrumental music educators. Mr Janis Laurs, Elder Conservatorium staff member, is the artistic director for AdYO and will conduct the orchestra in preparation for international conductor Marco Zuccarini's arrival in mid November.

The concert program includes mainstream orchestral repertoire and will also feature Adelaide composer Graeme Koehne's *Fanfare*, which was performed at the Closing Ceremony of the Sydney 2000 Olympic Games.

The *Spring into Summer!* concert will be presented at the Adelaide Town Hall at 3pm on Sunday, November 25. Tickets are \$15 adults and \$10 concession – book at Bass 131 246.

AdYO auditions for the 2002 season will be held early next year. Contact AdYO Administrator Dani Raymond on 8233 6233 for information.

# \$100,000 Florey prize for gut infections

**SERIOUS** gut infections in humans could be prevented thanks to the work of an Adelaide research team.

The team, comprising Professor James Paton, Dr Adrienne Paton and Dr Renato Morona from the University's Department of Molecular Biosciences, has been awarded the prestigious Florey Medical Research Grant for 2002.

The \$100,000 grant will enable the team to conduct research into the prevention of gut infections, including serious and sometimes fatal infections, in humans.

To do this, the team aims to develop harmless bacteria.

"The capacity of pathogenic microbes to bind to and damage host cells is a critical step in the development of disease," Professor Paton explained.

Typically this involves an interaction between bacterial toxins, or adhesions, and receptors (specifically known as oligosaccharide receptors) on the host cell surface.

"Blockade of these interactions is a potentially effective means of treating infectious diseases," Professor Paton said.

"We have conceived and developed a family of novel therapeutic agents consisting of

recombinant bacteria expressing mimics of these oligosaccharide receptors on their surface. These harmless bacteria are particularly well-suited to treatment of gastrointestinal infections."

As a prototype example, the team developed a bacterium capable of preventing the serious consequences of infection with Shiga toxinigenic *Escherichia coli* (STEC).

STEC have been responsible for numerous outbreaks of food poisoning throughout the world, including the so-called "Garibaldi outbreak" in Adelaide in 1995.

"Studies in an animal model have shown that our novel therapeutic agent is 100% protective," Professor Paton said.

"The grant from the Florey Medical Research Fund will be used to refine this product to make it suitable for administration to humans.

"Our studies will permit progression to human trials in collaboration with a commercial partner."

The receptor mimic technology has other, broader applications, and the team is proposing to construct additional receptor mimic strains for treatment of other important gut infections.

These include cholera, dysentery, antibiotic-



From left: Dr David Game, Chairman of the Florey Medical Research Fund, presenting the grant certificate to Professor James Paton, Dr Adrienne Paton and Dr Renato Morona.

associated colitis, travellers' diarrhoea, and viral gastroenteritis, which collectively kill millions of people each year.

The \$100,000 grant was awarded to the winning team at the annual dinner of the Florey Medical Research Fund.

## Nursing research centre celebrates a milestone

**THIS MONTH**, Adelaide's main research centre for nursing and midwifery is celebrating five years of promoting and supporting best practice in these fields.

The Joanna Briggs Institute for Evidence Based Nursing and Midwifery was formed in 1996 as a joint initiative of Adelaide University and the Royal Adelaide Hospital.

The Institute takes its name from Mrs Joanna Briggs, a 19th century Australian nurse who was a pioneer in the profession.

Over the past five years the Institute has grown to include eight additional collaborating centres sited at universities and hospitals around Australia, in New Zealand and Hong Kong.

The Institute is supported by some 340 corporate and 260 individual members.

One of the primary services offered by the Institute is the widely disseminated publication *Best Practice*.

November 2001 also marks the production of the 20th *Best Practice* Information Sheet to be released by the Joanna Briggs Institute.

*Best Practice* is a series designed for clinicians, and distributed through a number of fine nursing journals to make quality evidence available to as many clinicians as possible. Distribution is currently around 100,000.

The information is also available on the website of the Joanna Briggs Institute, which has a hit rate of approximately 1000 new visitors from all over the world every week.

The *Best Practice* series is based upon systematic reviews of research conducted by the Institute or taken from existing quality systematic reviews of literature.

The 20th *Best Practice* Information Sheet, "Management of the Child with Fever", is based upon a systematic review conducted by the Western Australian Centre for Evidence Based Nursing and Midwifery.

The WA centre is a collaborating centre of the Joanna Briggs Institute supported by Curtin University of Technology and King Edward Memorial and Princess Margaret Hospitals.

The 20th *Best Practice* Information Sheet will be formally launched at the Seventh Nursing



Practice Conference on Thursday, November 22 at the Hilton International Adelaide, five years since the official launch of the Institute at the Second Nursing Practice Conference at

that same venue back in 1996.

More information about the Joanna Briggs Institute can be found at the website: [www.joannabriggs.edu.au](http://www.joannabriggs.edu.au)

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## Top of the world: Siberia conquered

*From Page 2*

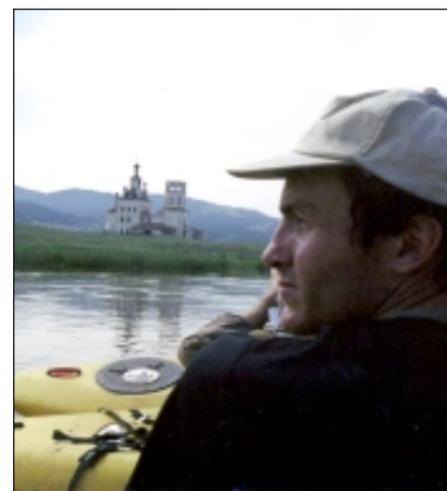
More and more often, icy winds scurried south from the Pole. We crawled forward through, at times, huge chop and swell. The forest gave way to a red orange landscape of heathland and expanses of tundra. On the riverbanks, we saw arctic foxes chasing snow-white hares. Strangely enough, there are a few big mining towns plunked as far as 69 degrees north latitude. Assemblages of typically bland, yet functional high-rise apartment blocks are perched on stilts above the permafrost. Their heat would otherwise melt the earth beneath and sink them.

One day before reaching the mouth of the Yenisey, driving snow blew us into the teepee encampment of indigenous reindeer herders. These Nenets people are indeed the forbears of North America's First Nations tribes. There seemed so many parallels between their lifestyle and the lives of the nomadic Mongolians from the early days of our

journey. I loved the sense of having come full circle despite the fact that more than 5500 kilometres were behind me.

At 3pm next day, the 23rd of September, my feeling of achievement at having become the first to trace the world's fifth longest river from its source seemed lost in a flood of memories. But as we stood on the beach, proudly hoisting the Australian and Canadian flags, my sadness at farewellling an utterly captivating voyage was tempered by the wind numbing my face and the odour wafting up from thermal underwear that I'd not removed for almost three weeks. The northern winter was fast descending. I was filthy and tired. And our river host for the past five months was on the verge of closing her doors.

*Ben Kozel will be returning to Adelaide this month, and will give a documentary-style presentation about his journeys from the source of the Yenisey to the sea.*



*WHEN: 7pm Wednesday, November 28*

*WHERE: Scott Theatre, Adelaide University*

*[www.raftyenisey.com](http://www.raftyenisey.com)*

# Hungry? Why not try... a dormouse?

**The Edible Dormouse – Britain's unwanted feast**

by Dr Peter Hornsby

Visiting Research Fellow, Psychology

Who could resist an animal with such an evocative name? Thus it was no surprise I made the most of an opportunity to join Dr Pat Morris from Royal Holloway College, London University, on the autumn dormouse survey.

The edible, or fat, dormouse (*Glis glis*) is one of the largest squirrel-like rodents, around 300mm overall from nose to tail, and weighing up to 300g. It is found in the broad-leaved zone of mixed forests throughout much of southern and eastern Europe, though absent from most of Iberia, and not naturally found in Britain.

Its idiosyncratic name arises from being a menu item in many European countries, and in Roman times it was fattened for food in special containers known as 'dolia'. The pots were stored in special 'dormouse gardens'. Even so, apparently the Romans did not take *Glis* with them when they invaded Britain.

The arrival of edible dormice in England most probably stems from the known introduction by Walter (later Lord) Rothschild in 1902, when he released an unknown number on his estates at Tring, in Hertfordshire, some 100km north-west of London. The source is unclear, possibly Hungary (the determination is an interesting exercise awaiting someone wishing to dabble in *Glis* DNA!)

Through being introduced, its status in Britain is that of a feral species and hence, as would be the case in Australia, if caught, it cannot be released. But the situation is not that simple. Britain is one of the signatories of the Berne Convention, under which Western European countries have agreed to protect all European dormice, including *Glis*. It therefore is listed on Schedule 6 of the British Wildlife and Countryside Act, 1981, meaning it is protected in Britain and cannot be trapped without a licence. However, as an introduced species, it also



Dr Peter Hornsby, with a nestbox that he uses in his research in Adelaide.

appears in Schedule 9 of the same act, as an alien species whose release in the wild is forbidden. Thus people can trap *Glis* (with a licence) but cannot let them go again! The fate and legal status of captured animals is confused and unclear to say the least!

For the time being the saving grace is that the population is highly localised in about 50 sq km of the Chiltern Hills. With numbers conservatively estimated at 10,000 and probably increasing, there is little prospect of it becoming extinct.

*Glis* is cause for concern not only because of the damage caused to its woodland habitat, but also because of what it does in people's houses where, for some undetermined reason, the species appears to favour some residences while totally ignoring others. Edible dormice can be a considerable nuisance in houses they select. The vocal effects of 80 or 90 *Glis* in a single roof space is a guarantee of sleepless nights, irrespective of the damage they can cause, such as chewing through the insulation of electric cables, or drowning in the water cistern.

Controlling *Glis* is a minor, but significant, problem. Poisons such as 1080, the use of which is widespread in Australia, are banned in Britain, and only anticoagulants such as warfarin are



An Edible Dormouse. Photo: Dr Pat Morris, from his publication on the *Glis glis* for the Mammal Society.

permitted.

Even these are increasingly frowned upon, leaving a choice of either trapping or shooting, both of which are labour-intensive and costly.

As a canopy-dwelling species, *Glis* is not easy to trap. However, one method for locating them is proving reasonably successful, namely with artificial nest-boxes. Our exercise, on this occasion, was checking nest-boxes, weighing and identifying the dormice, and micro-chipping any newcomers.

The task was extremely productive because in Hertfordshire, where we were working, *Glis* are most commonly found

in 'young' woodland, where trees generally are too immature to have many natural hollows (*Glis*'s normal nest-sites). Providing them with artificial homes has proved a bonus for *Glis*, and at the same time creating a relatively easy means for culling them. The stumbling block is the British Government's reluctance to fund the necessary work. Being overall such a small problem, it gets a very low funding priority.

The Government's approach seems to be to wait until the problem becomes serious and widespread, then tackle it when it's too late.

There's a lesson to be learned here.

## Infertile mice lead to research first for Wendy

**AN ADELAIDE University PhD student has become the first Australian to receive a research award from one of the world's most prestigious reproductive biology groups.**

Wendy Ingman (right) from the Department of Obstetrics and Gynaecology won a Trainee Research Award from the Society for the Study of Reproduction, based on the research presentation she gave at the Society's annual conference in Ottawa, Canada in July.

Ms Ingman is researching the effects of the absence of a certain protein during the early stages of pregnancy in mice.

"The protein is called Transforming Growth Factor-beta (TGF-beta), and it's a pretty high-profile protein—you always read about it in journals and everyone thinks it's important in the scheme of things," she said.

"But the surprising thing was that no-one's really looked at TGF-beta and how it works.

"So we've just started to scratch the surface by looking at how TGF-beta affects mice, particularly in the early stages of pregnancy—it's really simple and basic research because no-one has done this before, but it's getting a

lot of interest for the same reason."

Ms Ingman's research started back in 1998, with a batch of six male mice without the TGF-beta protein imported from America.

"Initially we started looking at males without TGF-beta, and why they were infertile—they just didn't want to mate at all," she said.

"Things have snowballed from there and there's lots of paths that have opened up as a result of the initial research that we'd like to explore.

"We've also been looking at female mice without TGF-beta, and why they were infertile—we know that not having TGF-beta causes infertility, because their early embryonic development is defective; we don't know why this is yet."

The Society for the Study of Reproduction Award caps off a successful year for Ms Ingman—she also received the Ross Wishart Award from the Australian Society for Medical Research, and the Junior Scientist Award from the Society for Reproductive Biology.

—Ben Osborne



**MONDAY 5 NOVEMBER**

**12noon Department of Plant Science Seminar:** Transient salinity by Mr David Cooper (Masters student), and Whole genome analysis of a wheat breeding strategy by Haydn Kuchel (PhD Student). Charles Hawker Conference Centre, Waite.

**1.10pm History Research Seminar:** The Croats have continued restless: politics and nationalism in the first Yugoslavia by Dr Vesna Drapac (Dept History). Room 420, 4th Floor, Napier Building.

**WEDNESDAY 7 NOVEMBER**

**1.00pm State Library of SA:** Series talk – by Dr Alan Brissenden AM. Function room (rear of SA Museum). Admission \$6.60 or \$5.50 conc, \$4.40 members.

**THURSDAY 8 NOVEMBER**

**1.00pm Chemical Pathology Seminar:** Functional Studies of Lysosome-Associated Membrane Protein-1 (LAMP-1) by Ms Melissa Chang (PhD Student, LDRU) and A Blast from the Past Slide Show – A Trek in the Kashmir Himalaya, 1983 by Peter Sharp (Chem Pathology). Seminar Room 1, 4th Floor, Reiger Building.

**4.00pm Applied and Molecular Ecology Seminar:** Origin and evolution of polydnviruses by symbiogenesis of insect DNA viruses in endoparasitic wasps by Prof Brian Federici (Visiting Scientist, Uni of California). McLeod Theatre, Waite Campus.

**6.30pm Royal Society of South Australia:** Clays as Environmental Barriers by Will Gates. Society's rooms adj to SA Museum's Natural Sciences bldg (off Kintore Ave).

**7.45pm Field Geology Club of SA:** Annual General Meeting. Mawson Lecture Theatre.

**FRIDAY 9 NOVEMBER**

**10.00am Social Inquiry – Labour Studies Seminar:** A sobering club crawl: pub culture and the worker by Claire Howie. Seminar Room, Level 3, 10 Pulteney Street.

**11.30am Social Inquiry – Gender Studies Seminar:** Abortion, feminism and the new politics of morality by Angella Duvnjak. Seminar Room, Level 3, 10 Pulteney Street.

**1.10pm Asian Studies Seminar:** Contrasting Issues in the Deregulation of Economy and Labour Market among Three Countries: Australia Japan and Korea by Prof Lee (Visiting Research Fellow). Room 518, Ligertwood Building.

**1.10pm Elder Conservatorium Lunch Hour**

**COMING EVENTS***November 2001*

**Concert:** Works by Miriam Hyde and Brahms by Gil Sullivan, piano. Admission \$3 at the door. Elder Hall.

**4.00pm Obstetrics and Gynaecology Seminar:** Acupuncture for nausea and vomiting in pregnancy – did it work? By Dr Caroline Smith (Obstetrics & Gynaecology). Seminar Room, 6th Floor, Medical School North.

**MONDAY 12 NOVEMBER**

**12noon Department of Plant Science Seminar:** Biology and epidemiology of phytoplasmas in Australian grapevines by Fiona Constable (PhD Student). Charles Hawker Conference Centre, Waite.

**1.10pm History Seminar:** Daisy Bates and her work with the Aboriginal people at Ooldea by Tom Gara. Room 420, 4th Floor, Napier Building.

**1.00pm Molecular Biosciences Seminar:** Optimising wine yeast and enhancing the success of Australian wine, by Dr Vlamir Jiranek (Oenology). Room 102, 1st Floor, Molecular Life Science Building.

**2.00pm English Seminar:** Three Sentimental Blokes: a poem and two films by Phil Butters (English), and The White Wedding Dress, by Christyana Bambacas (Social Inquiry/English). Room 618, Napier Building.

**TUESDAY 13 NOVEMBER**

**1.00pm Chemical Pathology Seminar:** A brief history of Coopers Brewery in South Australia by Coopers Brewery. Seminar Room 1, 4th Floor, Reiger Building.

**5.30pm CISME Seminar:** Principles and Emphasis in International Education: Australian Profile for International Baccalaureate Program by Greg Valentine. Council Room, Wills Building.

**THURSDAY 15 NOVEMBER**

**4.00pm Applied and Molecular Ecology Seminar:** Woody weeds in the Florida Everglades: flies and nematodes to the rescue by Dr Gary Taylor (AME Research Officer). McLeod Theatre, Waite Campus.

**FRIDAY 16 NOVEMBER**

**10.00am Social Inquiry Seminar:** Discourses on globalisation by Stefani Strazzari. Seminar Room, Level 3, 10 Pulteney Street.

**11.30am Social Inquiry – Gender Studies Seminar:** Doing feminist media research by

Kathie Muir. Seminar Room, Level 3, 10 Pulteney Street.

**1.10pm Elder Conservatorium Lunch Hour Concert:** David Galliver Memorial Awards. Four finalists: Jamie Adam – percussion, Pei-Jee Ng – cello, Yuh T'Sun Wu – piano and Pei-Sian Ng – cello. \$1500 prize money, winners announced at the conclusion of the concert. Admission \$3 at the door. Elder Hall.

**MONDAY 19 NOVEMBER**

**12noon Plant Science Seminar:** (1,3) – glucan synthases in Barley – its cloning and functionality studies by Jing Li (PhD Student). Charles Hawker Conference Centre, Waite Campus.

**1.10pm Geographical and Environmental Studies Seminar:** Environmentalism as a transboundary actor in majority and minority worlds by A Prof Tim Doyle. Room 104, Environmental Studies Building.

**2.00pm English Seminar:** Legitimizing Voices: The Stolen Generation Testimony in/and the Nation by Kay Schaffer. Room 618, Napier Building.

**5.30pm CISME Seminar:** Australian Multicultural Foundation – a Foundation for the Future by Hass Dellal. Council Room, Wills Building.

**THURSDAY 22 NOVEMBER**

**1.00pm Chemical Pathology Seminar:** The Quality of Life of Parents with Children with Lysosomal Storage Diseases by Leanne Whaites, (Medical Scientist, Research & Evaluation Unit). Seminar Room 1, 4th Floor, Reiger Building.

**4.00pm Applied and Molecular Ecology Seminar:** IPM of snails – research hits reality by Dr Suzanne Charwat (SARDI Postdoctoral fellow). McLeod Theatre, Waite Campus.

**FRIDAY 23 NOVEMBER**

**10.00am Social Inquiry Seminar:** South Australia: reflections on the first 100 years ... anticipations of the second 100 years by Stewart Sweeney. Seminar Room, Level 3, 10 Pulteney Street.

**SATURDAY 24 NOVEMBER**

**Field Geology Club of SA:** Club Picnic.

**MONDAY 26 NOVEMBER**

**12noon Plant Science Seminar:** A study of the biochemical, physical and genetic factors influencing levels of malt extract in Australian barley varieties by Helen Collins (PhD Student). Charles Hawker Conference Centre, Waite Campus.

**1.00pm Molecular Biosciences Seminar:** TBA, by Dr Conner Thomas (Molecular Biosciences). Room 102, 1st Floor, Molecular Life Science Building.

**WEDNESDAY 28 NOVEMBER**

**4.00pm CSIRO Land and Water Seminar:** Land Clearing: What is the contribution of soil carbon to atmospheric CO<sub>2</sub>? By Jan Skjemstad. Waite Auditorium, Plant Research Centre, Waite Campus.

**THURSDAY 29 NOVEMBER**

**12noon Hanson Institute Seminar:** Lung leakage and parenchymal health: an obvious solution to an old problem by Dr Ian Doyle (Human Physiology, Flinders Uni). Robson Lecture Theatre, Level 1, Eleanor Harrald Building. Lunch provided.

**1.00pm Chemical Pathology Seminar:** Enzyme Replacement Therapy in Lysosomal Storage Disorders by Julie Bielicki, (PhD Student, LDRU). Seminar Room 1, 4th Floor, Reiger Building.

**4.00pm Applied and Molecular Ecology Seminar:** Glycosylation in insect immunity by Marco Fabbri (PhD final seminar). McLeod Theatre, Waite Campus.

**SATURDAY 1 DECEMBER**

**7.30pm Musicological Society:** Postgraduate Seminar Day/The Naomi Cumming Postgraduate Musicology Prize and closing paper on Musicological methodology by John A Phillips. Schulz 1107.

**WEDNESDAY 5 DECEMBER**

**1.00pm State Library of SA:** Series talk – by Angela Heuzenroeder (Author/Teacher/Librarian). Function room (rear of SA Museum). Admission \$6.60 or \$5.50 conc, \$4.40 members.

**5.30pm CISME Seminar:** Furthering student exchanges between Poland and Australia by Malgorzata Pawlisz. Council Room, Wills Building.

**The next issue of the Adelaidean will be the last for the year. Please ensure that your Coming Events are in by the deadline: Thursday, November 22.**

**GENERAL NOTICES****Facility Booking Service**

Facility Bookings is a service provided by Adelaide University's Property Services to assist external and internal groups book buildings and grounds facilities at North Terrace Campus.

This service ensures that:

1. Appropriate approvals are obtained and the facility is formally booked.
2. Other members of the University community are informed.
3. The users' specific requirements are provided, eg. security, car parking, cleaning, insurance, power, water and other contractual arrangements are in place.

Examples of facility uses include conferences, wedding photographs, departmental barbeques, banners on fences or buildings, union cloisters events, credit union christmas pageant, graduations ie, all events outside the academic teaching program.

All bookings can be initiated via the Property Services Home page :

1. [www.psb.adelaide.edu.au](http://www.psb.adelaide.edu.au)
2. Select Service Requests Icon
3. Select Facility Booking Request Form

If you have any queries about this service please contact the Facilities Bookings Office (Megan Costello or Karen Glover, ph 8303 5701).

**New face for Adelaide research & innovation**

A NEW team is providing services for those involved in research and consultancy at Adelaide University, and also for industry wanting to become involved in research.

The University's Research Branch and the commercial research management arm, Luminis, have now amalgamated and are officially called Adelaide Research & Innovation (ARI).

ARI will provide a 'one-stop-shop', serving the needs of University research staff and the external community, such as industry, which seeks to become involved in research.

ARI offers professional, focused and coordinated services in areas such as research grant administration, provision of strategic advice, management of risks associated with research (including insurances) legal assistance with contract and intellectual property matters, technology transfer and commercialisation advice.



The new look for research and innovation at Adelaide University will be officially launched at the ARI offices on Friday, November 9.

ARI can be found on the 11th Floor of 10 Pulteney Street, Adelaide.

For more information phone (08) 8303 5020.

## RESEARCH NOTICES

### SMALL GRANTS SCHEME 2002

Applications have recently been invited for funding in 2002 through the Adelaide University Small Research Grants Scheme. Guidelines, instructions and application forms are available on the Research Branch website (address below). Applications close on 12 November 2001. Late applications will not be accepted.

To help make the process more manageable in the time available, the Guidelines and Application Form are essentially unchanged from 2001 except that no Chief/Partner Investigator may submit more than one application, whether as sole Chief Investigator or with other Chief/Partner Investigators.

### DETYA RESEARCH FELLOWSHIPS SCHEME 2002 - 2003

The Department of Employment, Training and Youth Affairs Research Fellowship Scheme provides for academic researchers to work in the Department for up to twelve months. Fellows conduct a major research study of mutual interest, exchange ideas and expertise and assist in policy analysis and development. For the 2002-2003 Fellowships DETYA are targeting researchers in the areas of Student Learning in the Knowledge Society; Assuring the Quality of Education; Strategies for Improving the Educational Outcomes Achieved by Indigenous Students; Regional Engagement Strategies; and Workplace Education and Training. Applications close on 26 November 2001. Further information is available on the Research Branch website under Fellowships on the 'Other Current Funding Opportunities' page.

### ARC INFORMATION SESSIONS

A series of Information Sessions have been arranged for applicants or prospective applicants for funding under Australian Research Council schemes. Further information has been circulated to Departments and is available from Sondra Gould in the Research Branch. See also the What's New on our website under Seminars and Information Sessions: [www.adelaide.edu.au/RB/new.html](http://www.adelaide.edu.au/RB/new.html)

### RECENTLY AWARDED GRANTS

Congratulations to the following staff who have been awarded Grants, Fellowships and Awards in September and October (Note - This list does not include awards from the ARC which were referred to in the October edition of the *Adelaidean* and are listed on the Research Branch website):

#### Faculty of Agricultural & Natural Resource Sciences

A Grant of \$25,550 from Horticulture Australia was awarded to Dr A Klieber (Horticulture, Viticulture & Oenology) for 'Australasian Postharvest Conference'.

A Grant of \$40,200 from the Australian Centre for International Agriculture Research was awarded to Dr GJ Paull (Plant Science) for 'Host resistance, epidemiology & integrated management of faba bean, chickpea & lentil disease'.

#### Faculty of Science

A Grant of \$14,000 from the Department for Environment and Heritage / National Parks & Wildlife SA was awarded to Dr DC Paton (Environmental Biology) for 'Population trends in Rosellas and Lorikeets in the Mt Lofty Ranges, South Australia'.

### FUNDING OPPORTUNITIES

Remember to check the Research Branch website about current research funding opportunities: [www.adelaide.edu.au/RB/fund.html](http://www.adelaide.edu.au/RB/fund.html)

# Indigenous graduates sought for MBA study



From left: Carol McHugh with MBA applicant Jenni Caruso. Photo: Ben Osborne.

## ADELAIDE'S Graduate School of Management has announced details of an exciting new sponsorship initiative for indigenous postgraduate study.

It is offering \$24,000 in the form of a tuition fee waiver to an indigenous postgraduate student to undertake the school's renowned Master of Business Administration (MBA) program.

The school had recognised the need for indigenous postgraduate students to have the opportunity to gain excellent business and management skills, said the Registrar, Ms Carol McHugh.

"Indigenous graduates are sought for many high-level employment positions in the private and public sector, and an MBA is a particularly good way to secure career opportunities," she said.

"With more indigenous students

succeeding at university each year it is important to ensure graduate opportunities are available to encourage indigenous students to attain the highest education awards possible.

"A Master of Business Administration degree qualification is very attractive to those who have a degree, who are now employed, but who are interested in longer term management goals."

Applicants must have a bachelor degree and a minimum of two years of relevant work experience. The recipient will begin their studies in February 2002.

For more information or to obtain an application form, potential applicants should contact Carol McHugh on (08) 8303 4650 or email <[carol.mchugh@adelaide.edu.au](mailto:carol.mchugh@adelaide.edu.au)>, or Wilto Yerlo on (08) 8303 3623.

## A high price on remnant woodland

**WHAT** are now Adelaide's southern suburbs were once covered by thick forest, dense enough to give Black Forest its name.

Almost all of it has gone now, but remnants of the Grey Box grassy woodland remain. One is known as the Waite Conservation Reserve—130 hectares of the University's Waite Campus included in the Hills Face Zone.

The significance of this remnant vegetation has been nationally recognised with the award of a Natural Heritage Trust grant of \$29,000 for the "Conservation & Restoration of Grey Box Grassy Woodland".

"Two hundred and eighty-nine indigenous plant species have been recorded in the Waite Conservation Reserve, including 43 with state or regional conservation status," said Dr Jennifer Gardner, Curator of the Waite Arboretum and Manager of the Reserve.

"We have also recorded a dozen species of mammals, 68 species of birds, and 11 species of butterflies, two of 'rare' or 'vulnerable' status," she said.

"Koalas are commonly seen here, and there are still many species of flora and fauna to be recorded."

The Natural Heritage Trust funds practical, on-ground works by local community groups that contribute to sustainable conservation of Australia's unique biodiversity.

"We encourage community participation, and the Friends' and volunteers' programs share information," said Dr Gardner.

"By working with high school and university students we are fostering and educating the next generation of conservation biologists and land managers," she said.

The Reserve is an important link in the integrated bushcare program across the Adelaide Hills Face Zone.

"Effective pest plant and animal control is the cornerstone of our conservation and restoration work," she explained. "There is also a strong focus on monitoring and research leading to better environmental management strategies."

Waite Conservation Reserve is open to the public daily from dawn till dusk and a self-guided trail is in place. The trail affords magnificent views over the Adelaide Plains and a chance to experience one of the most significant grey box grassy woodlands in the Adelaide Hills.

—Rob Morrison

## How volunteers are helping

### VOLUNTEERS are helping students from non-English speaking backgrounds at Adelaide University.

Since 1995, the Advisory Centre for University Education (ACUE) has run a volunteer program to provide conversation practice and other support for international and local students from non-English speaking backgrounds.

"The program is designed to match volunteers with one or more students, with the purpose of meeting regularly, on average about once a fortnight," said Ms Ursula McGowan, Coordinator of ACUE's Language and Learning Service.

"Once matched, the pairs or groups decide for themselves where to meet and what aims are to be achieved."

Recently the ACUE advertised in the *Adelaidean* and on the University's website in *Inside Adelaide* for more volunteers.

"The response to the advertisements has been superb. As a result we now have 30 new volunteers. Together with the previous group this makes a total of 45 volunteers now, and 50 international or Australian resident students, actively involved in the program."

The volunteers are men and women from all walks of life. Some are working or studying, but have offered to spend some lunchtimes with their student. Others are retired and can

offer a greater amount of time and flexibility.

The service offered by volunteers varies, too. While some meet over coffee for a general conversation, others invite their students to their homes or introduce them to a hobby or sports activity of their own. Some also get involved in the ongoing conversation group on campus.

A volunteers' meeting and training session was held recently in the ACUE and was attended by 15 of the volunteers.

"The session gave participants the opportunity to share their experiences and raise questions for discussion," said Ms Josephine Sando, Coordinator of the Volunteers Program.

"Several volunteers expressed their astonishment at the loneliness and isolation of their students, and the gratitude the students have shown for the opportunity to meet regularly for conversation."

Since its inception in 1995, the program has provided volunteers for around 300 students.

"We extend our congratulations and sincere thanks to all who have joined the program since 1995, and particularly to the new members in this, the International Year of the Volunteer," Ms Sando and Ms McGowan said.

Anyone interested in becoming a volunteer should phone the ACUE on (08) 8303 5771.

# Music awards named in David's memory

**THE END-OF-YEAR awards given to outstanding students from Adelaide University's Elder Conservatorium have taken on a new meaning this year.**

The recent death of Professor David Galliver, former head of the Conservatorium and Elder Professor of Music, has prompted the renaming of the awards in his honour.

The David Galliver Memorial Awards will be given to the winning students competing in this year's finals. As in previous years, the finals will be held as part of the last Lunch Hour Concert for the year—at 1.10pm on Friday, November 16 in Elder Hall.

"David Galliver was a highly respected man, both within the University and elsewhere," said Professor Charles Bodman Rae, the current Elder Professor and head of the Conservatorium.

"David's death has naturally had a very strong impact on many staff, graduates and even current students. Some of the staff suggested that we rename the annual awards in his memory, and I had no hesitation in doing so."

George David Galliver was Elder Professor at the Conservatorium from 1966 until his retirement in 1983. Since 1986 he held the title of Emeritus Professor. [For more

biographical details, see the obituary below.]

"David was responsible for building on the excellence and diversity of the Conservatorium's music studies. It is fitting that the young performers who represent the future of music in this State are awarded prizes in his name," Professor Bodman Rae said.

This year's finalists are as good as any that have crossed the stage of Elder Hall, and include twins who play the same instrument. Each finalist has already distinguished themselves at State and national level in other competitions and in public performance [see also the story on page 3 about Pei-Jee Ng].

The four finalists are: Jamie Adam (percussion), Pei-Jee Ng (cello), Pei-Sian Ng (cello) and Yuh T'Sun Wu (piano).

The first award is \$1000 prize money, with \$500 for second. Winners are announced at the end of the concert.

This year has been the best yet for the Lunch Hour Concerts—they've been extremely well attended and some have sold out.

There are three remaining Lunch Hour Concerts in November, including the final concert for the year on November 16. Admission is \$3 at the door from 12.30pm.

—David Ellis

## Farewell to long-serving lawyer

**DAVID Baker, a Senior Lecturer in Adelaide University's Law School, died tragically in a motor vehicle collision in September, aged 64.**

David first visited the Law School in 1973, when he lectured in Trusts while he was on study leave from Leicester University, and enjoyed his stay so much that he took up a permanent position in 1977.

After completing national service he received his legal education at Queen's College, Oxford, where he was a student of AM Honore. He began his academic career at Aberdeen before moving to Leicester. He taught a wide variety of subjects in those universities but his principal research interest became the Law of Torts. His widely used text on Tort was first published in 1972 and a second edition had been published before his appointment to Adelaide.

During his 24 years at Adelaide, David taught primarily in Torts, but also taught in the Elements of Law course, Administrative Law, Contract, Advanced Contract and Restitution. He belonged to the tradition of common lawyers who have a deep knowledge of the case law in their fields of interest and are rigorous analysts of common law principle and judgments. His grasp of case complexity always found expression in luminously principled form and he was high among the best expositors of this tradition in the country. His very high standards in this respect memorably informed his work as a supervisor and as a member of the Law School Honours committee.

While he retained a concern for the development of English law and continued to publish successive editions of his book on Tort (up to the sixth edition in 1996) the first edition of his Introduction to Tort in Australia was published in 1985 and the third edition was scheduled for publication



later in September 2001. The second edition has been the most tightly written and precise account of Australian tort law of any in print.

Outside academia David never lost an avid interest in a wide range of sports, and in his later years became an accomplished golfer. The soccer and cricket of his Oxford days transmuted into an encyclopaedic knowledge of the history and statistics of these games. Televised sport brought forth the insightful commentator.

A man of deep private sensitivity, he nevertheless enjoyed intelligent and warm company. As a man alone, he was an amateur ornithologist. Socialising, he loved garrulous argument and the telling of a humorous story, preferably about some professorial folly. A day's solitary drive across England in search of a recommended pint of real ale was not unknown, but he was happiest over a roast meal and a bottle of shiraz at his own dinner table.

David leaves his wife, Rose, and three step-children, Richard, Fiona and Hamish.

—John Keeler

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## Gentleman, scholar and visionary

**GEORGE David Galliver MA (Oxford), OAM, was born in Bristol in 1925 of Welsh parents, which accounted for the lovely lilt with which he spoke.**

After schooling at Shrewsbury, he attended New College Oxford gaining his Honours Degree in modern languages, and developing his singing of German Lieder in particular.

He gained his ARCM (Associate of Royal College of Music) in 1948, and studied organ with Dr HK Andrews and singing with Mme Lucie Manen in London and Cologne.

From 1950 he was engaged as a concert tenor and became known especially for his interpretation of the Evangelist in Bach's Passions and Gerontius in Elgar's *The Dream of Gerontius*. In 1964 he was engaged to sing in Britten's *Requiem* for the Adelaide Festival of Arts, and this proved to be his stepping stone to the Elder Conservatorium.

In 1966 David Galliver was appointed as the fifth Elder Professor and Director of the Elder Conservatorium, a position which he held until 1976, when he became the Elder Professor of Music until he retired in 1983. David Galliver became Emeritus Professor in 1986.

Upon his appointment as the Elder Professor, Professor Galliver considered that the theoretical side of teaching at the Elder Conservatorium needed some help. He noted that Australia would seem to be firmly set on an enlightened path leading to academic courses which specialised in, and at the same time integrated, the three branches of music: composition, musicology and performance.

Professor Galliver's ideal had been an academically trained, thinking musician, and his concept for himself had been as an



academic professor rather than an administrator.

David Galliver was a gentleman who would sing part of *Die Schöne Müllerin* or *Fidelio* to illustrate a point in the middle of a lecture on the History of Song. The sensitivities which he showed in his singing were evident in his teaching, and in his conducting of the Bach Choir at Adelaide University.

In his retirement Professor Galliver continued his scholarly studies, with an insightful account of musicians he had encountered as a student in Wales, entitled *Church Music in South Wales 1870-1950, The Seaton of Margam and Port Talbot*. Also he became Patron of the Music Teachers Association of South Australia, a body begun by Professor EH Davies, and played the organ at the St Joan of Arc, Roman Catholic Church Victor Harbor.

—Helena Lauer

# Top QC to chair Helpmann Academy

**PROMINENT** South Australian Queen's Counsel Mr Michael Abbott, QC has accepted the position of Chair of the Helpmann Academy Board of Governors.

The Academy is a unique partnership of all the tertiary arts training establishments in South Australia offering award courses for people seeking professional careers in the arts. Adelaide University's Elder Conservatorium is one of the main partners of the Academy.

Mr Michael Abbott is a barrister and law graduate of Adelaide University, and has been actively involved in universities and the arts sector in South Australia.

"The Helpmann Academy has evolved from its inception to a point where it can make a significant contribution to the arts and arts education in South Australia," Mr Abbott said.

"Today more than ever young and emerging artists in all disciplines need assistance that the community and business sectors should be able to provide. I hope to be able to extend that assistance and support and to ensure that arts education in every discipline in South

Australia is the best in Australia."

The Academy's Executive Director, Ms Libby Raupach said: "We are delighted to welcome such a respected and committed supporter of the arts and education as Mr Abbott to the Board of the Academy."

Michael Abbott, QC is a Queen's Counsel in South Australia, Victoria, Western Australia, Northern Territory, ACT and a Senior Counsel in New South Wales. He has appeared in significant cases in the High Court, Federal court and State Supreme Courts around Australia.

A long-time active supporter of the arts, he has interests and affiliations with several of the nation's most important arts organisations.

He is currently a board member of the Australian Business Arts Foundation, the South Australian Museum Foundation, the Museum and Art Galleries of the Northern Territory Foundation, and has been a board member of the Foundations of the National Gallery of Australia, the National Gallery of Victoria and the Art Gallery of South Australia.

He is currently the Chair of the Australia-

India Council, a Federal Government body in part established to foster and improve the cultural ties between Australia and India.

A keen collector of Indian and Asian art, particularly textiles, Mr Abbott is also a generous benefactor.

His gifts of Asian and Indian art, both textiles and ceramics, are well in excess of \$1,500,000. These have been the focal point of the textile collections at the National Gallery of Australia, Art Gallery of South Australia and Trade Ceramics and Textile Collection at the Museum and Art Gallery of the Northern Territory. Most recently he and his family gave 200 textiles to mark the new millennium to the Art Gallery of SA.

An Adelaide University Council member, Mr Abbott has strong associations with academia and has represented all three South Australian Universities in alumni matters. He was the inaugural Chair of the Australian Universities International Alumni Convention held in Adelaide in 1998, and has worked to strengthen ties with Singapore, Malaysia, Indonesia and Hong Kong.

He is highly regarded by the business community in South Australia and has



Mr Michael Abbott QC.

headed various prestigious committees. He was appointed Chairman of the ASER Restructuring Committee by the Government of South Australia. He was also President of the South Australian Bar Association for three years.

## ALUMNI NEWS

### State of Opera launched at Festival Centre

STATE OF OPERA, authored by Mrs Elizabeth Silsbury OAM, was officially launched at the Adelaide Festival Centre in September by world famous heldentenor Poul Elming.

Elizabeth Silsbury is a member of the Board of the Alumni Association and a Cornell Chapter committee member (Arts/Performing Arts).

*State of Opera* is a fascinating history of opera in South Australia from its modest beginnings as Intimate Opera Group to the present day as a company of major national and international significance.

Another publication launched recently, *The Enigma of Parsifal*, was co-edited by Emeritus Professor Brian Coghlan and has contributions from both Coghlan and Dr



From left: Stephen Phillips, General Director of State Opera, Elke Neidhardt, Director of Parsifal, Poul Elming and Elizabeth Silsbury.

Lewis Wickes, who are also members of the Cornell Chapter committee.

### All at Sea: Australia's policy on asylum seekers

THIS YEAR'S annual dinner for the Alumni Association's Cornell Chapter is being held as a memorial for Tim Mares and Robin Eaden who were tragically killed in February this year.

Tim was a valued member and past Chair of the Cornell Chapter as well as a former Dean of Arts and Chairman of the English Department at Adelaide University. His partner Robin was also a member of staff with the English Department and was both a player and set designer with the University Theatre Guild.

The Chapter is delighted to have Peter Mares, Tim's son, as their guest speaker for

the evening. Peter is a well-known author whose recent publication on Australia's policy on asylum seekers will be the topic of his address.

**When:** 7.00pm Friday, November 23  
**Where:** The University of Adelaide Club, Hughes Plaza  
**Cost:** \$55.00 (includes 3 course dinner, wine, and live music)

Tickets can be purchased from the Alumni, Community Relations and Development office at Level 1, 230 North Terrace. For further information contact Kim McBride at (08) 8303 3196. Please note: tickets are limited and can be purchased prior to close of business on Monday, November 19.

### Let us know what you think!

DID you know that students (both undergraduate and postgraduate) and general & academic staff are also members of the alumni community?

The Alumni, Community Relations and Development team would like to know more about what interests and inspires our young alumni. We are seeking volunteers, aged between 18 and 30 years, to participate in a focus group session that encourages you to share your ideas, feelings and inspiration!

The session will be run during the first week

of December and will be conducted in a professional office environment offering complimentary wine and refreshments. Your contributions will assist us in developing services and activities that are relevant to you!

For information and to register your interest please contact Joan Soon on 8303 3317 or via email at: joan.soon@adelaide.edu.au

You can also visit our website at: [www.adelaide.edu.au/alumni](http://www.adelaide.edu.au/alumni)

The deadline for joining the focus group is Wednesday, November 14.

#### INTRODUCING... Adelaide-Link

Have you received the first edition of *Adelaide-Link*? The Alumni, Community Relations and Development office has just released its new e-newsletter, a new and effective way to stay in touch with our many and varied alumni! To register your email address and to read the first edition visit our website at: [www.adelaide.edu.au/alumni](http://www.adelaide.edu.au/alumni)

#### UK CHAPTER RECEPTION

The newly established Adelaide University UK Alumni Chapter is hosting a reception on Friday, November 16 in London, with guest speaker The Hon Greg Crafter, Chair of the Alumni Association. For more information about the event or the Chapter, contact the Convenor, Dr R. James Storer <[rj.storer@ion.ucl.ac.uk](mailto:rj.storer@ion.ucl.ac.uk)>, or the Secretary, Mr Matthew Williams <[matthew@south-aus.org](mailto:matthew@south-aus.org)>.

#### JOHN BRAY LAW CHAPTER - ANNUAL GENERAL MEETING

All members of the John Bray Law Chapter are encouraged to attend. Tuesday, November 27 at 5:15pm, Judges Conference Room, Level 4, Supreme Court Library Building, Gouger Street, Adelaide. Apologies and further details, contact Kim McBride at (08) 8303 3196.

#### CORNELL CHAPTER ANNUAL GENERAL MEETING

The Cornell Chapter will be holding a brief Annual General Meeting prior to its Annual Dinner on Friday, November 23 from 6-7pm in The University of Adelaide Club, Hughes Plaza, Adelaide University. Cornell Chapter members are encouraged to attend. Apologies to Kim McBride at (08) 8303 3196.

#### TOUR ADELAIDE UNIVERSITY'S ROSEWORTHY CAMPUS

Established in 1883, the Roseworthy Agricultural College, just outside of Gawler, was the first agricultural college of its kind in Australia. Today Roseworthy is an internationally renowned centre for excellence in dryland agriculture and animal production.

The tour, to be held on Wednesday, November 14 between 10am - 4pm, will include many historical sights, as well as a visit to the working farm on campus. Bookings are essential and can be made at the Alumni, Community, Relations and Development Office on 8303 5800. Tickets are \$30 (includes lunch). Price includes GST.

#### HAVE YOU THOUGHT ABOUT MAKING A GIFT TO THE UNIVERSITY?

A bequest is a gift to the future generations of students and scholars who will continue our tradition of excellence. If you wish to help Adelaide University in your will, and would like advice or further information about making a bequest, please contact:

Ms Carol Ible, Development Officer  
Alumni, Community Relations & Development  
Level 1, 230 North Terrace  
Adelaide University SA 5005

Telephone +61 8 8303 6356  
Facsimile +61 8 8303 5808  
Email [development@adelaide.edu.au](mailto:development@adelaide.edu.au)

#### ADELAIDE UNIVERSITY MERCHANDISE RANGE

The Alumni, Community Relations and Development office offers a wide selection of official Adelaide University products. Our range includes golf umbrellas, paperweights, key rings, champagne stoppers, pens, rulers, and luggage locks each with the Adelaide University logo. All ideal gifts for the graduate or the graduate to be, gifts for Christmas or mementos for visitors to the University. These can be purchased at Level 1, 230 North Terrace or via our on-line merchandise order form at: [www.adelaide.edu.au/alumni](http://www.adelaide.edu.au/alumni)

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# Guild entices theatregoers with enthralling 2002 program

A SERIES of popular and highly respected works, and one new South Australian work, will mark the 2002 season for Adelaide University's Theatre Guild.

Next year, the Guild increases its productions to five, and delves into Shakespeare, two twentieth-century classics from Noel Coward and Peter Shaffer, a play by French Canada's leading playwright, Michel Tremblay, and a new work for the Fringe Festival.

The Fringe production, **Late Night Shopping** (March 6-16), is being developed by the Theatre Guild Writers' Ensemble and will be directed by Eddy Knight. A series of short monologues, the piece will show aspects of Adelaide life from Hindley Street to Rundle Street East during the Friday late-night shopping, and includes a diverse and often bizarre cast of characters.

The production, supported by the State Government through Arts SA (Health Promotions through the Arts), is to be staged outdoors, just off the Hughes Plaza on the University's North Terrace Campus.

All other productions for the year will take place in the University's Little Theatre:

**Amadeus** (May 4, 7-11 and 14-18) is Peter Shaffer's multi-award winning masterpiece about the relationship between Salieri and Mozart. A wonderful drama of jealousy, intrigue, blazing ambition and betrayal. Directed by Alison Robb.

Shakespeare's classic tale of fiery love, **Much Ado About Nothing** (August 3, 6-10 and 13-17), is one his most entertaining comedies. Directed by Martin Laud.

**Private Lives** (October 19, 22-26, 29-31, November 1-2) is perhaps Noel Coward's best work, certainly one of his best-known and most-loved, and is now recognised as one of the great comedies of the English language. Directed by Peter Göers.

**Hosanna** (November 12-16, 19-23) is by one of French Canada's pre-eminent playwrights, Michel Tremblay. It's a two-hander, the story of a drag queen and his biker boyfriend. Sharp, passionate, and funny, it's a roller-coaster tour de force for two that is scheduled to coincide with next year's "Feast" festival. Directed by Alison Robb.

"This program is a great mix that reflects the Guild's key commitments—to new South Australian work, to the classical tradition, and to work from traditions other than the English/Australian repertoire," said Theatre Guild Chairman Mr John Edge.

"It offers a very diverse experience for our audiences, in terms of the style, content, and size of the productions.

"The expansion of our season to five plays in 2002 and then six a year from 2003 is intended to provide more opportunities for students, staff and the general public to get involved with the Guild.

"I'm particularly excited by the presence

of the Fringe on campus from next year," he said. "We will see an explosion of activity for almost four weeks right around the North Terrace Campus, and that has got to be a stimulus beyond the Fringe itself, as people see how exciting this place can be when you create the space and the conditions for the performing arts to flourish."

Tickets to Late Night Shopping will cost \$15 or \$10 concession, with all other shows \$20 or \$15 concession (\$10 schools). For information about the Theatre Guild, or to become a member, phone (08) 8303 5999 or email: melanie.hibberd@adelaide.edu.au.



## NEWSMAKERS

Some sobering news for the wine industry was predicted by **Professor Kym Anderson** (Economics). He told *The Age* and *891 ABC* (October 3) that wine prices could fall by 10% within four years, unless a major marketing expansion was undertaken in Australia to maintain present prices.

The Thebarton campus' success as a business incubator was underlined in *The Advertiser* (October 6) in an article about start-up company Papyrus Australia. Managing director **Ramy Azer** said the company, which turns organic waste from banana trees into pulp for paper, packaging and building products, started at Thebarton five years ago and its products are now attracting interest from Australian and overseas companies.

An innovative solution to the increasing problem of crop growing along the River Murray was proposed by **Dr Kate Delaporte** (Horticulture, Viticulture and Oenology). She told *ABC Radio* (October 8) that traditional crops are getting into trouble as growers try to deal with changing tastes, competing imports, salinity and increasingly contaminated river water, and that research was being carried out on utilising native flowers as a sustainable crop that require little water and are suited to the local environment.

One of the hottest topics in the media during October has been that of anthrax. **Professor Chris Burrell** (Molecular Biosciences), an expert on infectious diseases, told *ABC Radio* (October 14 and 15) he didn't think Australia

was in any great danger of being the victim of biological warfare, due to the fact anthrax is not an easy disease to spread over a large geographical area.

A global catastrophe could come in many sinister forms, such as widespread anthrax contamination, nuclear war or a rogue comet hitting earth. But **Professor James Paton**, also from the Department of Molecular Biosciences, told *The Weekend Australian Magazine* (October 13) a less sensational scenario is more likely: a huge outbreak of infectious diseases. Such diseases—caused by viruses, bacteria or parasites—already account for 30% of all deaths, as well as the only two occasions where the Earth's population has actually declined: the bubonic plague of the

1330s which wiped out more than a third of Europe's population, and the Spanish Flu epidemic which claimed 21 million lives in the year after World War One ended.

Election fever has gripped the media, and some of our academics. Politics lecturer **Dr Jenny Stock** is writing regularly for *The Advertiser* on the upcoming Federal election. Her October 13 column looked at how South Australian voters might send a message to the Liberal Party at both a Federal and State level. "Will we South Australians vent our long-accumulated spleen against State and Federal governments, or will we be spooked into staying with familiar leaders and parties in these uncertain times?" she asked. Come November 10 we're sure to know.