Transforming lives
The Lumen masthead is derived from the University of Adelaide motto “Sub Cruce Lumen” – the light (of learning) under the (Southern) Cross.

Studying at the University of Adelaide means being part of a rich tradition of excellence in education and research, with world-class academics and a vibrant student life.

Seek Light.
The light of new knowledge.

Welcome to the winter edition of Lumen, which focuses on the great benefits of a degree from the University of Adelaide. Read about our graduates in leadership positions; what motivates alumnus Gillon McLachlan, CEO of the AFL, and the difference our dentists make in the Community Outreach Dental Program.

At the University of Adelaide we remain committed to a vision of small group teaching and excellent research. In this edition you can read about our first foray into massive open online courses (MOOCs) where we explore ways to share our knowledge online with the wider global community.

The University of Adelaide’s rankings are higher than they have ever been, having achieved the largest leap of any Australian university in 2014. We will continue to encourage students and researchers to pursue their passion for new knowledge, and to support our alumni through their careers.

I hope you enjoy this edition of Lumen.

Professor Warren Bebbington
Vice-Chancellor and President

World rankings
Top 100 in QS world university rankings
164th in the world in Times Higher Education rankings
Top 200 in Academic Ranking of World Universities
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Front cover image:
From left: Sue Watson, Amanda Drewer and Laura Petroff. Read their story A life changing set of new teeth on page 10 (photo by Jo-Anna Robinson)

Many of the images used in this issue were supplied courtesy of the University of Adelaide Archives
www.adelaide.edu.au/records/archives
or email archives@adelaide.edu.au

WARNING: Aboriginal and Torres Strait Islander readers are warned that this publication may contain images of deceased persons.
As part of the University’s commitment to sustainable practices we encourage you to receive Lumen online.
To join our online mailing list please email alumni@adelaide.edu.au
Dear Editor,

I write to say how interesting I found the summer 2015 edition of Lumen. I left South Australia about eight years ago after graduating in agricultural sciences, working in Victoria, Tasmania and overseas, so my connection is through your magazine and periodic alumni gatherings.

Of specific interest in the latest edition was the item “Roseworthy takes up the fight”. My uncle John Omagh Robinson enlisted from Roseworthy in 1915. He grew up a few doors from the south parklands and had the task of milking the family cow that grazed there. At Roseworthy he focused on dairying and my grandfather later financed a dairy farm for him at Meadows. John brought to the district early knowledge and advocacy of sub-clover and superphosphate, then the use of the trace element molybdenum in fertilisers on pastures. This was a world first.

My parents bought a nearby farm where I was born and raised. I have early memories of my father and John scratching around in the pastures looking at seeding, and I then grew up with knowledge and skills of all of the operations of pasture growing and grazing.

In my teens a friend took me to stay with his uncle: Roseworthy graduate Lt Colonel David Fulton, shown with some soldiers in Syria below the Vice Chancellor’s message in the summer 2015 Lumen.

I too attended Roseworthy and the sub-clover annual pasture complex of southern Australia has also formed an important part of my work. I have two Masters and a Doctorate, medals, an AM and was Director-General of the Victorian Department of Agriculture. I have worked on most continents for the World Bank and Food and Agriculture Organization of the United Nations (FAO) and helped set up the Australian rural research and development bodies.

I am indebted to many, not least the Roseworthy diplomates who introduced me to what I call ‘practical scientific knowledge’.

Yours sincerely, Dr David F Smith AM (BA AgSc 1951, M AgSc 1961)
Since its inaugural meeting in May 2014, the Alumni Council has met four times over the past year and has committed to supporting a dynamic and relevant alumni program for the mutual benefit of alumni and the University.

Working with the University Engagement Branch and alumni leaders, the Alumni Council has identified five key areas of focus for 2015:

1. Build awareness and a sense of pride about what it means to be an alumnus.
2. Establish and grow programs that are relevant and beneficial to the age and stage of alumni.
3. Foster relevant connections through alumni communities.
4. Empower our alumni as advocates and supporters.
5. Provide relevant, personalised, clear and accessible communications that inform and enable information exchange.

Further information about your Alumni Council, including member biographies and a summary of meetings, can be found at adelaide.edu.au/alumni/council

I welcome your participation and contribution and encourage you to provide your input and feedback to the Alumni Council at alumni@adelaide.edu.au or +61 8 8313 5800.

“As the Chair of the Alumni Council it is my pleasure to lead a highly dedicated and enthusiastic team to advocate and work on behalf of all alumni.”

Right: Tim Cooper
(MBBS 1980, MBA 1998)

Thank you to our alumni who shared their feedback and suggestions as part of the market research survey conducted in late 2014. Almost 2,000 alumni participated!

Overall, alumni respondents currently felt more connected to the University than they did to their school or program of study, or to other alumni. Receiving updates on new research or innovations in your field is important.

We will continue to provide excellent service in the areas you already love and are now working to improve the issues you raised, including:

> Providing more tailored communications and relevant events with outstanding speakers and topics of interest to you
> Connecting you with your area of study and providing further opportunities for career development and lifelong learning
> Showcasing our research and providing access to information about innovations in your field of study

> Creating a more diverse suite of communication tools, including social media, to make sure you have every opportunity to know what is happening and how you can benefit from being more involved.

The survey will be repeated at the end of 2015 and continue on an annual basis. However, we welcome and encourage you to provide your feedback and share your ideas with us at any time. For more information about the survey, please contact Kim Harvey, Director of Alumni Relations on +61 8 8313 3196 or kim.harvey@adelaide.edu.au

40% of alumni who responded feel connected to the University
70% of respondents read Lumen
60% read The Roar, our monthly e-newsletter
86% believe the University has a strong reputation for research
In late 2014, Rear Admiral the Honourable Kevin Scarce AC CSC RAN (Rtd) was appointed as the 16th Chancellor of the University of Adelaide.

H is appointment caps a long and distinguished career that has included his role as 34th Governor of South Australia from 2007 to 2014. He saw active service in the Royal Australian Navy from 1968 to 2004, including on HMAS Sydney during the Vietnam War and as the Commanding Officer of HMAS Cerberus between 1995 and 1997.

Lumen reporter Renée Capps interviewed Rear Admiral Scarce about his career, his vision for the University and how it can contribute more to the revitalisation of South Australia.

**Chancellor, what is the value of a university education and how did your education help you in your career?**

Education is a critical enabler that empowers people to view our world through different lenses. The world today is changing so quickly that if we aren’t prepared to embrace change we won’t be successful as individuals, as a community or as a nation.

I completed my first degree in financial administration because I could see that I was not prepared for the challenges ahead. It gave me a fresh perspective, additional skills and the confidence to try different things. Subsequent degrees added to this core knowledge and kept me current with the ever-changing nature of my profession.

**What role does the University play in the South Australian economy? What can the University do to improve its contribution?**

The University of Adelaide is an important driver in South Australia’s economy. We employ 3,500 people directly and more than a couple of thousand indirectly. Over $460m per annum is contributed to the Gross State Product. And our universities are an important source of innovation and assistance to industry. With the South Australian economy facing significant financial challenges, particularly with the imminent closure of the car manufacturing industry, it is important for our University to focus on helping to unearth new business opportunities. Along with my University Council colleagues, I will encourage closer engagement with the community and business. We can do more to deliver skilled and talented graduates, innovative collaborations and research outcomes that will stimulate the State and excite the community’s interest in the University of Adelaide.

**What about the University’s contribution to the broader community and how important is the University’s role?**

There is a perception that we are not as engaged in the community as we should be. However, if you look at what has actually been achieved, I think we have a wide variety of partnerships and outreach programs. Our Community Outreach Dental Program, for example, provides dental services to those who can’t usually afford them and this has literally transformed lives. We also work closely with organisations in the northern suburbs of Adelaide to bring opportunities to the area and our Children’s University program brings exciting free learning activities to school children aged 7–14.

**What attracted you to the University of Adelaide?**

The University plays a pivotal role in educating the next generation of leaders. I want to be part of a highly respected institution with that goal. Education is absolutely vital for small economies trying to successfully compete in a global market. The University of Adelaide is a world-class research university and its academic achievements over the last 140 years and its plans for the future continue to excite me. We are competitive on the world stage, and we must continue to deliver excellence.

**What is your vision for the University of Adelaide?**

This is an incredibly important institution for the state and country. The University’s strategic plan Beacon of Enlightenment clearly indicates for me the vision of our University. We are in the business of preparing tomorrow’s leaders shaped by education rather than by birth or wealth. The quality of our academic and research endeavours will shape the future of our state and nation, and while education and research is at the core of what we do, I want to see more targeted engagement with the community.

**You have had a remarkable career. What do you regard as your biggest achievements and career highlights?**

Without doubt the greatest satisfaction and most important achievement for me is raising a family. I can’t take sole credit because my wife Liz has been a vital part of the partnership. Both our children, Kasha and Kingsley, have been educated at universities and are working in fields they enjoy – everything you could hope for as a parent.

In my working life I have had terrific opportunities in the navy, defence and industry. I tried to make the most of every opportunity, particularly in leading teams to deliver complex outcomes.

**Do you have any advice for someone starting their career?**

Firstly, I would suggest a plan for what you want to do. Be bold in your aspirations. I would also suggest making time to volunteer in the community. There are many worthy causes and unfortunately plenty of people needing that help. Our graduates are in a privileged position to have the skills to help others.
The University plays a pivotal role in educating the next generation of leaders. I want to be part of a highly respected institution with that goal.

**1952** Born in Adelaide and educated at Elizabeth East Primary School and Elizabeth High School

**1975** Married Elizabeth Anne Taylor, an officer in the Women’s Royal Australian Navy and they had two children

**1968–2007** Served in the Royal Australian Navy and on HMAS Sydney during the Vietnam War

**2007–2014** 34th Governor of South Australia

**2014** Appointed as the 16th Chancellor of the University of Adelaide

**Awards**
- **1994** Conspicuous Service Cross
- **2007** Knight of Grace in the Venerable Order of Saint John
- **2008** Companion of the Order of Australia

**Education**
- **1988** Bachelor of Financial Administration, University of New England
- **1990** Masters of Management Economics, University of New South Wales
- **1994** Master’s Degree in National Security Strategy, US War College (National Defense University)
- **2009** Honorary Doctorate, Flinders University
- **2014** Honorary Doctorate of Letters, University of New England
In 1895 when students wanted better accommodation and more student-focused services, they achieved their goals by working together and founding the Adelaide University Union (AUU).

1895 Union established - past presidents of the Adelaide University Union (AUU) include Julia Gillard.

1905 First Prosh event. Students make their way from Mitchell Building to Adelaide Town Hall in drays and wagons.

1909 Establishment of the Women’s Club. Helen Mayo was a founding member.

1927 Foundation stone of the Lady Symon Building (Women’s Building) laid.

1929 The Union established Unibooks, a not-for-profit business selling textbooks to students.


1946 Student Representative Council (SRC) established – past presidents include, John Bannon and Gordon Bilney BDS 1962, BA (Hons) 1966.

1958 Union Hall building completed, serving a wide range of activities including debates, drama, film and music.

1896 Foundation stone laid for the original union room, behind the Mitchell Building.

1896 Adelaide University Sports Association (AUSA) was founded by the Adelaide University Boat, Tennis and Lacrosse Clubs.

1910 University sports ground opened.

1927 Roseworthy Agricultural College Sports Union founded.

1929 Construction of the Memorial Cloisters completed.

1937 Foundation stone of George Murray building (Men’s Building) laid.

1954 ‘Prosh rag’ first distributed. It started as a satirical newspaper published by the students during Prosh week.

1960s Students protest Vietnam War.

1896 Sketch of first Union building.

1903 A Grade Tennis Club.

1905 First Prosh procession.

1910 University sports ground opening.

1929 Roseworthy College swimming team.

1937 Union Committee.

1937 Union Cloisters.

1946 Student Representative Council (SRC) established – past presidents include, John Bannon and Gordon Bilney BDS 1962, BA (Hons) 1966.

1958 Union Hall building completed, serving a wide range of activities including debates, drama, film and music.

1960s Students protest Vietnam War.

1895 - 1995: A Brief History of the University Union

A 120th anniversary story by Renée Capps.
The Union is responsible for many iconic aspects of the University and ensuring there is a thriving social life on campus. *On Dit*, student radio and the many clubs and associations are all run by the Union and are still a flourishing part of the University today.

Although no longer a part of the Union, the Adelaide University Sports Association and Uni Bar were both established by the Union and continue to play a big part in University life. The Union also has a colourful history in student activism. The late 1960s saw a rise in radicalism amongst Australian youth, especially as the student population increased when baby boomers entered university.

Demonstrations in this era were rife with students protesting the Vietnam War, participating in anti-apartheid demonstrations and speaking out against capital punishment. This tradition continues today: students took to the streets in 2003 to protest against the Iraq War and in 2004 to protest an increase in HECS fees.
Editing *On Dit* across generations

The first edition of *On Dit* was published by the Union in 1932 making it the third oldest student publication in Australia. *On Dit* has had many editors over its 83 year history. Samela Harris, editor in 1965, and current editor, Leighton McDonald-Stuart, provide insights into working on the paper.

Samela Harris

In 1964 I entered the University of Adelaide as a law student. It was an interesting time. This was the tail end of the Menzies era in Australia and the end of the epic rule of Sir Tom Playford as Premier. The 1965 election of Frank Walsh was to produce the first State Labor government in 32 years.

The lawyers I had known were poets and artists and, while I blithely envisaged a career path in an Adelaide law firm, I had not anticipated the rigours of rote learning and the inflexibility of the subjects ahead of me. I soon became a rebel student, arguing points of law which, of course, I could not change.

Then, John Bannon (LLB 1967, BA 1968, D Uni 2014), an older law student active in the Student Representative Council suggested I edit *On Dit*. He nominated me and I was duly elected alongside Piers Plumridge (LLB 1969) and John Waters (LLB 1967).

We were a diverse and colourful trio. There were lots of editorial disputes between the politically feisty Waters and the arty-farty me. Gentle Piers disapproved of our raucous debates and resigned spectacularly very early on – throwing his vintage typewriter down the hall outside the *On Dit* office.

Editing a paper was a new and challenging experience. I was lucky in that my father, poet and bookseller Max Harris, was editor of *Australian Book Review* at the time. He invited me to editorial sessions in which I could learn the art of layout. This was the era of galley proofs and layouts were done by cut-and-paste – long streams of paper, clipped and arranged on pages. Copy was, of course, done on the typewriter. You could easily find the *On Dit* office by the staccato racket of our clattering typewriter keys.

This was a vital period at the University. The Student Representative Council (SRC) was a powerful, well respected and supportive backbone for the student body. Some of its leading lights went on to become leading political figures, notably John Bannon, who became Premier and Chris Sunner (LLB 1966, BA 1968), who became Attorney General. Student activism was taken for granted and various causes brought students out en masse into the streets. Most memorable was the protest against the death sentence and what was to be the last hanging in South Australia, the case of Glen Valance.

Of my own special assignments, Bob Dylan’s first visit was the most exciting. It was my first superstar press conference.

Editing *On Dit* led to a career in journalism and I abandoned law as a lost cause. I went on to work for *The Australian*; AAP/Reuters in Fleet Street, London; *The Evening News* in Edinburgh; and then *The Advertiser* back in Adelaide. I was the first woman on two general news floors, the country’s first female Australian Rules Football writer in the 1960s and in the early naughties, I was *The Advertiser*’s inaugural online editor and founding chair of the Adelaide Critics Circle.

Recently retired, I continue to review theatre at thebarestfootreview.com. I am the Media Alliance’s President of Journalists in SA, the Convener of Women in Media SA and the Chair of the SA Media Awards.

All thanks to *On Dit*.

Leighton McDonald-Stuart

Leighton is one of three current editors and took over the position in December 2014. He is currently in his second year of law and arts.

Editor of *On Dit* is a tough balancing act and layout day is hectic. Everything is put on hold for 24 hours while you sort out the tiniest issues. Sometimes that involves staying at University until the wee hours of the morning.

My highlights have been interviews with Education Minister Christopher Pyne (LLB 1989) and Shadow Minister Amanda Rishworth (M Clin Psych 2005). Not many student magazines are afforded the opportunity to sit down with Ministers and Shadow Ministers, so it’s a reflection of the great esteem and reputation of *On Dit* outside the University.

Above: Leighton McDonald-Stuart
Right: Samela Harris, University of Adelaide 1965

Read *On Dit* online at ondit.com.au
Australian Rules football fans have lots to say about how they watch and interact with the game – and Gillon McLachlan is listening.

The commerce graduate at the helm of the AFL values the feedback and is taking steps to make the game more inclusive and accessible for all Australians.

Gillon grew up on his family’s farming property in the Adelaide Hills and graduated with a Bachelor of Commerce in 1995. He is the first to admit that the social aspect of University was at the top of his list of priorities.

“The friendships I made were a key part of my days at uni,” Gillon said. “I wasn’t a diligent student and probably could have spent more time hitting the books than I did socialising. However, the socialising was great fun and I made lifelong friends.”

His three brothers followed in his footsteps and also graduated from the University: well-known sports broadcaster Hamish (BCom 1997), Banjo (BSc 2001, LLB 2002) and Will (BCom 2005).

After relocating to Melbourne where he completed a degree in law, Gillon worked as a strategic consultant before joining the AFL in 2000 alongside CEO of the time and fellow Adelaide alumnus Wayne Jackson (BEc 1968).

Some 15 years later, Gillon was appointed CEO of the AFL, after several years as deputy. “My studies at Adelaide are a central part of my working life now,” Gillon said.

“The ability to build relationships in business life is something I’ve learned through both my schooling and university days. It’s a core part of every day.”

One of his first points of business as CEO was to address the concerns of football fans, particularly the high cost of attending games.

“The feedback from fans for some time has been that the costs around football – food, parking and transport – are a significant impediment for them attending games,” Gillon said.

A considerable amount of work has been done during the off-season on the fixture, as well as working with the AFL’s two largest venues, the MCG and Etihad Stadium in Melbourne, to lower food and beverage prices and make the games more affordable and accessible.

“The decision to cut prices has been extremely popular with fans and we have to continue to work to achieve the same outcomes around the country,” Gillon said.

Another important issue on the agenda is preparing athletes for a life after football and providing the time and opportunities for them to undertake a tertiary education.

“It is vital for players to have the opportunity to attend university if they wish, both for their professional and personal development,” he said.

“Education was a great part of my life and it’s a wonderful time for most people.”
Whether it is developing rapport, relieving pain or enabling a smile through restorative work – my skills make a huge difference – and that is what I get out of it, the satisfaction of making a small but positive impact on an individual’s life.
Since 2011 the University of Adelaide’s Community Outreach Dental Clinic has been transforming lives and improving health by offering free dental care for the city’s homeless.

Sue Watson first visited the dental clinic in early 2014. She had been homeless after escaping from domestic violence and recently had a bad experience with a dentist leaving her with no teeth and no self-confidence.

“I was shattered and I didn’t want to talk to people,” Sue said.

She was referred to the Community Outreach Dental Clinic by a job network and met dentist, Dr Laura Petroff (B Oral Health 2008, B D S 2013) and dental assistant, Amanda Drewer.

“They really did save my life. Laura and Amanda are like family, coming here to see them is like visiting my sisters,” she said.

Sue had the remainder of her teeth pulled out, with Amanda holding her hand. Over an eight-month period Sue was given new teeth and a new lease on life.

“I was promised new teeth by Christmas and by George I got them!” Sue regained her self-confidence and was able to start part-time work. She recently graduated with a certificate 3 in horticulture and is studying land management and conservation, and hopes this will lead to her dream job of working in a national park.

Laura graduated from the University of Adelaide in 2013 with a Bachelor of Dental Surgery. She is now working in private practice as a dentist and volunteers at the clinic on a fortnightly basis. Laura remembers Sue being embarrassed about her teeth and covering her mouth when she first came in.

“Now the confidence and happiness radiates off her and I feel truly privileged that I was involved and able to help make it happen,” Laura said.

Laura completed rotations at the dental clinic while studying and decided to continue volunteering because it is a rewarding way of helping those in dire need of dental care.

“Whether it is developing rapport, relieving pain or enabling a smile through restorative work – my skills make a huge difference – and that is what I get out of it, the satisfaction of making a small but positive impact on an individual’s life.”

Margie Steffens (B Sc (Hons) 2014), director of the clinic explained that the program relies on volunteers and donations to keep it running.

“While Federal Government funding helped to get the program off the ground, in the long term it needs to be sustainable,” Margie said. “We are fortunate that a lot of our staff and students, as well as Adelaide dentists, are giving their time free of charge to run the clinic. We need to keep the momentum going because this service is absolutely critical for a part of our community that often misses out.”

100% of donations to the Community Outreach Dental Clinic will support people like Sue. Donate today www.alumni.adelaide.edu.au/dental

Left to right: Amanda Drewer, Sue Watson and Laura Petroff at the Community Outreach Dental Clinic (Photo by Jo-Anna Robinson)

Ageing and Living Well Think Tank & Innovation Collaborative
9-11 November 2015 • Crowne Plaza, Hindmarsh Square, Adelaide

This leadership think tank will bring together leaders, practitioners, academics and policymakers to identify, explore and evaluate opportunities for effective innovation.

Find out more and register: ecic.adelaide.edu.au/connect/ageing-well-think-tank

Program highlights
▶ Welcome dinner and discussion forum led by Professor Alison Kitson, Dean and Head of Nursing, University of Adelaide
▶ International and national keynote speakers
▶ Fifteen interactive workshops facilitated by experts on finance, technology, lifestyle, informatics, entrepreneurship, medicine and ageing, the built environment, gender and ageing, working regimes, nutrition, resource planning, person and relation-centred care, and healthy ageing policy
▶ Research and Innovation debate chaired by Professor Christopher Findlay, Executive Dean, Faculty of the Professions, University of Adelaide
▶ Launch of Ageing Well Innovation Collaborative to integrate innovations with deliverable outcomes
Improving protection for our most vulnerable children

Children are the most vulnerable in society for disease and infection. While vaccines have been developed to prevent the spread of many diseases, there are still children who are at risk from not being vaccinated.

Associate Professor Helen Marshall and her team at the Robinson Research Institute want to change this and achieve a vaccination rate of 98 per cent in Australia.

Helen is a Senior Research Fellow at the Robinson Research Institute and Senior Medical Practitioner at the Women's and Children's Hospital. Her main area of research is testing the safety and effectiveness of new vaccines, with a particular focus on the groups most vulnerable to severe disease and complications from vaccine preventable diseases, including pregnant women and infants.

This is a particular area of interest for Helen with a recent appointment to the World Health Organisation Task Force established to investigate the safety and effectiveness of vaccines for pregnant women.

A recently completed National Health and Medical Research Council (NHMRC) funded study by Helen's research group the Vaccinology and Immunology Research Unit in collaboration with interstate investigators, is examining whether vaccinating babies against whooping cough when they are born will provide better protection against this life-threatening infection. In the largest study of its kind in the world, 440 babies took part in a clinical trial with the results now being analysed to determine whether it should be implemented in national immunisation programs.

"Babies are vaccinated from six to eight weeks of age, so there is still a period when children are susceptible, not only because they are not vaccinated themselves but also because newborns are at higher risk of severe disease from infections such as whooping cough," said Helen.

Another strategy to protect infants against whooping cough is to vaccinate the mother while she is pregnant. Immunising pregnant women provides protection through the transfer of antibodies to her newborn. This has already been effective in reducing infant deaths in the UK where the program was successfully implemented.

"We hope that vaccinating pregnant women or vaccinating babies at birth could provide the best protection against infections such as whooping cough while infants are at most risk."

With a long history with the University of Adelaide, Helen completed her Bachelor of Medicine and Bachelor of Surgery in 1988. She returned to the University to complete her Masters of Public Health degree in 2004 and was awarded her Doctorate of Medicine in 2011.

She became interested in child and public health after completing her fifth-year year medical elective in Western Samoa.

"I was working on a paediatric ward and had the chance to investigate and manage children with infectious diseases. I applied to do paediatrics when I got back to Australia and was given the opportunity to work in vaccine research – I was hooked!"

In another study, Helen and her team are investigating if they can increase the uptake and timeliness of immunisation using social media. Approximately seven to eight per cent of parents don’t complete their children's immunisations despite believing they should. There are a variety of reasons from lack of resources and disadvantage, busy lifestyles with other priorities, living in remote locations or simply forgetting.

The program is called VAXSMS and it is trialling an SMS reminder application and reminder calendars to prompt parents when it is time to vaccinate. The study is particularly focused on improving timeliness and completion of immunisation for Aboriginal and Torres Strait Islander children.

Helen sees this as a simple and hopefully effective way to increase the rate of vaccinations in vulnerable young infants.

"I get excited about exploring the different ways we can improve immunisation, particularly for children who are missing out on the best protection we can provide, and I also see this as a way of improving protection for the whole community."

Helen says it is only a small proportion of people who do not support immunisation, around one per cent, although on a population level this translates to a lot of children who remain unprotected. She says the exciting thing about immunisation is that every time a child is vaccinated, they are not only protecting themselves against disease, but every person they come into contact with by reducing the chance of spreading infection.

"Immunisation is a community responsibility. In our current individualistic society it is one way we can help ourselves while helping others around us and improve protection for both our children and the community."

The Robinson Research Institute is a collective of internationally renowned researchers in human reproduction, pregnancy and child health at the University of Adelaide. Their focus is to improve the health and well-being of children and families in Australia and around the world.

The Robinson Research Institute relies on the generosity of the community to fund priority research projects. To learn more please visit: www.adelaide.edu.au/robinson-research-institute

Right: Associate Professor Helen Marshall
Immunisation is a community responsibility. In our current individualistic society it is one way we can help ourselves while helping others around us and improve protection for both our children and the community.
Inspiring the next generation of music students

The University’s Elder Conservatorium of Music is set to benefit from the appointment of Professor Graeme Koehne AM (BMus 1977, MMus 1986, DMus 2002) as its new Director.

One of Australia’s most successful composers, Graeme says he became obsessed with classical music, playing the piano and the idea of composing his own music in his last year of high school.

“I attended a typical outer suburban school without a music program. I took physics, chemistry and double mathematics up to year 12 with the intention of going on to a science degree – which seemed a very responsible choice – but in my last year at high school the music bug took over,” Graeme said.

“I was fortunate to arrive at the Elder Conservatorium just as the enfant terrible of Australian music, Richard Meale, started teaching composition. Richard had a huge influence on my studies and my career ambitions and I soon became single-minded about writing music.”

Graeme has enjoyed great success both in Australia and overseas, with his long list of nominations, awards and achievements a true testament to his passionate approach to music.

“Today’s music graduates need a portfolio of skills—in music performance, teaching, and multimedia—to name a few. This will enable them to adapt and apply their skills to a wide range of future career opportunities.”

“My immediate concern is to revise and streamline our curriculum to keep it relevant to the challenges and opportunities for music in the 21st century,” Graeme said.

“We are committed to strengthening our reputation for elite musical training while, at the same time, growing our burgeoning new areas of teaching in popular music and creative technologies.

“My advice to young musicians is always the same: come to university with an open-mind, curiosity and be prepared for consistent, long-term, hard work.”

Above: Professor Graeme Koehne
Director, Elder Conservatorium of Music (Photo by Jo-Anna Robinson)
A new era for the Elder Conservatorium

In May, the University outlined a plan for change at the Elder Conservatorium including:

The Classical Voice major in the Bachelor of Music (Classical Performance) will become part of Vocal, Conducting and Ensemble Studies, currently led by Associate Professor Carl Crossin OAM, while the Classical Voice major will continue to be offered at undergraduate and postgraduate levels.

Classical Voice and Classical (Instrumental) Performance students will have more opportunities to work with industry partners such as opera companies and orchestras.

One to one and small group teaching will remain central to the learning experience.

The Centre for Aboriginal Studies in Music (CASM) will have a renewed focus on excellence in Indigenous research and education.

Aspiring Indigenous music students will be encouraged to apply directly for the University’s flagship Bachelor of Music and pursue streams including jazz performance, classical performance and popular music.

Pre-degree foundation and pathways programs will still be available for Indigenous students wishing to study music and enter the Bachelor of Music, Bachelor of Arts and other degree programs.

We want the Con, which is owned and loved by the community, to make a lasting impact on culture and education for many years to come. We cannot allow it to stagnate. That means making changes now for the future.

Professor Jennie Shaw
(Executive Dean, Faculty of Arts)

Wonders of the Waite Arboretum revealed

A free mobile app promises to make the wonders of the University of Adelaide’s Waite Arboretum more accessible than ever.

The Waite Arboretum, at the University’s Waite campus, is a living tree museum and repository for species now considered rare and endangered in the wild.

The new app contains information on all 2,300 tree specimens in the Arboretum and features an interactive map, allowing visitors to search and locate their favourite trees. The map also allows users to track their GPS positions within the Arboretum and discover information about trees in their immediate area.

The University of Adelaide is the only university in Australia to have a dedicated arboretum. It was established on land given to the University by Peter Waite for the enjoyment of the public. It is open every day of the year from dawn till dusk, except on days of high fire danger.

The Waite Arboretum app is free to download from the iTunes App Store and Google Play.

For more information contact Jennifer Gardner on +61 8 8313 7405 or jennifer.gardner@adelaide.edu.au
Sustainability research supports a greener future for Australia

Creating a new type of crude oil

Renewable fuels company Muradel, co-founded by the University of Adelaide, could help Australia become a world leader in biofuels production.

Led by Associate Professor David Lewis (BE 1999, PhD 2004), Muradel is a joint venture between the University of Adelaide, Adelaide Research and Innovation (the commercial development company of the University of Adelaide), Murdoch University, and commercial partner SQC.

Australia’s first demonstration plant producing sustainable fuels launched in Whyalla in October 2014. Using Muradel’s Green2Black technology, the plant sustainably converts microalgae produced on site, plant biomass and organic waste into green crude.

Within minutes Muradel’s energy-efficient water reactor converts biomass into a green crude oil equivalent to fossil crude.

Standard oil refining then produces a cost effective and environmentally-friendly transport fuel which could replace the fuels we use today.

“Green crude is exactly the same as fossil crude. The only difference is that green crude is renewable,” David said.

“We are also working towards renewable diesel and jet fuel which could transform the transportation industry.”

The $10.7 million demonstration plant will produce 30,000 litres of green crude per year. It is a first step towards a commercial plant with the potential to produce more than 50 million litres of sustainable fuels per year.

Muradel plans to open its first Australian commercial plant by late 2017.

Below: Muradel’s 4000m² production pond in Whyalla. (Source: Muradel)

Harnessing the sun’s energy

The University’s Centre for Energy Technology (CET) has positioned itself at the forefront of concentrating solar thermal power research and development.

Under the leadership of Professor Graham ‘Gus’ Nathan (BE (Hons) 1984, PhD 1989), CET leads the Solar Fuels project which forms part of the Australian Solar Thermal Research Initiative (ASTRI).

ASTRI brings together leading partner CSIRO with solar thermal research partners from six Australian universities as well as collaborators from the United States.

The aim of the Solar Fuels project is to reduce the operating and maintenance costs of concentrating solar thermal (CST) power stations.

To produce CST power, mirrors are used to concentrate sunlight between 50 and 2000 times its normal strength. The reflected sunlight is directed along a pipe filled with a fluid or particles and heated to a high temperature.

Using inbuilt storage capacity, the heated fluid or particles are captured and stored as thermal energy in a gas liquid or solid form. This stored thermal energy is used in a turbine to produce electricity and can also be used to supply heat for industrial processes such as in timber, textile and paper processing.

While common household solar panels use sunlight to create electricity instantly, an alternative energy source is required when the sun isn’t shining.

However, stored thermal energy isn’t instantly transformed into electricity so has the advantage of being more flexible about how and when it is used.
CST stations will be most beneficial in outback environments where they can help power remote settlements, farms and industries. Dr Woei Saw (BE 2004 PhD 2009) from the Centre for Energy Technology says that researchers working with the ASTRI solar fuels program are using this technology to produce a highly efficient and cost-effective solarised transport fuel.

“We have completed the first stage of the project – a six-month scoping study of various CST fuel technologies. The second stage is to provide a proof-of-concept of the proposed CST technologies,” said Saw.

“Greener ways of thinking can reduce business costs. Cities are a great example. If we shade the buildings, the walls and the roads with more trees and plants, it reduces the heat absorbed during the day, lowering radiated heat at night.”

“This can cut energy costs and carbon emissions as well as increase the quality of the air we breathe.”

“A greener future makes economic sense, however the economic benefit is not enough for businesses and organisations to change. Transformational change usually requires a culture shift and a new way of thinking about sustainability.

“We need to consider the whole picture, not just part of it.”

For buildings there are proven benefits for workforce productivity by enriching work environments with greener buildings and office green space.

People working in these environments are likely to be more productive than those in bare spaces without trees and plants.

Simon’s research titled Integral Action Loops provides strategies for businesses to help them increase their sustainability and reduce operating costs while supporting a greener future.

Below: One Central Park residential towers in Sydney combine nature with city living. (Photo courtesy of The Bravery)
Over dinner one night while chatting about family history with her two grandmothers, Gemma Gransbury discovered all her grandparents had attended the University of Adelaide.

This sparked her curiosity and started Gemma on a mission to trace the family connections to the University. “I felt a strong connection to the University, my second home of four years, and wanted to find out more,” said Gemma.

She was able to trace the Gransbury connection back 140 years to William Everard who was appointed to the first University Council and sat alongside the founding fathers of the University, including the first Vice-Chancellor Augustus Short. William established the William Everard Prize at the University which is still awarded to an outstanding medical student each year.

William had no children himself so the University legacy was carried on by his great nephew, James Edward Everard, who graduated in December 1910 with a Bachelor of Medicine and Bachelor of Surgery.

The tradition of medicine and science is strong with James’ daughter and Gemma’s grandmother, Betty Ann Gransbury (nee Everard), who completed her Bachelor of Science, majoring in organic and inorganic chemistry in 1945 and her Honours in organic chemistry in 1948.

Gemma has followed in her grandmother’s footsteps and in 2013 she graduated with a degree in science with a double major in chemistry. She completed her Honours year in 2014 and was awarded the Honours Alumni University Medal. Gemma is now embarking on her PhD in inorganic chemistry at the University of Melbourne.

Despite the similarities, Gemma says she was not influenced by her grandmother when deciding what to study. “I didn’t find out that Gran had studied chemistry until I was in year 12 and by that stage I had already decided I wanted to study science,” said Gemma.

“I was pretty excited when I realised we both did double chemistry majors!”

Betty, who was awarded an OAM in 2006 for service to the community, married Bazil William Gransbury, who completed his Diploma in Agricultural Science at Roseworthy Agricultural College.

Gemma’s maternal grandparents, Mary Jean Horne (nee Hill) completed a Diploma of Arts and Education in 1958 and Leonard William Horne completed a Bachelor of Arts in 1968 and a Diploma of Education in 1972. Their daughter, Gemma’s mother, Marie-Louise Gransbury (nee Horne) completed a Bachelor of Science in 1982.

There is also a history of doctors in the family that can be traced back to Dr Charles George Everard who was the first doctor in South Australia, arriving on the Africaine in 1836. Gemma’s brother, Thomas William Gransbury, is continuing the medical connection with the University, and is currently in his second year of a Bachelor of Medicine and Bachelor of Surgery.
Predicting the course of mental illness

University of Adelaide researcher Professor Bernhard Baune’s work in mental illness is specifically looking at an alternative way to diagnose and treat patients with psychosis and depression.

With a focus on young people, Bernhard’s current work is looking at both clinical markers, (which include clinical symptoms, cognitive abilities and MRI scans) and biological markers in patients’ blood to predict the course an illness will take. His hope is that this will lead to earlier treatment options and better outcomes for patients.

“For a long time researchers have been looking at clinical markers to predict the onset, course or treatment of illnesses. So the question isn’t new, but we believe the answer will be new and different,” Bernhard said.

As Head of Psychiatry at the University, his study is looking at the biology of mental illness, what is actually happening in the brain and if you can test this using biomarkers. If his theory is proven, the process would require a simple blood test followed by analysis to predict the course of the illness.

While psychosis and depression are different for each person, the illnesses tend to follow one of four courses ranging from one episode with full recovery through to an episode leading to severe permanent decline.

Currently, at the start of an illness everyone is treated in the same way. When the first signs of psychosis or depression occur, psychiatrists cannot predict which course the illness will take and treatment becomes reactive rather than preventative.

Bernhard says the onset of an illness is a critical period where multiple assessments need to be performed to predict what will happen in the future.

“Once you are in a better position to predict the course of the illness, you are in a better position to select the treatment.”

The difficulty in this research is that there are hundreds, if not thousands, of numbers and combinations of biomarkers. Psychosis and depression are complex illnesses and a single marker alone cannot provide a reliable diagnosis.

The research was made possible by funding from the James and Diana Ramsay Foundation, a private foundation established to foster excellence in the arts and medical research, and to support programs for youth at risk.

“We are grateful for their support which has enabled the identification of biomarkers and will also support the second step which is using these findings in clinical trials,” Bernhard said.

Kerry de Lorme, General Manager of the Foundation, says they have a history of supporting youth at risk programs which led them to direct their medical research funding to youth mental health issues.

“We hope that through the support of the James and Diana Ramsay Foundation, Bernhard and his research team will produce key findings in predicting the course of mental illness, and as a result be able to provide early treatment options for the many young people suffering mental illness,” said Kerry.

For more information about supporting the University, visit adelaide.edu.au/give
Volunteers make a valuable contribution

The University of Adelaide has one of the largest volunteer programs at any university with volunteers making an invaluable impact on the culture and vibrancy of campus life.

Erica Boyle
Volunteer in the Urrbrae House gardens and Waite Arboretum
I moved to Adelaide from Argentina a year ago and volunteering has helped me settle into my new life. I am studying English as a second language and part of my course was to complete work experience. That’s how I discovered the Urrbrae House gardens. I studied agronomy in Argentina so volunteering here means I can use my knowledge of plants and practice speaking English. It has been a great experience and I love working in such a serene environment.

Linh Dan Luong
Current student
Bachelor of Media student and volunteer with the Compass program
Being a volunteer with the University, especially the Compass program, has been the best experience since arriving in Adelaide six months ago. Through the program, I have made new friends and learnt a lot about Australian life and culture. Volunteering has given me a sense of community and family, something I didn’t imagine would happen here in Adelaide for a Vietnamese girl like me.

David Penn
AU Sport President and volunteer of the AU Cricket Club
I am currently the President of the AU Sports Board and coach the women’s cricket team. I joined the AU Cricket Club as an undergraduate and have been there ever since. Over time I’ve had opportunities to contribute to the running of the club through committee work and now through coaching. I’ve had an enormous amount of enjoyment from my involvement in sport and coaching allows me to give something back, hopefully by passing on my knowledge and enthusiasm for the game. In particular I’m glad to be able to help increase female participation in cricket.

In recent years I’ve enjoyed contributing to the wider AU Sport community by serving as a Board Member and now as President. We all know university life is more than lectures and exams; it’s about the wider university experience and for some students sport is a big part of that. I’d encourage anyone to get involved in volunteering and to contribute in some way; all clubs, sporting or otherwise, need plenty of good volunteers to help them thrive.

Margaret Harrison
Volunteer in the Barr Smith Library’s Theatre and Performing Arts Program
I have volunteered with the Theatre and Performing Arts Program since it began 10 years ago. Each week we meet to sort, date and file donated theatre programs and enter the data into Austage, the national performing arts database. I love theatre and concerts and their history so this volunteering position is the perfect fit – it is interesting and has a genuine research purpose. I have made many friends and we love to reminisce about performers and shows we’ve seen in the past and loved, which often helps with cataloguing. Volunteering at the University is one of the best things I’ve done in a long life of volunteering.
In 2014, nearly 2,300 volunteers contributed over 128,000 hours of service equating to a dollar value of $3.5 million.

Volunteers participated in over 30 different programs across the University. They come from all walks of life, and include alumni. They can work in a vast array of areas including in archives, welcoming new international students to Adelaide, hosting radio shows through Radio Adelaide, and helping to preserve the 147 hectares of the Waite Reserve.

“Our volunteers include alumni, students, staff and the general public. They join an environment that fosters and encourages volunteer satisfaction, including learning new skills, and making professional and social contacts. We encourage all alumni to join in,” said Kerry James, Volunteer Program Coordinator.

Some of our volunteers have spoken to Lumen about why they get involved and what motivates them.

Brian Ward

June Ward
BA 1967, DipPrimEd 1967

Brian is a member of the Hughes Bequest Committee and a guide for heritage campus tours. Both Brian and June are volunteers with Special Collections.

In our retirement my wife and I are enthusiastic volunteers in various capacities. We are grateful because who and what we are is attributable in large measure to the years of experiences gathered at the University of Adelaide. Our undergraduate and postgraduate studies extended over two decades in arts and education. We are proud of our alma mater and glad to contribute to its future. Volunteering gives us great personal satisfaction and keeps us connected to one of our most important institutions.

Peter Chisholm
Volunteer in the Urrbrae House gardens

I was introduced to the Urrbrae House gardens by a dear friend, Torben Davidson, who was a volunteer for many years. He convinced me to get involved and I’ve never looked back! I’ve been volunteering in the gardens for 14 years and it is a part of my life. Every Tuesday morning I help in the gardens with jobs like pruning, weeding and general maintenance, depending on the season. I’ve always loved roses and it’s a privilege to be part of the team. I would encourage people to volunteer – it’s a great feeling to give back and help out.

Anne Rabone
Volunteer at Urrbrae House in the History Program for Primary Schools

In the history program we try to give children a sense of what it was like to live and work at Urrbrae House in the 1890s. We dress up in costume and step back in time to learn about being a servant, a schoolchild or a wealthy landowner. I often play the role of the cook or laundry maid which means I can misbehave – it’s much stricter upstairs! It’s so rewarding working with children and seeing their eyes open when they learn how different life was back then.

Andrew Bradley
BE 2012, BEd 2013

Volunteer with the Talking with Aussies program

Initially I volunteered to meet Chinese international students in an attempt to improve my spoken Chinese, which had fallen out of practice. I also wanted to support international students – imagine how terrifying it must be to move to another country to study in a different language. The volunteering program provides a helping hand to new international students and adds a human element in the form of “G’day, welcome to Australia, mate”. International students I have met through the program have found it easier to integrate into the University and, by extension, Australian culture. Through the program I’ve realised the importance of support and friendship with the people I’ve met, and the impact it has on our lives.

To find out more about volunteering, visit adelaide.edu.au/volunteer or contact Kerry James, Volunteer Program Coordinator on +61 8 8313 3354 or volunteer@adelaide.edu.au

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MOOCs offers world-class education, online, for free

With more than 65,000 people in more than 160 countries signing up within the first six months, there is no doubt that AdelaideX courses are off to a flying start.

AdelaideX, named after the technology provider edX, is an interactive online portal for learners of all ages and backgrounds to tap into the world of higher education – at no cost.

Run by leading academics from the world’s best universities, massive open online courses (MOOCs) are short courses on various topics. Learners log on to watch video tutorials, complete assignments and participate in group discussions with other learners.

In 2015 AdelaideX has offered MOOCs on human biology, wine, coding and programming, cybersecurity and endangered languages. The first courses, Essential Human Biology and World of Wine, have been so successful they were released again in June and remain open for the rest of the year. Most MOOCs worldwide are in English, but selected AdelaideX courses will be translated for Chinese learners through edX’s national partner, XuetangX.

Program Manager, Dr Katy McDevitt, says that AdelaideX already seems to be inspiring its students to pursue further learning opportunities. In a survey of learners at the Essential Human Biology course, 80 per cent of respondents said taking the course had positively influenced their intention to undertake further study, and 77 per cent said they intended to take another AdelaideX MOOC.

“I’m looking forward to seeing our learners make the most of a free and highly valuable learning opportunity,” says Katy.

The forums are alive with messages between participants located around the world, discussing why they are undertaking the course and what they hope to get out of it. One participant, a tattoo artist, thoroughly enjoyed the biology course because it provided an understanding of skin and its structure.

University of Adelaide PhD candidate, Lieke van der Hulst, explains her inspiration for signing up. “Even though I have some experience with wine through jobs at cellar doors and in wine bars, I really wanted more knowledge on winemaking and the factors influencing the taste and aroma of different wines,” she says.

“I’m hoping to get my wine knowledge to a point where I can not only describe a wine, but also understand where certain flavours come from.”

The convenience of online learning attracted Annette Gilson, a former student of the University of Adelaide.

“The convenience is a huge advantage as is learning at your own pace each week, which reduces any perceived worry of falling behind or comparing yourself with other students,” she says.

MOOCs allow students considering further study to get a taste of university, however these courses would equally suit those looking to refresh their knowledge, gain new skills, or simply to find out how their own area of study has changed since their time at the University.

Alumni are encouraged to peruse the available courses and sign up through the AdelaideX website adelaide.edu.au/adelaidex or the main edX website at www.edx.org.

Follow the AdelaideX Facebook and Twitter accounts for regular updates.

Next course:
Language Revival:
Securing the Future of Endangered Languages
Learn how the world’s endangered languages are revived and why this process is critical to preserving cultural identity.

Begins 28 July 2015
Stay connected
to your alma mater

As a graduate of the University of Adelaide, you are a lifelong member of the alumni community with access to a wide range of benefits and services.

Alumni events: Networking and general interest events are held for alumni throughout the year in Adelaide and major cities in Australia, Asia and Europe.

Publications: In addition to the biannual alumni magazine Lumen, alumni can also register to receive a monthly e-newsletter.

Alumni networks: There are a range of alumni networks to join, based on your geographical location or area of interest.

Reunions: There is a thriving program of reunions organised by alumni themselves. Each year the University hosts the Golden Jubilee reunion where alumni celebrate the 50th anniversary of their graduation.

Alumni awards: University of Adelaide alumni continue to make an impact on the world. Our awards program recognises outstanding alumni who are making significant contributions within their profession or community.

Library membership: As an alumnus you can join the Barr Smith Library for an annual fee of $55. This will provide access to the library as well as a large range of e-journals and databases.

Make a difference
to current students

Alumni can help current students by joining one of our many volunteer programs including:

> Supporting new international students through the Experience Adelaide program

> Mentoring current students and providing vital career advice through the Careers and Industry Mentoring program

> Helping international students improve their English through the Talking with Aussies program.

Stay connected to receive the most from your alma mater:
adelaide.edu.au/alumni

Make sure your contact information is up-to-date:
www.alumni.adelaide.edu.au/contact

Join us on LinkedIn:
search ‘University of Adelaide’
International lawyer and music icon receive honorary degrees

International lawyer and jurist James Crawford and renowned singer and director Robyn Archer were among the nine distinguished leaders awarded honorary doctorates (honoris causa) recognising their significant contributions, achievements and service to the community.

They joined over 3,400 new graduates from the University in ceremonies held over April and May.

“These nine individuals are exceptional members of our community and we are particularly proud that six of them were educated at the University of Adelaide,” said Professor Warren Bebbington, Vice-Chancellor and President.

Robyn Archer AO

Robyn Archer AO (BA 1970 Dip Ed 1973) received a Doctor of Music to acknowledge her contributions as a singer, writer, composer, stage and artistic director, and public advocate for the arts in Australia and internationally.

“I’m genuinely honoured that my decades of work in music, including the enabling of many other musicians and arts workers, is recognised with this doctorate, and it’s especially gratifying that it comes from my alma mater,” said Robyn.

Robyn grew up in Adelaide and started her singing career at the age of four at her grandparent’s pub in North Adelaide. While studying at university she continued to sing jazz, folk and rock and roll and performed in revue, music hall and children’s theatre. Robyn’s singing career was interrupted by a motorbike accident, at which time she took a break to teach high school for two years before resuming singing.

Robyn won the Helpmann Award for best cabaret performer of 2013. She is currently the Artistic Director of the Light of Winter, Strategic Advisor of Arts and Culture for the Gold Coast and Deputy Chair of the Australian Council.

Professor James Crawford AC SC

Professor James Crawford AC SC is one of Adelaide Law School’s most distinguished graduates and a former Professor at the University. He was elected as Judge of the International Court of Justice (ICJ) in The Hague in 2014 and commenced his nine-year term this year.

James received a Doctor of Laws at the ceremony where he paid tribute to former classmates and honours students he had taught, and passed on advice to new graduates at the ceremony.

“My message is seize the day. Grasp opportunities that come to you in your legal and leadership careers. There is nothing you cannot do if you don’t try. Others may seem to limit you, don’t limit yourselves,” he said.

James has previously held appointments as Professor of Law at the University of Adelaide, Dean of Law at the University of Sydney and Whewell Professor of International Law at the University of Cambridge.

His reputation as an international lawyer and jurist has continued to grow over the years, with over 100 cases in international litigation. He has appeared in key cases before international tribunals and bodies including the ICJ itself, as a lawyer, rapporteur and expert witness.

He received the University of Adelaide’s Distinguished Alumni Award in 2012 and in 2013 he was made a Companion of the Order of Australia.

To read more about the honorary doctorates awarded visit www.adelaide.edu.au/news/news77642.html
Dear Mrs. Denholm,

My name is Andrew Farrer and I am writing to you as the 2014 recipient of the L.F. and D. Denholm scholarship. I wanted to thank you for your generous donation to the University in memory of your late husband, and to explain my research project and how the funds are supporting my studies.

I clean the teeth of skeletons, uncovering new insights into personal and human histories. Using the preserved DNA from microorganisms that lived in the mouths of our ancestors, I reveal information about that person’s life history. The specific pattern of bacteria present reveals previously unknown information about that individual’s environment and lifestyle. This research is a unique way of learning about people’s lives.

At the Australian Centre for Ancient DNA, I use dental calculus (a hardened form of dental plaque) from archaeological specimens to retrieve this microbial information. Calculus forms from the bacterial layers that grow on our teeth, and provides one of the only sources of ancient DNA representing the human bacterial community. The methods to recover such DNA have only become available in recent years, meaning my work and the University are on the leading edge of this research.

Specifically, my research looks for patterns within the bacterial community that differ between people of different classes, professions, and religions. I will also be exploring how these differences are maintained or change through time. As a result, I hope to be able to understand the impacts of all kinds of cultural changes, such as wars, epidemics, and trade, exploring an unknown layer of human history for the first time. Insights will include information on the diets, diseases and migration of the people of past societies. The groundwork will also be laid for using ancient, bacterial DNA as an archaeological tool while providing information related to modern medical research of the bacterial community.

The funds you have generously provided will help support a visit to the Museum of London, UK to obtain samples from over 150 medieval and post-medieval (late 1100s to the late 1800s) individuals. The museum has one of the world’s most extensive collections of human remains from a single city, each with detailed information from a large range of previous archaeological analyses. Consequently, the Museum of London’s collection removes the impacts of geography on the bacterial community while allowing detailed exploration of cultural influences within the city across a large period.

I hope this letter finds you well and thank you again for your support.

Yours sincerely,
Andrew G. Farrer
The discovery of a manuscript forgotten for 80 years means two alumni now share a deep connection.

In 1922 Russell Colman graduated from the University of Adelaide with a Bachelor of Engineering and 51 years later, Dr Claire Woods graduated with honours in history. It was the discovery in 2010 of Russell’s memoirs of the First World War that brought them together.

While researching the 27th Battalion at the Australian War Memorial, Claire had what she describes as a eureka moment. She called up a document in the archives labelled ‘private record’ thinking it would lead to something small like a diary entry or a postcard. What she discovered was much more exciting – an unpublished novel. Penned by W.R.G. Colman, it was an account of his experience in the 27th Battalion during World War One.

“The story itself is a remarkable and honest account of Colman’s time at war. It was sheer luck that I found this little gem,” she said.

The manuscript had been written in 1933 as a competition entry for the Victorian RSL. The book didn’t win and the manuscript ended up in the Australian War Memorial.

Claire spent the next day reading the novel and was hooked. With the help of a colleague and fellow alumnus, Dr Paul Skrebels (PhD 1992), she started a three-year journey to get the manuscript published.

One of the first challenges was contacting the family to obtain copyright. The only contact details Claire had were next-of-kin from Colman’s army record, his mother’s address from 1915.

Claire trawled through newspaper records and found an engagement notice and obituary for Colman’s son which eventually led her to his grandsons. She contacted them and they were happy to help, providing photographs, the original handwritten manuscript, his field notebook and a personal diary carried by him on the Western Front.

To get the book ready for publication, Claire and Paul edited the text and included annotations. They also tracked the people and soldiers Colman had mentioned to create a series of biographical notes. An introductory and final chapter were added to place the book within the historical context of other novels and literature about the First World War.

The memoir, There and Back with a Dinkum, follows Colman and his best friend, Graham Leaver, enlisting for war at the age of 18 after they had completed one term at university. Colman describes what it is like to be a soldier at war, the loss of friends and comrades, coping with a severe facial wound and his subsequent return to study.

“One of the most interesting aspects of the book are Colman’s descriptions of what it is like to go back to university after he had been away at war for almost five years. He felt like an old man with the other undergraduates and had to work hard to pick up his study skills again,” Claire said.

Claire’s interest in history was sparked by her father who was a member of the 27th Battalion himself and is mentioned in the book. She started her career as a teacher before completing a Masters at Harvard University and her PhD at the University of Pennsylvania. Claire’s research focuses on connections between literature and military issues. She recently retired from the University of South Australia where she was Professor, Communication and Writing and is currently Leader of Narratives of War Research Group.

There and Back with a Dinkum is available to buy from Australian Scholarly publishing www.scholarly.info/book/365

Above: Dr Claire Woods and book There and Back with a Dinkum
Inset: W.R.G. Colman

“... The story itself is a remarkable and honest account of Colman’s time at war. It was sheer luck that I found this little gem.”

story by Renée Capps
Trading Places
Tim Harcourt (B Ec (Hons)1987)

In Trading Places, Tim Harcourt – also known as the Airport Economist – takes you around the globe, talking to businesses, governments, union officials, NGO’s and others in the community to understand what makes each economy tick. He reveals where the opportunities are, identifies the risks, and provides insider tips on doing business in each destination.

Letter from Ramazzini
Nicholas Grey (B Ec 1979, BA 1987, Grad Dip Occ Hlth 1995)

Bernardino Ramazzini, the 18th century Italian academic and physician, is universally acknowledged as the father of occupational medicine. Three centuries after his death, as a tribute to his life’s work, his classic academic text ‘A Treatise on the Diseases of Working People’ has been given a makeover in verse by Nicholas Grey.

The Landscape of Dreams
Margaret Dingle (BA 1987, MA 1999)

Margaret Dingle, writing under her maiden name, Margaret Fensom, has published her first full-length book of poetry, The Landscape of Dreams, published by Ginninderra Press. Topics include travel, nature, the environment and other social concerns, and expressions of faith and doubt. The final section relates to CS Lewis’ Chronicles of Narnia.

There and Back with a Dinkum
W R G Colman (BE 1922), edited by Claire Woods (BA (Hons) 1973), Paul Skrebels (PhD Arts 1992)

This is the remarkable account of Russell Colman, a young student who enlisted and served in the 27th Battalion during the First World War. After sitting in the archives of the Australian War Memorial for the past 80 years, Colman’s words now come to life, and tell us what it means to be a civilian in a soldier’s world.

To read more about the works of alumni authors visit www.adelaide.edu.au/alumni/about/print

Alumni on the move

David Kalisch (BEc (Hons) 1981) has been appointed the Head of the Australian Bureau of Statistics.

Dr Victor R Squires – Former Dean of the Roseworthy Campus received Outstanding Achievement Award for Stewardship from the Society for Range Management.

Christopher Koch (BEC 2004, LL B (Hons) 2007) has been appointed Deputy Chief Financial Officer at Freelancer Limited.

What’s new with you?
If you have recently celebrated a promotion or career achievement, a change of job or won a major prize, we want to hear about it! Share your good news with your fellow alumni by emailing us. Please include your name, degree and graduation year.
Send it to alumni@adelaide.edu.au or call +61 8 8313 5800
View more alumni achievements at www.adelaide.edu.au/alumni/about/on-the-move
In memoriam: Professor Graeme Hugo

The University Archives is honoured to have a second entry in the UNESCO Australian Memory of the World Register. In a joint effort with the South Australian Museum, records from the Board of Anthropological Research were entered into the register this year. The records document the history of Indigenous people from central Australia as well as the technology, instruments and methodology used in anthropological field survey research at the time.

The Australian Memory of the World Program is one of over 60 Memory of the World programs worldwide.

In memoriam - ‘Tracker’ Tilmouth

Prominent Aboriginal activist and community leader, ‘Tracker’ Tilmouth, passed away in February after a battle with cancer. A member of the Stolen Generation, Tracker graduated from Roseworthy in 1990 with a Bachelor of Applied Science and was a member of the Roseworthy Old Collegians’ Association.

In a long and storied career, Tracker dedicated himself to Indigenous advancement and helped establish the Central Australian Aboriginal Legal Aid Service as well as the region’s Aboriginal health service. He was arguably best known publicly for his outspoken and often colourful statements against negative attitudes towards Aboriginal people.

New dental clinic announced

A partnership agreement between the South Australian Government and University has secured an integrated public dental service and dental school for the next 30 years. The agreement will see the construction of a new 90-chair dental clinic within the University’s new clinical building at the SA Health and Biomedical Precinct.

The clinic is expected to open in 2017 and will provide state-of-the-art dental facilities where students can complete their training alongside skilled dental experts, and the public can access high quality dental care. The agreement includes the provision of two new dental scholarships to encourage students to train in rural areas and consider future employment opportunities in country locations.

New appointment – Pro Vice-Chancellor (International)

Leading academic, Professor Shane Thomas, has joined the University as the Pro Vice-Chancellor (International). Shane was previously the Associate President and Executive Director in International Academic Development at Monash University. “This is a wonderful opportunity to be part of genuine university-wide transformation,” Shane said.

New appointment – Pro Vice-Chancellor (Student Learning)

Professor Philippa Levy has been appointed to the new role of Pro Vice-Chancellor (Student Learning). Philippa was previously the Deputy Chief Executive (Academic) at the Higher Education Academy in the UK and Professor of Higher Education Development at the University of Sheffield. Philippa said she was impressed with the University’s plans to transform the learning experience and the organisation’s longstanding commitment to co-creation with the student community.
Anzac Day commemorations

The University commemorated the Anzac Day centenary in a number of ways. A short film was released to remember the contributions and sacrifices of our staff and alumni.

Research Tuesdays held a special lecture ‘Gallipoli revisited’ to discuss why Gallipoli was a critical turning point for the medical corps, the treatment of mental health issues, and the Anzac myths created on the battlefield.

Roseworthy Old Collegians’ Association and the University commemorated the service of past students and staff of Roseworthy Agricultural College who enlisted for the Great War, and to honour the subsequent service of all who studied and worked at the campus and served their country in times of conflict.

The centenary was commemorated by the Adelaide University Football and Cricket Clubs by unveiling a plaque at the cricket oval in memory of University sportsmen and women who died during times of conflict.

Finally, University of Adelaide alumnus Andrew Barnett, who graduated with a Bachelor of Music in 2002, had the honour of playing the Last Post at the dawn service in Gallipoli, Turkey.

For more information: adelaide.edu.au/about/history/ww1

The University recently published its inaugural Impact of Giving report. The report celebrates the generosity of our donors whose support is transforming lives. It highlights a selection of stories which demonstrate the impact of giving and what it means for our students, researchers, academics and wider community.

Read the report online: adelaide.edu.au/give/impact

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