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University of  
South Australia

## UniSA News

May 2014

## New heart of student learning opens



There's a new building open in town and it's set to transform the student learning experience and at the same time play an important part in reviving the Adelaide west end. [Full story...](#)



## Doors open for Endeavour scholars

UniSA's first recipient of the Prime Minister's Australia Asia Endeavour Scholarship is taking on the challenge of undertaking Honours in China, researching housing affordability, and relocating her family for up to two years.

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## Outdoor, indoor, technology, nature – it's all important child's play

There's a good reason why children are encouraged to play – whether it be with toys, household items, nature or technology – its impact on development can reach well into adulthood, according to a UniSA study.

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## Kids miss out on fruit and veg fix

As many as one in every three South Australian children are not meeting national Australian Dietary Guidelines, according to a new UniSA study.

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## Achievements and announcements

### UniSA is youngest of the young stars in world's top 50 under 50

UniSA is Australia's youngest university to be ranked in the top 50 of world universities under 50 years old.

### New Pro Vice Chancellor to lead student engagement at UniSA

UniSA has appointed Dr Laura-Anne Bull to the newly created position of Pro Vice Chancellor for Student Engagement and Equity, a role designed to underpin a student centred approach to education at the University.

### Reconciliation Action Plan

UniSA has launched its Reconciliation Action Plan (RAP) this month, strengthening its commitment to improving education and life opportunities for Aboriginal and Torres Strait Islander Australians.

### Prestigious marketing honour for two UniSA academics

Two UniSA academics have been asked to serve on the selection board of the most prestigious marketing award.

### Tribute to Anne Hawke

A former Director of UniSA's Centre for Applied Economic Research, whose work spurred the 'no pokies' movement, was paid tribute on the City West campus last month.

### Around the world on a bike to raise funds for cancer research

A young Australian man who has ridden 40,000km around the world on a bicycle to raise funds for international cancer research recently made a pit stop in Adelaide to meet scientists at the Centre for Cancer Biology (CCB).

### Historic Brookman building undergoes facelift

UniSA's 100-year-old Brookman building at its City East campus has had a facelift which honours its Anzac past.

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May 2014

## Doors open for Endeavour scholars

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by Katrina Phelps



Becoming a mature-aged student can be a big step, but having successfully tackled that hurdle UniSA's first recipient of the Prime Minister's Australia Asia Endeavour Scholarship is now taking on the challenge of undertaking Honours in a non-English speaking area and relocating her family for up to two years.

Catherine Kain talks about 'thinking young' and she is certainly the picture of vibrancy – clearly excited about the experience that lays ahead for her, as well as for her husband and 11-year-old twins as they prepare to move to China mid-year so Catherine can undertake her thesis.

"Receiving the scholarship to undertake Honours in China was a great opportunity and I couldn't let that go," Catherine says.

"If the door opens, then why not see how far it opens up. I couldn't believe it when I received notification of the award.

"We (the family) are all in it together."

Catherine is one of several UniSA students and staff who were successful in achieving an Endeavour Award from the Australian Government program that supports educational exchanges.

Catherine and her family are no strangers to overseas exchange. Catherine and her husband Scott have both spent the past four years studying a Business double degree during which they undertook two exchange programs at the Chinese University of Hong Kong.

“Our exchange to Hong Kong was an enriching experience and an invaluable introduction to China,” Catherine says.

The upcoming exchange will prove to be somewhat more challenging as they will be living in Tianjin where English is not as commonly spoken. While Catherine acknowledges that the task of researching in a foreign country will be tough, she is eager to begin her research.

“I am delighted to be in the position to build on my experience in the property industry through research,” she says.

Her thesis will focus on the property aspect of urbanisation, in particular a comparative view of housing affordability in China and Australia.

Five other Endeavour Award recipients from UniSA will be undertaking their own travelling experiences this year.

Thanks to an Endeavour Executive Fellowship, UniSA Senior Lecturer in the School of Education Dr Tom Stehlik, will be travelling to the University of Eastern Finland in July to undertake research into school governance and teacher education in Finland.

Law Lecturer Dr Clare Sullivan from the School of Law will also be spending the latter half of this year overseas thanks to an Endeavour Research Fellowship.

Student Jethro Adams also received an Endeavour Research Fellowship for research travel to India; while under the same Fellowship, Yi Man Li will travel to Hong Kong and Dr Wen Zhang from the SA Water Centre for Water Management and Reuse will spend time in the US.

The next edition of *UniSA News* will feature an article about the education, cyber security and water topics being explored by Drs Stehlik, Sullivan and Zhang.

A number of Endeavour Awards were also received for overseas students or researchers to spend time at UniSA. Under the Endeavour Postgraduate Scholarship, Ahmad Yousef Mohammad Abu Helwa from Jordan will visit UniSA, along with Nani Sri Handayani from Indonesia.

Under the Endeavour Executive Fellowship program, Sumin Dan from China is currently at UniSA. Joining her is Avudainayagam Subramanian from India.

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May 2014

## Outdoor, indoor, technology, nature – it's all important child's play

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by Rachel Broadley



Jane Webb-Williams (centre) observing children playing.

There's a very good reason why children are encouraged to play – whether it be with toys, everyday household objects, nature or technology – it has implications for development that can reach well into adulthood, according to a UniSA researcher.

Dr Jane Webb-Williams, whose research interests involve self-perceptions, play and identity within childhood, says research suggests play contributes to emotional, social, cognitive and physical development.

"Play develops self-esteem, resilience, identity and relationships, concepts, thinking, concentration, language, understanding and physical skills and coordination," she says.

"Play is like research – children are exploring different possibilities, innovatively trying to solve new problems, investigating ideas and being creative.

"In play children learn to use symbols as forms of representation. They learn from their senses and

experiences which encourages the development of abstract thought.

"This is essential for language and communication skills, so when children are pretending that a stick is a wand or a box is a spaceship, they are learning to substitute one thing to represent another which is the basis of symbolic functioning."

The materials children use to play are important too. Adults should play a facilitating role, using a balance of man-made and natural materials including open-ended materials which allow children to use their imagination such as blocks, sand and water, cardboard boxes, and materials for dressing-up or building.

Dr Webb-Williams is also an advocate for socio-dramatic play, where children take on different imaginative roles and act out scenes and stories with others, and nature play, which allows children to engage in their environment and explore their natural surroundings.

"One key thing is not to be so overprotective of children that they can't experiment or try new ways of doing things," she says.

"The perceptions of the risk of certain play activities, such as climbing a tree, are high but in fact adults should think about the benefits of this type of play, which often will outweigh the risks.

"Children do have a sense of their own bodies and, if allowed to, will be self-limiting. If we don't allow children to take some risks then they will not be able to develop the skills to cope with new challenges. We need to consider risk-benefit assessment rather than purely looking at the risks.

"We're living through a time like no other in history in terms of the pace of change and technology and there is a lot of debate over the lack of outdoor nature play and the dominance of technology in children's lives.

"But parents shouldn't be too hard on themselves.

"I think there is too much pressure on them to limit iPads, video games and TV. Technology is just another form of play and on the whole it can be used in a positive way for learning.

"My research suggests that children aren't playing outdoors, not because they don't want to, but because of lack of social opportunities. Friendships and relationships are therefore a key to facilitating play."

The importance of play in children's development means it shouldn't be restricted to out-of-school hours for younger children. Dr Webb-Williams advocates for play within primary schools and says she would like to see a developmentally appropriate curriculum for children aged five to seven based on play, inquiry and creativity.

"The current trend towards testing and outcomes within primary schools means that play is often restricted to recess times even for children in Reception class," she says.

"I understand the pressures teachers are under (I was a primary school teacher prior to becoming an academic), but believe this approach is misguided and that we need to value skills such as problem-solving, creativity, collaboration and imaginative thinking – skills that are developed through play.

"Just because we can't measure these skills does not mean we should not value them. We need to develop young learners who are able to tackle new problems that they haven't encountered before – who are divergent thinkers rather than convergent thinkers."

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## From the Vice Chancellor

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"You are what you do, not what you say you'll do," said C.G. Jung, the renowned Swiss psychiatrist and psychotherapist. In these past few weeks UniSA has done Jung proud. We've done what we said we'd do.

While the news media might be filled with stories about budget decisions and whether university funding is increased, decreased or left unchanged, we have been investing in our future, putting some major initiatives in place and focusing our efforts on producing the things we promised in *Crossing The Horizon*.

We promised a personal learning environment and new learning spaces that combine an optimum blend of online preparation and tutor-mediated learning.

We opened the new Jeffrey Smart Building in late April, an \$80 million student learning centre. Go visit when you get a chance. There are eight floors of cutting-edge learning spaces and services, including the Library, Campus Central, Learning and Teaching Unit and a whole lot more. The Jeffrey Smart Building will pioneer UniSA's 'flipped classroom' plans which will meet the requirements of today's student body. Our students will always engage with our teachers 'ready to learn'.

We promised a Reconciliation Action Plan, a real and measurable set of actions that will form the framework for cultural change within the University to bring about better opportunities for Aboriginal and Torres Strait Islander staff and students. Even though we were the first university in Australia to make a formal commitment to reconciliation and to embed this in our core values, having a RAP was an aspiration. It was a good thing to aspire to.

Now it's a commitment. We delivered our Reconciliation Action Plan at the beginning of May. It's real. It's measurable. And it is a giant step towards UniSA becoming the University of Choice for Aboriginal and Torres Strait Islanders.

We knew there were a few quick wins from Unijam and they're already in place.

We're busing people from Magill to Mawson Lakes on the free Campus Connector bus which runs every hour from 9am until 4pm.

We promised a smoke-free campus at Unijam (is that almost a year ago?) so, on World No Tobacco Day on May 31, we'll butt out for the last time and go smoke-free at UniSA.

We promised a new UniSA merchandising strategy and brought in a range of hoodies, T-shirts and other stuff. I'm pleased to see that hundreds of students, staff and alumni have bought and are wearing our gear. Some of it has already sold out!

We're powering ahead with our plans to be a university of enterprise; we're progressive and enterprising and again we have been recognised as such. The *Times Higher Education* World Rankings places us as the youngest of the young stars. We're Australia's youngest university to be ranked in the top 50 of world universities under 50 years old.

Young, agile and responsive. That's why we can move so fast. And we know where we're going and how we're going to get there.

**Professor David Lloyd**  
**Vice Chancellor and President**

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## Achievements and Announcements

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### UniSA is youngest of the young stars in world's top 50 under 50

UniSA is Australia's youngest university to be ranked in the top 50 of world universities under 50 years old.

With the full list from the *Times Higher Education* World Rankings of the Top 100 universities under 50 years old released last week, UniSA has held firm at 49, reflecting the progressive and enterprising nature of its institutional direction.

UniSA Vice Chancellor Professor David Lloyd says it is great news for the University.

"This is an extremely dynamic ranking of the world's top young universities and the competition is increasingly strong globally and especially from young universities in our own Asia-Pacific region," Prof Lloyd says.

"These rankings look to the future and measure the attributes that signal the development of the quality institutions. They show where the growth and potential of the future lies.

"It is pleasing to be placed in the top 50 in that list and to do so as the youngest Australian university at just 23 years of age. Together with our ranking in the QS Top 50 under 50, it confirms that we are prioritising the right elements to build an industry-connected, globally enterprising university"

### New Pro Vice Chancellor to lead student engagement at UniSA

UniSA has appointed Dr Laura-Anne Bull to the newly created position of Pro Vice Chancellor for Student Engagement and Equity, a role designed to underpin a student centred approach to education at the University.

UniSA Vice Chancellor Professor David Lloyd says Dr Bull brings a wealth of relevant experience to the new role.

"This important new position will lead initiatives to ensure that at university students are fully engaged and supported, not only to learn within their core area of study but to benefit from their whole university experience," Prof Lloyd says.

"I know Laura-Anne's experience as an academic and her outstanding track record both nationally and internationally in leading strategy to enhance student services and support gives her a very complete perspective of students' needs – a skillset which we are delighted to bring to UniSA."

Dr Bull, who joins UniSA from the Australian National University, says she is looking forward to making important contributions to the student experience in her new position at UniSA.

"I want to work with staff and students from across the University and with the wider community to position UniSA as a leading light for Aboriginal and Torres Strait Islander people, for students from diverse



backgrounds and those from regional communities,” she says.

“UniSA has a strong history of equity and diversity and I want not only to maintain that tradition but to enhance it.

“One of my first priorities will be to meet, talk and listen to University staff, students in the city and in our regional communities so that together we can achieve the strategic ambition to deliver an outstanding student experience to all of its students.”

For more information on Dr Bull’s appointment, see the related [media release](#).

## Reconciliation Action Plan

UniSA has launched its Reconciliation Action Plan (RAP) this month, strengthening its commitment to improving education and life opportunities for Aboriginal and Torres Strait Islander Australians.

The RAP – developed by staff and students in consultation with Aboriginal and Torres Strait Islander leaders, organisations and communities – details a suite of actions the University will take across the broad areas of respect, relationships and opportunities.

UniSA is the first university in South Australia to launch its own RAP. The RAP has been endorsed by Reconciliation Australia, the national organisation promoting reconciliation between the wider Australian community and Aboriginal and Torres Strait Islander people.

Vice Chancellor Professor David Lloyd says the RAP offers a real opportunity to deepen the respect and relationships between Aboriginal and Torres Strait Islander peoples and other groups within the University.

“The Reconciliation Action Plan is a framework for cultural change; change that supports other projects that will deliver better opportunities and outcomes for Aboriginal and Torres Strait Islander staff and students,” he says.

“It demonstrates support from the most senior levels of the University’s management and expresses our commitment to continue the work we have started and to track our progress against intentions, goals and achievements.”

To find out more, read the [media release](#).

## Prestigious marketing honour for two UniSA academics

Two UniSA academics have been asked to serve on the selection board for a prestigious marketing award conferred annually by the American Marketing Association and the American Marketing Association Foundation.

UniSA Institute for Choice Founder and Research Professor, Jordan Louviere (pictured right) and Dr Herb Sorensen, Adjunct Senior Research Fellow in the School of Marketing, will help select the recipient of the Charles Coolidge Parlin Marketing Research Award.

The award is given to one recipient per year for lifetime achievements in marketing research. The award alternates with an academic one year and a practitioner the next.

Prof Louviere, who won the award in 2010, says he’s the only person outside of North America ever invited to serve on the selection board for this major award.

“It’s a great honour to be on the Board of Governors for the Parlin Award,” Prof Louviere says.

“I know what an amazing honour it is to receive this award and I look forward to reading the nominations submitted by some of the world’s best marketing researchers.”



At the Reconciliation Action Plan launch (from left) Steve Goldsmith, Trevor Ritchie, David Lloyd, Esther May and Peter Buckskin.



Prof Louviere received the award for his substantial contributions and unwavering dedication to the ongoing advancement of marketing research practice.

Dr Sorensen won the award last year (2013) for his marketing work on shopper behaviour. A [YouTube clip](#) about his work is available from the American Marketing Association Foundation [website](#).

The Charles Coolidge Parlin Marketing Research Award was established in 1945 by the Philadelphia Chapter of the American Marketing Association and the Wharton Business School in association with the Curtis Publishing Company to honour distinguished academics and practitioners who have demonstrated outstanding leadership and sustained impact on the evolving profession of marketing research over an extended period. The award was established as a memorial to Charles Coolidge Parlin who is recognised as a founder of marketing research and acknowledged for his early benchmarking studies of consumer issues.

### Tribute to Anne Hawke

A former Director of UniSA's Centre for Applied Economic Research, whose work spurred the 'no pokies' movement, was paid tribute on the City West campus last month.

Family, friends and colleagues of Dr Anne Hawke gathered in the Way Lee internal courtyard to celebrate her life and legacy, led by UniSA Business School Adjunct Professor Richard Blandy.

"Anne's work galvanised the 'no pokies' movement with her quantitative analysis of the potential social costs of gaming machines, and she also worked in areas such as labour economics, industrial relations, and Indigenous economic policy," Prof Blandy said.

"Her life was tragically cut short 14 years ago when she was aged 33.

"For all her brilliance, which was great, and her accomplishments, which were many, it was Anne's friendship that I valued most.

"She was fun, vivacious, brave, affectionate, loyal and engaging. She tried herself out in many guises, changing and improvising in a varied range of work and outside-work activities, eventually falling in love and marrying and, no doubt, looking forward to being a mother, as well as everything else. Until fate cut short her brave adventure."

At the event, Prof Richard Blandy, together with Professor Marie Wilson, Pro Vice Chancellor of UniSA Business School, unveiled a plaque in Dr Hawke's honour.



Adjunct Professor Richard Blandy and Professor Marie Wilson unveil the plaque in Dr Hawke's honour.

### Around the world on a bike to raise funds for cancer research

A young Australian man who has ridden 40,000km around the world on a bicycle to raise funds for international cancer research recently made a pit stop in Adelaide to meet scientists at the Centre for Cancer Biology (CCB).

Teacher Chris Guar, 28, left Leeds, England, in March 2012 to raise money for Worldwide Cancer Research (WCR). He hopes to raise \$30,000 for AICR in memory of his mother who died of cancer.

Guar, who is originally from Sydney, was welcomed by CCB Co-Directors Professors Sharad Kumar and Angel Lopez, CCB researchers Doctors Jo Woodcock and Cameron Bracken, and their teams.

Guar gave a presentation of his inspiring journey, which has covered more than 40 countries including Germany, Norway, Croatia, Kazakhstan, Kosovo, Uzbekistan, Kyrgyzstan, China and Vietnam.

Guar said his trip had shown "there is hospitality everywhere in the world".

"You never know travelling by bicycle, who you're going to meet, or where you're going to sleep at the end of the day, and that's really liberating," he said.



Chris Guar with the bike he's been riding on raise money for the Association for International Cancer Research.

"I had so many examples of hospitality and kindness ... and even when there were language barriers, I found that smiling transcends language.

"I did have a lot of alone time. I went two months in China without having a conversation in English. But you learn resilience; you make a snowman or do whatever keeps you happy."

Gruar said as well as experiencing the world's diverse cultures, he had seen spectacular contrasts in nature, from winter ice to arid deserts.

"You can't cycle for two years without winter setting in," he said.

"But no matter what the weather, the good thing about cycling is you can eat five to six times per day and still go to bed hungry.

"In fact, I don't know what's going to happen when I stop cycling."

UniSA's Prof Kumar said the CCB admired the fact Gruar had gone to such lengths to raise awareness about cancer.

"Three of our scientists have recently been funded by WCR to undertake cancer research projects, so we were delighted Chris could meet with them and hear about how their work is helping in the fight against cancer," Prof Kumar said.

Dr Cameron Bracken from the CCB's Gene Regulation Laboratory is researching how cancer spreads throughout the body.

Dr Joanna Woodcock from the CCB's Molecular Signalling Laboratory is researching leukaemia cells, and Dr Loretta Dorstyn from the CCB's Molecular Regulation Laboratory is studying how a cell death protease works as a break for some cancer.

To read more about Chris Gruar's journey, go to the [website](#).



Chris Gruar with Professor Sharad Kumar.

## Historic Brookman building undergoes facelift

UniSA's 100-year-old Brookman building at its City East campus has had a facelift which honours its Anzac past.

The project to sensitively renovate the main stairway of the building and the public areas of two floors complements the extensive upgrade of the building's façade that began in 2010.

And in collaboration with the UniSA alumni association, the project managers have used the opportunity to commemorate the involvement by students and staff from the School of Mines and Adelaide Technical High School in both WWI and WWII.



The refurbished Brookman building stairway.

Transparent panels etched with images of Australian soldiers and including the names of alumni involved in the wars will take pride of place in the building.

UniSA Chancellor Dr Ian Gould says the refurbishment will breathe new life into one of the State's important historic buildings and at the same time draw attention to the great sacrifice made by many of the young men who once walked the halls of the Brookman building.

"The Brookman building was home to schools where some of the most gifted young people in South Australia came to study," Chancellor Gould says.

"The Anzac honour boards serve as a reminder of their sacrifice but also of the great loss society endures in the face of war."

The two honour boards list the names of 310 WWI



Part of the refurbished Brookman building.

soldiers from the School of Mines and the WWII boards holds 105 names of soldiers who attended Adelaide Technical High School.

Project manager, Andrea King-Jones says she hopes to find support for a third honour board to complete the historical picture.

She says the outstanding results of the project have in no small part been due to a highly creative partnership that has involved students, industry and local artists and craftspeople.

“The interior refurbishment of the public face of Brookman building was sparked by design students through UniSA’s matchstudio student project,” King-Jones says.

While not adopted in their entirety, she says the student designs have informed the style of the refurbishment which was carried out by principle consultant, ICE Architects with interior designers Abeo Design and lighting design from In-Light.

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## Law scholarship opens up world of opportunity

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by Katrina Phelps



For final year law student Ben Clarke, a Minter Ellison industry scholarship has opened up a world of overseas work experience opportunities including a placement in Malaysia.

Since successfully applying for a scholarship provided by law firm Minter Ellison in his first year of university, Ben has used the scholarship towards his university fees and to assist him in undertaking work experience in Malaysia and London, as well as go on a student exchange in Geneva, Switzerland.

"The equity scholarship has helped enormously," Ben said. "It's taken away the burden of leaving uni with a massive HECS debt and has given me the chance to pursue intern and work experience opportunities.

"I realised early on in my study that I needed more than just a degree behind me so I actively pursued work experience opportunities in order to increase my chances of obtaining a graduate position at the end of my degree."

Ben recently met with Minter Ellison staff in their Adelaide office and impressed them with how he's used the scholarship to benefit his future law career.

"We have been inspired by Ben's ambitious attitude to not only his studies, but his overseas work adventures," Minter Ellison Business Development Manager Sophie Doyle said.

"Ben is an impressive student and is sure to succeed in his chosen area of law – we wish him all the best."

Minter Ellison started their SA/NT Law Scholarship in 2010 with the aim of providing support to a student from UniSA's then new Law School.

"Minter Ellison has a strong community investment program backed by our Foundation and the scholarship provides us with an opportunity to make a significant difference at a really personal level," Doyle said.

For Ben, who keeps busy helping his mum and five younger siblings, the scholarship has certainly made a difference to him and to what he has been able to achieve at university. The 21-year-old from Mawson Lakes travelled to Malaysia in his second year of university to pursue an internship that focused on litigation and dispute resolution.

"The internship in Malaysia was a big stepping stone in my legal career," Ben said. "It had a flow-on effect as I was able to gain further work experience from then on.

"Last year I studied in Geneva in Switzerland for a month as part of an exchange program run by Murdoch University.

"Geneva is the international centre of human rights so as well as being able to learn about and experience a different culture, I was able to immerse myself in a different area of legal practice.

"Following that exchange, I travelled to London to undertake further work experience with a criminal law barrister for two weeks.

"It was a great opportunity to travel overseas and undertake work experience in a different atmosphere and focus on building my practical legal skills."

Ben is now focusing on securing a graduate lawyer position in Adelaide when he finishes his law degree later this year.

UniSA scholarships and grants help more than 2500 students every year. For more details, see the scholarships [website](#).



Minter Ellison staff meet scholarship recipient Ben Clarke. (L-R) Sophie Doyle, Jarrad Parker (Senior Associate), Martine Feckner (Senior Associate), UniSA student Ben Clarke, Brenton Priestley (Senior Associate) and Lucy Radowicz.

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## World health education leader tours UniSA health learning labs

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by Kelly Stone



Sir Keith Pearson with students Don Jue Rypp and Kelly Nguyen in the Practice Based Laboratories.

Chair of Health Education England, Sir Keith Pearson, recently visited UniSA's nursing and midwifery practice-based laboratories (PBLs) to see how simulation training is better preparing nursing, midwifery and allied health students for the Australian health workforce.

UniSA's Dean of Health and Clinical Education Professor Esther May says the simulation training – which includes simulated hospital wards with real-time video capture, ultrasound simulators and laboratory analysis equipment – is better preparing nursing, sonography, laboratory medicine and other allied health students for effective clinical placements and professional practice.

“Not only are our students well equipped to be effective team members, but they can practice, receive feedback and practice again until they're proficient in skills and procedures prior to interacting with patients in hospital and clinic settings,” Prof May says.

The simulation equipment has been established in the PBLs at the City East campus after Health Workforce Australia (HWA), as an Australian Government initiative, provided \$1 million in simulation funding to add to the existing PBLs, sonography and laboratory medicine areas.

HWA is a Commonwealth body that delivers a national, coordinated approach to health workforce reform. It was established by the Council of Australian Governments (COAG) to address the challenges of providing a skilled, flexible and innovative health workforce that meets the needs of the Australian community.

Prof May says she is delighted HWA brought Sir Keith to UniSA as part of his Australian visit.

“It is fantastic that UniSA is recognised as a leader in the education of healthcare professionals,” Prof May says.

“Sir Keith was keen to see our facilities and speak to students about how their simulation training enhances their learning and better prepares them for clinical placement and practice.

“The University is committed to working with HWA in educating the next generation of our health workforce.”

Simulated learning environment projects funded by HWA include:

- A bespoke AV capture system with 33 cameras in the PBL’s simulated hospital wards. This facility enables students to review their techniques applied in a practical session. Audio and visual files can be downloaded for peer-to-peer and self-assessment and reflection.
- Three Vimedix Ultrasound Simulators which provide 3D augmented reality images from abdominal, cardiac and obstetric scans. The simulators help students in their interpretation of anatomical structural relationships in ultrasound imaging. The students improve their technical competence to produce sonographical images before working with real patients.
- A BD Accuri Flow Cytometer for use by Laboratory Medicine students in cell analysis. The cytometer replicates laboratory analysis work conducted in medical labs around Australia.

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## High performance and exercise physiology clinic takes off at City East

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by Kelly Stone and Rosanna Galvin



PhD student Clint Bellenger on a testing bike in the new clinic with Honours student Stuart Gollan.

A brand new state-of-the-art High Performance and Exercise Physiology Clinic has officially opened its doors at UniSA's City East campus.

The clinic is set to enhance performance among elite athletes while also providing exercise therapy for members of the public with chronic conditions. It was officially launched by Member for Elder, Annabel Digance on April 17.

Head of UniSA's School of Health Sciences Professor Roger Eston said the clinic has been developed to provide the best facilities in two important areas of research and education at the University.

"The clinic encompasses both new

infrastructure and an innovative approach to providing services in the areas of clinical exercise physiology and physical performance testing,” he said.



“It really puts UniSA at the forefront of education and service provision in human physical capacities, providing support clinics and laboratory monitoring for people with chronic conditions, exercise therapies for rehabilitation, through to sports science expertise and testing facilities for high-performance athletes.

(L-R) UniSA Vice Chancellor Professor David Lloyd, Member for Elder Annabel Digance and Head of School of Health Sciences Professor Roger Eston.

“It looks sensational, delivers a dedicated first-class research space for clinical services and sports science, and accommodates postgraduate students who are our future specialised workforce.”

Prof Eston said the clinical exercise physiology section of the clinic follows the development of the University’s Bachelor of Clinical Exercise Physiology degree.

“Clinical exercise physiology is the fastest-growing allied health profession,” Prof Eston said.

“In 2013 the demand for our then brand new degree was extremely high. This year it gained even more momentum and the intake has essentially doubled after just one year.

“The exercise physiology component of the clinic will service the community and play a significant role in allowing our students to experience first-hand exposure to clinical practice.”

In the clinical exercise physiology area there are four consulting rooms, examination areas, muscle function testing equipment, ECG monitoring equipment, and lung function and blood testing for key health risk factors.

Equipment in the high performance area includes: an isokinetic strength testing dynamometer, which monitors torque curves (strength) across the full range of motion of specific muscle groups of the arms, shoulders, hips and legs at various fixed speeds; a system for measuring oxygen uptake, heart rate, frequency and depth of breathing; and equipment for tracking changes in body composition and anthropometry with training programs.

“We can test a range of physical capacities including the maximum performance of various energy systems, strength measures as well as many other systems that are important to monitor in elite athletes,” Prof Eston said.

The clinic was designed by UniSA graduate Jennifer Drake (pictured right), who completed a Bachelor of Interior Architecture. Jennifer, who works at architecture, interior and urban design practice Designinc, said she enjoyed the chance to design a space for her alpha mater.



UniSA graduate Jennifer Drake who designed the new clinic.

“It was quite a unique space to design because we had to develop an area for the clinic which the general public will use, and at the same time incorporate state-of-the-art facilities for researchers and students at the University,” she said.

“I’m really happy with the final result – we were able to increase the volume of the exercise testing area by removing the existing ceiling which has created an open and collaborative environment.

“The project came together really quickly – it was rewarding to work with UniSA from start to finish and see the final product completed within the space of six months. It’s a fantastic result and something the team that

assisted in delivering the facility should be proud of.”

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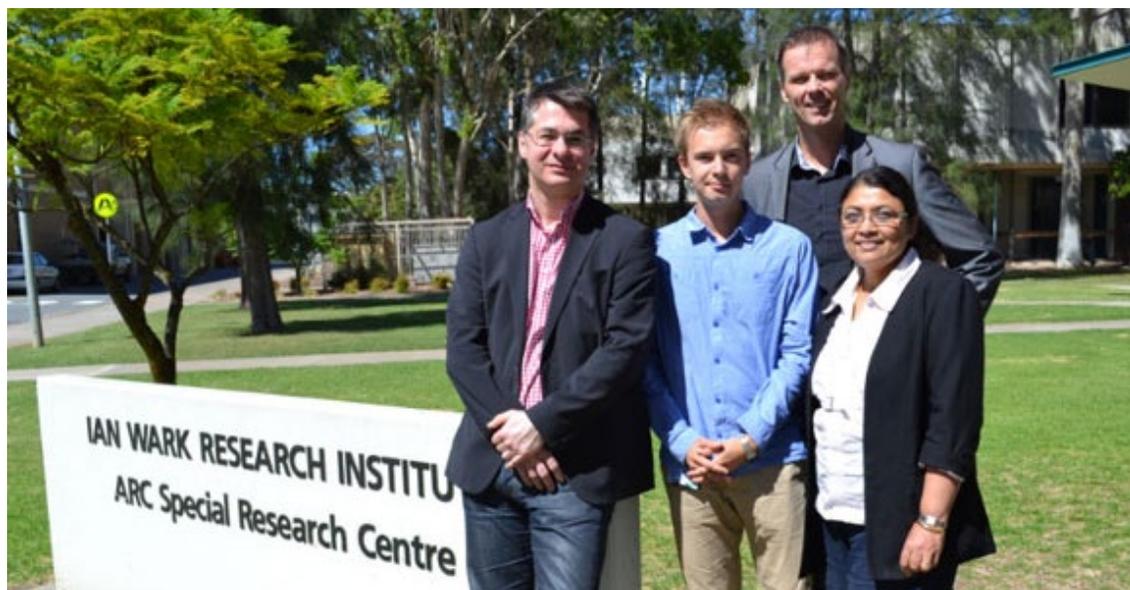


May 2014

## Swedish partnership focuses on next generation of researchers: new coating for boats is first collaboration

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by Rosanna Galvin



Front L-R: Professor Aleksandar Matic (Head of Department at Chalmers University of Technology), Johan Linden (PhD student) and Prof Namita Choudhury (Dean of Research Education at The Wark).  
Back row: Professor Magnus Nyden (Director, The Wark)

Developing a new coating for ship hulls that will stop the growth of unwanted algae, slime and barnacles is just one research project emerging out of a new international research partnership at UniSA.

The partnership, between UniSA's Ian Wark Research Institute (The Wark) and Swedish university Chalmers University of Technology (CUT), was formed recently through a Memorandum of Understanding (MOU) that establishes CUT as The Wark's strategic research training partner.

Dean of Research Education at The Wark, Professor Namita Roy Choudhury says the new partnership will enable global research collaborations in the areas of chemistry and physics interfaces.

"This partnership will build on the mutual expertise of both universities in the fields of physical chemistry and particle and interface science," Prof Choudhury says.

"Our aim at The Wark is to develop new technologies and improve existing processes for industry through cutting-edge research in the areas of bio and polymer interfaces, colloids and nanostructures, and mineral processing.

“The MOU signed with CUT emphasises the importance of developing the next generation of researchers in these fields – through student exchanges at master’s level and by attracting high quality international PhD candidates.

“The enrolment of Swedish PhD student Johan Linden at UniSA this year will enable us to kick off the partnership.”

Johan, who completed his master degree at CUT, jumped at the chance to come to UniSA for his PhD studies under the supervision of The Wark’s Director, Professor Magnus Nydén.

During his PhD, Johan will explore the role copper plays in biological growth on ship hulls. The ultimate goal is to develop a new, environmentally-friendly coating that could not only be used on ships but also influence the designs of marinas and harbors.

“The approach is based on dynamic coatings that are capable of absorbing and releasing biocidal copper ions which are already present in seawater,” Johan says.

“So instead of adding copper to the oceans, which is the case of coatings used today, our coat would be closed-cycle and not contribute to increased levels of copper in our oceans.

“I am focusing on the uptake of copper in these coating materials and what factors could affect the uptake. This would not only inform how we design new environmentally-friendly coatings to prevent biological growth on ships, but it also has a number of possibilities for purifying copper-contaminated harbors and marinas.”

Johan, who plans to stay in Adelaide until the end of 2015, says he has enjoyed a warm welcome into the University community.

“So far it has been an amazing journey here at UniSA and The Wark,” he says.

“It is an inspiring research environment with great facilities and resources - plus I’ve got incredible support from all of the staff and students.”

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University of  
South Australia

# UniSA News

May 2014

## New heart of student learning opens

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There's a new building open in town and it's set to transform the student learning experience and at the same time play an important part in reviving the Adelaide west end.

The Jeffrey Smart Building, UniSA's new \$80 million student learning centre on Hindley Street, opened its doors on April 28 opposite the City West campus.

Named in recognition of the great Australian artist and UniSA alumnus, the building houses the UniSA library and a whole host of student services from teaching and learning support to accommodation services.

With more than 600 student computers, the facility also features leading-edge teaching rooms designed for online collaboration with computer workstations designed for collaborative learning.

The building was opened for student use by UniSA Students' Association President Arun Thomas alongside UniSA Vice Chancellor Professor David Lloyd.

Prof Lloyd said the building will transform the west end of the city by extending the footprint of the University and enhancing the community with a vibrant student population.

"This extends the notion of the university community and we are starting to get a real picture of what this end of town will be like when the suite of buildings planned for the area come on line – the Royal Adelaide Hospital, and our own new Centre for Cancer Biology and public

science gallery, through to other new buildings and re-developments we have planned in and around City West campus,” he said.

“The Jeffrey Smart Building is the kind of place I think our students will love to learn in because it has been designed for them, with their needs in mind.

“Whether that is a quiet nook to read in or collaborative discussion spaces, or places where they can enjoy some down time or watch a film together – the building has all of that and more.

“One thing I know they will love, because they asked for it during our unijam consultation, is private lockers, each incorporating device charge stations so they can power up their phone or tablet securely.

“The building provides some core practical consideration but also inspiring and exciting features that make it a great place to learn.”

The new building, designed by architects John Wardle and Philips/Pilkington has been built to embrace the streetscape and enhance the links between the green common at the front of the building and the glazed forum style ground floor entry. This street level also includes a café which faces Hindley Street and looks back into the rest of the campus.

The eight storey building features panoramic views of the city from a range of vantage points and each level has been designed with colour themes inspired by the South Australian landscape from the red centre to the coast.

More information about the Jeffrey Smart Building is available [online](#).

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## UniSA News

May 2014

## Kids miss out on fruit and veg fix

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by Rosanna Galvin



As many as one in every three South Australian children are not meeting national Australian Dietary Guidelines, according to a new UniSA study.

UniSA researcher Dr Dorota Zarnowiecki surveyed more than 600 South Australian children to discover how socioeconomic position (SEP) can influence a child's diet and lifestyle. What she uncovered was that many children, irrespective of SEP, were not meeting suggested national dietary targets.

"While there was an association between lower SEP and poorer dietary behaviours, specifically higher intake of non-core foods, sweet drinks and more unhealthy behaviours; and lower intake of fruits and vegetables, the study also showed approximately 40 per cent of children aged 12-13 years were not getting the right intake of vegetables regardless of their SEP," Dr Zarnowiecki says.

"The small differences in dietary intake between children of different socioeconomic groups suggest that all children, irrespective of SEP, would benefit from health promotion to improve dietary intake."

Dr Zarnowiecki says the study reinforces the importance of a healthy diet and lifestyle from a young age.

"Poorer childhood eating behaviours and earlier development of obesity can contribute to poorer health and higher obesity rates in adulthood," she says.

"Therefore fostering better health behaviours from childhood, such as regular physical activity and healthier dietary patterns, is critical.

"In adulthood, poor eating patterns can contribute to excess energy intake and greater risks of obesity and associated lifestyle conditions such as cardiovascular diseases and diabetes so it's important to develop healthy eating habits from early childhood."

Dr Zarnowiecki says it is still important to gain a better understanding of how SEP factors can affect a child's diet and lifestyle.

"Parents' education, occupation/employment, income and to a lesser extent the area they live in, were all associated with children's dietary intake," Dr Zarnowiecki says.

"And each of these SEP factors may affect children's eating differently. For example, the largest difference between socioeconomic groups was found for girls' sweetened drink intake – girls of low SEP consumed significantly more sweetened drinks than girls of high SEP.

"We need to understand the impact all the SEP factors have on children so that we can target health promotions and interventions to the children most at risk."

The study was funded by an ARC linkage grant with SA Health.

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## UniSA News

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## New books

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### The Ethics of Creativity

In the light-hearted animated film 'Despicable Me', the lead character is a criminal who is striving to come up with a great idea for a crime but keeps getting bested by his criminal colleagues whose creative crimes steal the spotlight instead.

Creativity might not be the first thing you think of when you hear about a criminal act but the two can be closely linked according to UniSA Associate Professor David Cropley.

Assoc Prof David Cropley is one of three editors of a new book, *The Ethics of Creativity*, which brings together a range of thinkers to look at the issues that arise when novel ideas and products brought forth by creativity collide with the rules and norms of what we believe to be right or good.

Published by Palgrave MacMillan and co-edited by Seana Moran and James Kaufman, the book explores what effect creativity has on individuals, groups and societies, and on the fundamental values on which they base their actions and institutions.

"If we accept that criminals, especially 'resourceful' criminals, can use creativity to their advantage, in the same way that individuals and businesses use it for positive benefits and as a competitive lever, then it is important to understand the dark side of creativity in order to formulate ways to prevent its misuse," Assoc Prof Cropley says.

"The first and most important step is simply accepting that creativity is not the exclusive domain of good people doing nice things. When we accept that criminals and terrorists can be highly creative, we are better placed to find effective strategies to disrupt and mitigate their creative efforts.

"Fortunately, the evidence is that most criminals are not particularly novel or innovative."

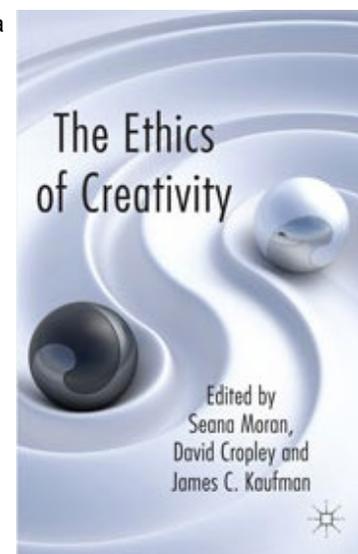
### The Baker IDI Blood Pressure Diet and Lifestyle Plan

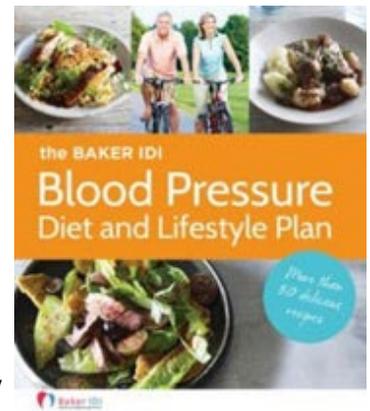
*The Baker IDI Blood Pressure Diet and Lifestyle Plan* has been written to help people manage their blood pressure and take control of their health.

UniSA Associate Professor of Dietetics and Human Nutrition Jennifer Keogh along with Professor of Nutrition Peter Clifton, both from the School of Pharmacy and Medical Sciences, are two of the three authors of the recently launched book.

Prof Clifton, who was involved in writing the book while working for Baker IDI, says the book is a useful resource for people with high blood pressure.

"At least 50 per cent of the Australian population aged over 50 have high





blood pressure, so it's a significant amount of people who are affected by it," Prof Clifton says.

"The recipes that Jennifer worked very hard on designing for the template and modifying to meet the demands of the book, are designed to actively lower blood pressure.

"Eating more fruit and vegetables and low-fat dairy has been proven in clinical trials to reduce blood pressure. The best way to reduce blood pressure though is to reduce your body weight and exercise.

"For example, a person with high blood pressure who loses five kilograms, can see the same results as they would if they were on high blood pressure medication."

In this comprehensive guide, the internationally renowned Baker IDI Heart and Diabetes Institute tells readers everything they need to know about high blood pressure – including what causes it, complications, medication, and strategies for reducing it. In addition, there are more than 80 easy, delicious recipes to help reduce blood pressure.

### **South Australian Criminal Law Review and Critique**

UniSA School of Law Lecturer Dr David Plater is one of eight authors of the first critical work on the criminal law of South Australia in the new book, *South Australian Criminal Law Review and Critique*.

"Legal textbooks usually focus on NSW and Victoria and any reference to South Australia tends to be limited at best and token at worst," Dr Plater says.

"This book overlooks both the distinctive nature of South Australia's criminal law and procedure and the rich contribution made to criminal law by South Australian jurists and academics.

"The book is an important development in the teaching and understanding of South Australian criminal law."

*South Australian Criminal Law Review and Critique* is aimed at both law students and legal practitioners.

The book is a joint and collegial initiative and collaboration of the faculty teaching criminal law and procedure in each of the three South Australian Law Schools at the University of Adelaide, Flinders University and UniSA.

Fourteen chapters review and critically evaluate criminal law theory and doctrines, major categories of common law and statutory offences and defences, and post-conviction processes. The work includes review of jurisprudence and statute, case studies and exercises, and critical assessment of the formulation, development, rationale and status of the criminal law.

Dr Plater wrote a chapter about non-sexual offences against the person with Kate Cashman of the University of Tasmania.

Former UniSA Law Lecturer Patrick Leader-Elliott also contributed to several chapters.

### **A personal approach to mental health**

A ground-breaking textbook which advocates for a more personalised approach to mental health care was launched at UniSA in April.

The book, *Mental Health: A person-centred approach*, was written and



edited by UniSA's Professor Nicholas Procter, Chair in Mental Health Nursing, with major contributions from colleagues Dr Helen Hamer, Denise McGarry, Rhonda Wilson and Dr Terry Froggatt.

"What is important about this publication is that it draws from the real experiences of people with mental health problems and the people who care for them, including family members and professionals working at the coal face of mental health care," Prof Procter says.

"Respecting the very individual nature of mental health issues in each person must be at the forefront of both teaching and practice if we are to improve outcomes for sufferers and this text is designed to support teaching and learning that reflects that change of emphasis.

"In any given year about 20 per cent of the Australian population, or one in five, will be battling a mental health problem.

"How well we manage their care has far-reaching implications – personally, societally and economically."

The book includes contributions from members of UniSA's Human Rights and Security Research and Innovation Cluster reflecting the multidisciplinary nature of tackling mental health care issues.

### The meaning of maps

A book that explores the history of mapping, particularly in Southeast Asia, has been a work of enjoyment and fulfilment for author and UniSA Lecturer in Architecture, Dr Julie Nichols.

*Maps and Meanings: Urban Cartography and Urban Design*, stems from Dr Nichols' PhD research about the changing role of the map in the creation of Southeast Asian and European cities around the 17th and 18th centuries.

"I thoroughly enjoyed my research on this topic, and wanted to continue the work and publish the writing in a professional publication," Dr Nichols said.

"The study itself was undertaken as a result of my thoughts and reflections on the subject from working professionally as an architect in Kuala Lumpur in the late 1990s.

"The pre-modern maps, particularly from Southeast Asia were the absolute highlight of studying the different way cultures see the world and represent it.

"They are beautifully crafted and presented as well as evocatively esoteric where worlds are continuous between afterlife and earthly life. This discovery in the book of the importance of spatial connectedness between life on earth, cosmological and spiritual worlds for Southeast Asians has a wonderful whimsical yet intricate nature to it whilst informing spatial design thinking.

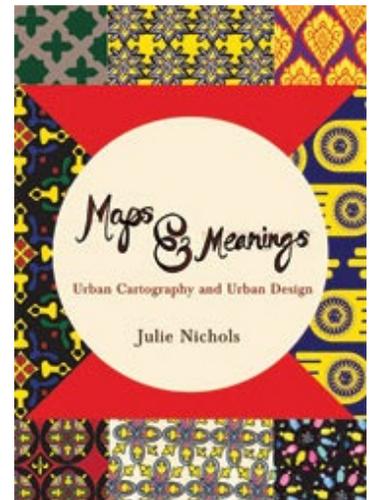
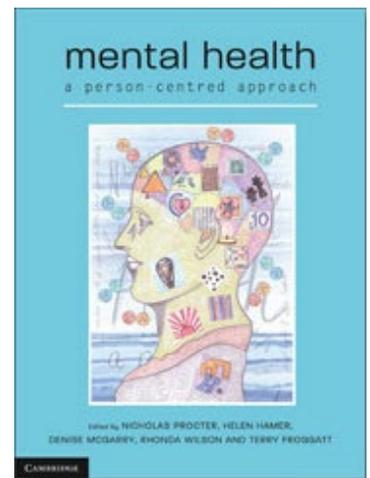
"The study reveals so many aspects of socio-cultural practices and meanings that are lost in realisations of the contemporary city, that the research represented a means and mode through discovering the myriads of maps to re-engage with those ideas."

The book is intended for a broad readership. It is useful for urban design, urban cartography and urban history students however Dr Nichols said the study itself is quite interdisciplinary and she has spoken about it at anthropology and geography seminars.

The book is now available on Amazon for purchase but is officially being launched at the end of the month with the assistance of UniSA's [matchstudio](#) students who will display an exhibition of the key concepts and a series of dust covers for the book.

The chosen cover for the book has been designed by Master of Design (Visual Communication) student Leah Zahorujko.

"I chose Leah's design as it encapsulated the essence and purpose of the book - in tracing and then



contrasting European and Southeast Asian historical representations of space, collating these ideas in a contemporary way to show the potentials and possibilities, if re-interpreted,” Dr Nichols said.

“It also captures the vibrancy and dynamism of pre-modern maps, in addition to their patterning and iconography which is all so visually engaging.”

The book is being launched on May 30 at the Kerry Packer Civic Gallery on UniSA’s City West campus. Anyone interested in attending should email [rsvp.aad@unisa.edu.au](mailto:rsvp.aad@unisa.edu.au) or contact Dr Nichols for any queries on phone (08) 8302 0445.

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