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UniSA News

A newspaper of the University of South Australia

February 2003

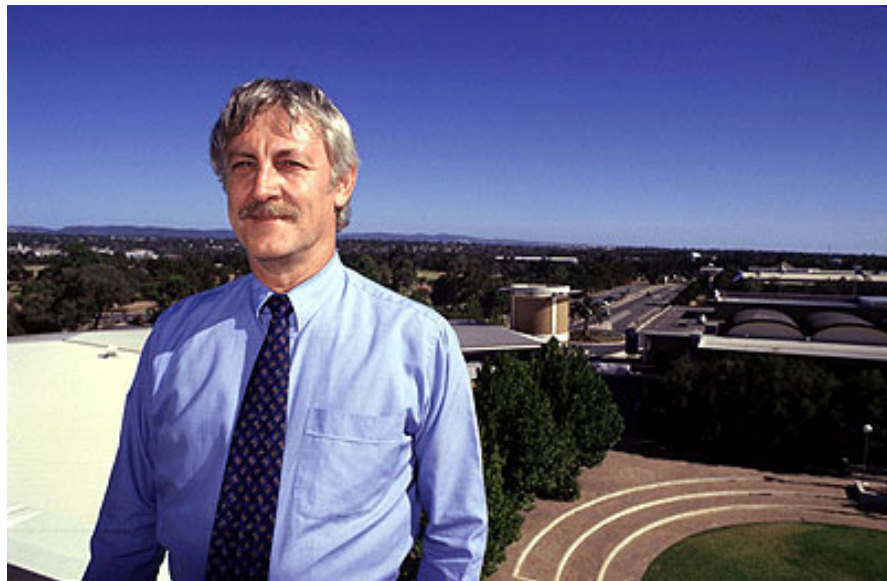
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Main stories



Elliott to drive northern partnerships program

The University of South Australia has signalled its commitment to working for social inclusion in Adelaide's northern suburbs, with the launch of the UniSA Northern Adelaide Partnerships (UNAP) program, and the appointment of former state leader of the Democrats Mike Elliott as its director. [Full Story](#)

TDU turns up the heat

When temperatures were predicted to top 40°C during the Jacob's Creek Tour Down Under last month, Team UniSA supporters had high hopes that local knowledge and acclimatisation would propel the local team to put in their best performance. [Full Story](#)



Anytime, anywhere online service wins national award for excellence

UniSA's Learning Connection has been recognised for its innovative and practical approach to student services at the latest University Teaching Awards. [Full Story](#)

Scientist with a vision joins Ian Wark Research Institute

A new contact lens that can be worn continuously for 30 days has secured a major award for its co-inventor, Professor Hans Griesser, recently appointed deputy director (industry) at UniSA's Ian Wark Research Institute. [Full Story](#)



Extras

[Moira Rayner delivers Clare Burton Memorial Lecture](#)

Hosted by the Human Resources Unit, the annual Clare Burton Memorial Lecture, held in Brookman Hall on November 6, was attended by 150 people.

Other stories

[Building on success in the north](#)

The UniSA Northern Adelaide Partnerships (UNAP) program will coordinate and build upon more than 50 education, community and research projects already underway in Adelaide's northern suburbs.

[Colostrum helps fight against cold and flu](#)

A daily dose of colostrum could reduce the rate of colds and influenza by up to 30 per cent, a University of South Australia study shows.

[Filling in the blanks wins award](#)

You agree to do the survey. Encouraged by the warm philanthropic feelings you tick the relevant boxes. It's a feeling that lasts until question seven asks your wage. In a moment of unabridged tempestuousness you threaten it with the bin but soon calm down, suppress the fact your boss isn't paying you enough, and place a tick in the 'don't wish to disclose' box.

[Strengthening crisis management](#)

At times the world seems a very dangerous place. In the aftermath of dreadful events in Bali and Monash University, the University is moving to review and improve its ability to deal with crises and emergency events.

[Design aids longevity](#)

When property developers at Mawson Lakes discovered that solar lights don't shine as brightly as they could, they turned to the Sustainable Energy Centre for help.

[Hitting a high note at Mawson Lakes](#)

Mawson Lakes will soon have its own public work of art.

[UniSA lecturer wins Harkness fellowship](#)

UniSA lecturer in pharmacy practice Dr Libby Roughead is one of only two Australians to win the Commonwealth Fund's Harkness Fellowships in Health Care Policy for 2003-2004.

[Easier access for students with disabilities](#)

Access to learning resources will soon be made easier for students with disabilities, with the installation of adaptive technology suites at each metropolitan campus library.

[Student services moving with the times](#)

Lucy Schulz, director of Student and Academic Services, reflects on a landmark year in student service initiatives and says "bring on 2003!"

[UniSA and TAFE working together](#)

UniSA and TAFE SA have signed a memorandum of understanding, expressing their intent to work together in new ways to improve quality, efficiency, equity and access in providing tertiary education and training in South Australia.

[UniSA staff part of the action](#)

Business manager at the Institute for Telecommunications Research, Jeff Kasparian, was one of 20 UniSA staff members who rode in Tour Down Under's inaugural Breakaway Tour, where amateur cyclists got to ride on the same course as the professionals. This is his account of the odyssey.

[Our people - Mel Russell](#)

Securing a better future.

[2002 awards round-up](#)

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March 2003 issue of UniSANews

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[2003 UniSANews schedule](#)

Copy should be sent by email to unisa.news@unisa.edu.au

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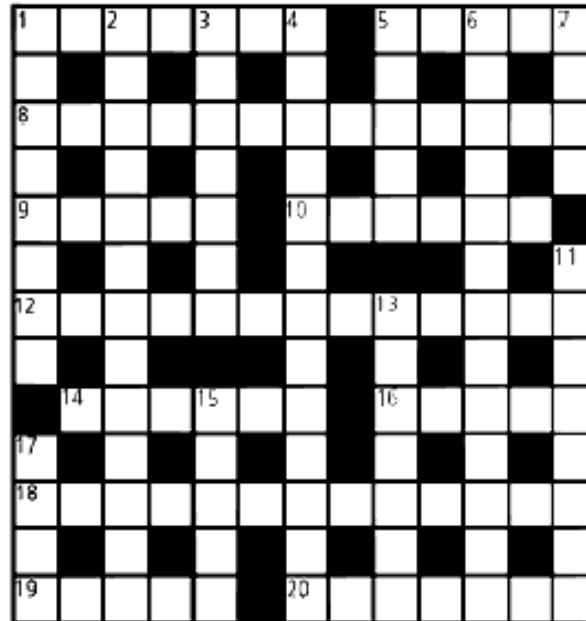
[Karen Williams](#)

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Colgan's Cryptic Crossword



ACROSS

1. Choose to hit one back? That's best! (7)
5. Company's overturning bad time (5)
8. Pull out of payment to retrieve snake from space above doorway (7,6)
9. One producing waves in make-up (5)
10. Prying into a drink with wrong ingredient (6)
12. Seafarers from northern island returning to support team (5,8)
14. After short spasm, snake gets rodent (6)
16. Examine a seed-case (5)
18. Non-stop salvo precedes 'the punch' (5-3-5)
19. Same sound from the front row (5)
20. First of sons nibbled, but is spotted (7)

DOWN

1. Gets on top of sporting strategies aimed to dismiss (8)
2. Searched until worked out on-line arrangements (5,8)
3. Smell of seaman upset rodent (7)
4. Flops, then cancels drinks (5,8)

5. Recognises sub-branches (5)
6. Shares common breeding (8,5)
7. Piece of hock (4)
11. Revealed gate-crashing Frenchman inside (8)
13. Join embassy's first representative (7)
15. Move to reduce allocated funds (5)
17. Terrorists on Queen's Country (4)

Win a bottle of wine

The winner of the November/December Cryptic Crossword is Colleen Lee. For your chance to win a bottle of wine worth around \$100, fax your completed crossword to (08) 8302 5785 marked attention Len Colgan by Wednesday February 26.

Solution

Q	P	T	I	M	A	L		T	R	O	O	P
U		R		U		E		W		R		A
T	R	A	N	S	O	M	W	I	N	D	O	W
P		I		K		O		G		I		N
L	I	N	E	R		N	O	S	I	N	G	
A		S		A		S				A		U
Y	A	C	H	T	S	Q	U	A	D	R	O	N
S		H				U		T		Y		M
	J	E	R	B	O	A		T	E	S	T	A
I		D		U		S		A		T		S
R	O	U	N	D	T	H	E	C	L	O	C	K
A		L		G		E		H		C		E
Q	U	E	U	E		S	P	E	C	K	E	D

EXPLANATIONS (C = cryptic part of clue + S = straight part of clue;
 or S + S = clue holding answer twice with two different straight meanings;
 or POW = play on words.)

Note that joining words may or may not be an integral part of the clue.

Punctuation and capital letters are irrelevant.

The art of the setter is to make it non-obvious how and where to split the clue, and to mislead the solver along an irrelevant path.

Across

1. C: choose (opt) hit one back (lam l, backwards) S: best = optimal
5. C: overturning bad time (poor t, turned over) S: company = troop
8. C: pull (tow) out of (outside of) payment to retrieve (ransom) snake (wind)
- S: space above doorway = transom window

- 9. S: one producing waves = liner S: make-up = liner
- 10. S: drink (nog) with wrong ingredient (sin, inside) S: prying into = nosing
- 12. C: northern island returning (north cay, backwards) to support team (supporting "squad") S: seafarers = yacht squadron
- 14. S: after short spasm ("jerk", shortened) snake (boa) S: rodent = jerboa
- 16. C: examine a (test a) S: seed-case = testa
- 18. C: salvo (round) precedes "the punch" (the clock) S: non-stop = round-the-clock
- 19. C: same sound from the front (the initial "q" of "queue" sounds the same)
S: row = queue
- 20. C: first of sons (s) nibbled (pecked) S: spotted = specked

Down

- 1. C: sporting strategies aimed to dismiss (out plays) S: gets on top of = outplays
- 2. C: searched until worked out (anagram of "searched until")
S: on-line arrangements = train schedule
- 3. C: smell (musk) seaman upset (tar, upside-down) S: rodent = muskrat
- 4. C: flops (lemons) cancels (quashes) S: drinks = lemon squashes
- 5. C: sub-branches (twigs) S: recognises = twigs
- 6. C: common (ordinary) breeding (stock) S: shares = ordinary stock
- 7. S: piece = pawn S: hock = pawn
- 11. C: gate-crashing (unmasked) Frenchman inside (M., inside)
S: revealed = unmasked
- 13. C: join (attach) embassy's first (e) S: representative = attaché
- 15. C: reduce allocated funds (reduce "budget") S: move = budge
- 17. C: Terrorists (IRA) on Queen (Q, as in chess) S: country = Iraq

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From the Chancellery

UniSA: A post-modern institution



As we look forward to a new year, UniSA's community can reflect on and celebrate our success in 2002. In a very short period of time, we have become a comprehensive, pace-setting institution in a highly competitive environment.

UniSA is a nationally-competitive force. In 2002, we were placed seventh in the Australian Research Council's Linkage Grants program, won a national teaching award for our online learning support environment and, for the second year in succession, had more offshore students than any other Australian university and the fifth largest number of international students overall.

UniSA collaborates with a wide range of partners in Australia and overseas in a variety of ways. As a multi-faceted institution, we mean quite different things to the people we interact with, depending upon the nature of our relationship with them. To our research partners such as AMIRA and Rio Tinto we are a research-intensive university known internationally for our high quality applied and fundamental research and the excellence of our postgraduate and research training environment.

To our undergraduate students we are an institution with an innovative teaching and learning strategy focusing on student-centred learning support and course delivery, with clearly defined graduate qualities to assist students to gain employment.

To our state, local government, TAFE, school and industry partners involved in our recently launched UniSA Northern Adelaide Partnerships program, we are an institution dedicated to improving educational outcomes in northern Adelaide.

To the citizens of Whyalla and the rural and remote areas it serves, we are a regional university with a clear commitment to contribute to economic, environmental and social development in collaboration with local councils

and the community, government agencies and industry.

To our international partners throughout Asia and beyond, we are a reputable and flexible provider of undergraduate, postgraduate and research degrees with a commitment to online and flexible delivery supported by high quality services.

To our state and federal government, UniSA is a well-governed and managed University, clear about its destiny encapsulated in our statement of strategic intent.

UniSA has forged this distinctive identity in the first decade of our existence. We have built on the strengths and traditions of our predecessor institutions by working collaboratively with industry partners and providing flexible, student-centred programs.

UniSA has no desire to replicate the attributes of the 'historically advantaged' six city-state universities established in the 19th and early 20th centuries. Nor do we see UniSA becoming another Australian National University set up to provide a world-class research-intensive university.

Insofar as the pre-1987 universities provide a model, it is the University of New South Wales that interests UniSA most. UNSW began as an institute of technology and from its inception in the 1940s, pioneered the establishment of coursework postgraduate degrees, collaboration with industry partners and, with Monash University, international education in the 1960s and 1970s. By 1990, UNSW was recognised as one of the best universities in Australia. It represents a model of an innovative institution which challenged the prevailing culture of the older institutions. Through its success it ushered in the period of unprecedented change to higher education known as the Dawkins' reforms, which led to the establishment of UniSA a decade ago.

We believe UniSA and its Australian Technology Network partners, along with other 'new generation' universities will provide the same impetus to change in the competitive environment of the 21st century. It is no accident that many of the most active international universities in the Australian system are new generation universities, building on their historical strengths as distance education providers. Nor is it an accident that UniSA and other ATN universities have consistently been successful in the new

research schemes promoting collaboration with industry partners and forging new multi-disciplinary research centres. These centres have emerged as centres of excellence in very short periods of time, leveraging our historical strengths of working closely with external partners.

UniSA is a post-modern institution with multiple realities, interacting with a wide variety of customers and clients locally, nationally and internationally. We are highly regarded for our strength in strategic planning, comprehensive quality assurance policies and practices and responsiveness to the communities we serve. These key elements, combined with our focus on flexibility, innovation, internationalisation and collaboration will help to ensure our continued success in the 21st century.

Professor Ian Davey

Pro-Vice Chancellor: Research and International

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News in brief

Helping women achieve their goals

UniSA's Human Resources Unit is calling for applications for the 2003 Women and Leadership program. The program – open to all female UniSA staff members as well as women from outside the University – aims to create a culture where women's diverse leadership styles are valued and women are encouraged to work towards achieving their career aspirations.

Established in 1996, the program offers workshops, mentoring and collegial groups. Some of the workshops topics this year include project management, negotiation skills, and behavioural interviewing.

Registration closes on February 28. For more information contact Lyn Tagg on 8302 1729 or visit the website at www.unisa.edu.au/eqo/aa/wal/index.htm

Promotions and appointments

In recent promotions at UniSA, Associate Professors Allan Evans, Alan Reid, Mary Barton, Barbara Comber, Rhonda Sharp and Larry Lockshin were all made professors.

Dr Suzanne Franzway, Dr Bruce Gurd, Josephine Caust and Dr Eimear Muir-Cochrane were all promoted to associate professor, and Dr Glen Lehman was made an associate research professor.

Meanwhile Dr Matthew Cuthbertson was appointed professor and CEO of UniSA's Centre for Sensor Signal and Information Processing, and Shard Lorenzo has been appointed director of Human Resources.

Hetzel Room launched

A new room named in honour of UniSA's Chancellor from 1992-98, Dr Basil Hetzel, was launched at City West campus on December 5.

Situated in the Yungondi Building, the Hetzel Room will be used for UniSA's higher

profile events and meetings and was designed by staff from the Louis Laybourne Smith School of Architecture and Design, with artwork chosen from UniSA's Art Museum.

Dr Hetzel is an internationally-recognised scholar and academic who led research in Papua New Guinea in the 1960s which identified the association between iodine deficiency and brain damage in unborn children.

He is also known for his contribution to Aboriginal health, and as well as a string of academic appointments from the 1950s-80s, was Chief of the CSIRO Division of Human Nutrition from 1975-1985.

Study makes waves in radio

A UniSA study is making waves in the radio industry with the finding that listeners have a higher recall of advertisements on radio when the ads are placed in a 'low clutter' environment with relatively little advertising.

Senior Research Associate at UniSA's Marketing Science Centre, Erica Riebe, exposed 241 people to mock radio broadcasts, asking them to undertake other activities at the same time to mimic normal radio listening behaviour.

Some respondents were exposed to 'high clutter advertising' (long blocks of advertisements interspersed with music), and others listened to a broadcast with low clutter advertising.

Riebe found that low advertising clutter resulted in almost double the recall, that listeners remembered more about the advertisements in a 'low clutter' environment, and that ads placed at the beginning or end of a block were best remembered.

"The implication for advertisers is that advertising will be more effective if placed in smaller blocks or alone," she said.

Riebe's findings were reported in advertising magazine B&T Weekly and helped prompt Austereo to publish its own study which found that regularity of advertisements was the key driver of listener recall.

"While I don't dispute Austereo's conclusion from their study, clutter is also an important factor that they haven't even looked at," Riebe said.

Ground control to FedSat

Almost two months after its launch, the FedSat satellite is in position and sending data back to ground control at UniSA's Institute for Telecommunication Research at

Mawson Lakes.

The launch from Japan on December 14 was a momentous occasion both for Australian space research, and for the UniSA staff manning the ground station.

The ground station was built and commissioned by UniSA scientists, and is also being used to control and monitor the progress of the University of California satellite, ChipSat.

Ground station manager, Terry Kemp, said that FedSat had been stabilised and was now in 'pointing mode', where the satellite is the right way up, allowing antennas and sensors maximum efficiency for data collection and transmissions. FedSat's characteristic magnetometer boom has also been successfully deployed.

"The satellite orbits the earth 14 times a day, and is visible to the ground station for at least four of these orbits. ITR staff are now working on automating more aspects of ground control so we don't have to be present for all of these passes," he said.

Developed by the Cooperative Research Centre for Satellite Systems (a conglomeration of 12 Australian organisations including ITR), FedSat was engineered to conduct experiments in communication technologies, global positioning systems, computing and space science. One of its research projects is studying a new high-frequency band, which could potentially help provide broadband internet services to rural Australia.

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Browser Briefs

In a word

Got that word on the tip of your tongue, but can't quite get it out? This website can help you. The OneLook dictionary search enables you to find definitions, translate words into other languages, and find words which you cannot remember how to spell. You only need type in a pattern of letters and wildcards, and it will search all words with that stem. For example, type in narciss* to find all words with that stem, eg. narcissistic, narcissism, narcissi, and so on. Or, to find the meaning of the phrase savoir faire, type in those words and select the find translations option, or if you're not sure how to spell it, again, type in a pattern of letters with a wildcard. The site has more than four million words in more than 800 online dictionaries, which are classified into art, business, computing, medicine, miscellaneous, religion, science, slang, sports and technology. You'll never be lost for words again.

www.onelook.com/

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Classifieds

Advertising in the classifieds section is available to staff of UniSA. Email classifieds to unisa.news@unisa.edu.au.

For sale

Floral lounge suite 2 seater plus 2 armchairs absolute mint condition hardly used
\$1,000 Ph 8302 0096

Mag wheels 15 inch Advanti mags, 7 spoke. Fits all small cars, \$700 ono. Ph mobile
0407 052 182

Near new masters gown with University of South Australia masters hood/colours.
\$150 or near offer. Please phone Judy Zollo on 8302 2152 or email to judy.zollo@unisa.edu.au

Student drawing board A1 size (750 x 1050mm) plus T square \$50. Phone Stewart
8302 3048

UHF antenna second hand \$30 Ph (after hours) 8365 1263

For rent

House in lovely Kingswood, 6 kms from city, large rooms, high ceilings, can be let
furn or unfurn. Available anytime from now. \$250/\$230pw. Call 08 8302 2921 or 0417
192 983

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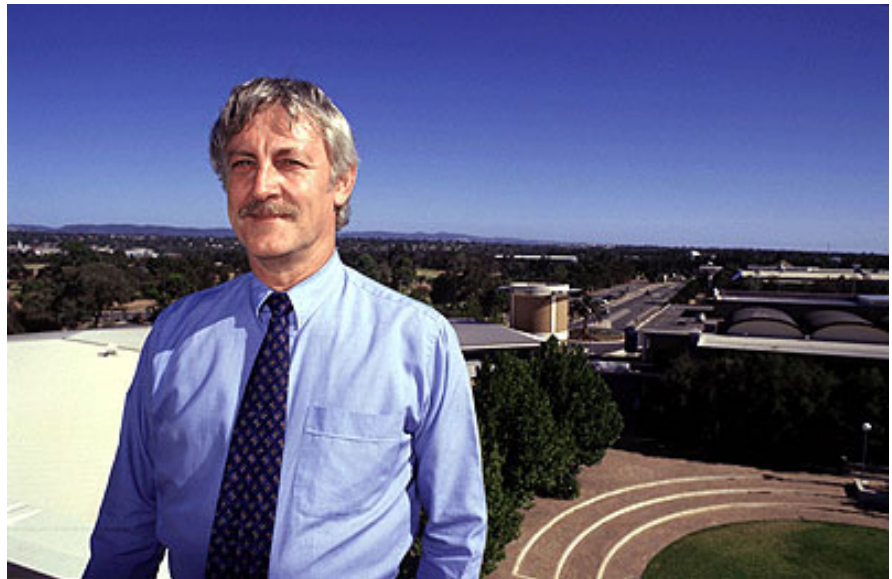
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Elliott to drive northern partnerships program

by [Charlotte Knottenbelt](#)



The sky is the limit: Mike Elliott looks forward to making a difference as director of UniSA Northern Partnerships program.
Photo: Sam Noonan

The University of South Australia has signalled its commitment to working for social inclusion in Adelaide's northern suburbs, with the launch of the UniSA Northern Adelaide Partnerships (UNAP) program, and the appointment of former state leader of the Democrats Mike Elliott as its director.

Working in partnership with government, industry and the community, the program's key goals are to increase participation in education, promote professional development and community leadership, address regional skills shortages and improve social resources.

It's an ambitious plan but an achievable one, according to Elliott, a former rural high school teacher and parliamentarian of 17 years who started as director of the program in December.

"It's no secret that many of the people living in Adelaide's northern suburbs have been doing it tough for some time," he says. "A decline in traditional blue collar work, coupled with a policy shift from public housing to welfare housing has seen the area's unemployment rates rise to worrying levels, while its tertiary education participation

rates are the third lowest in the nation.”

But there is cause for optimism, says Elliott, with a groundswell of support for change as the area’s commercial and industrial sectors expand into new directions. “What we want to make sure of is that the people in the north have the skills and networks to take advantage of these new opportunities.”

Elliott says he has been heartened to note that government is acknowledging the problems facing the community, with the northern suburbs singled out for assistance via the Federal Government’s Sustainable Regions Program and the recently-established state-funded Office of the North.

“But the unfortunate truth is when governments are putting money in they want to see instant results,” he says.

“The problems that have arisen here have arisen over many decades. UNAP will work towards striking a balance between achieving results in the short term and developing long-term strategies to ensure the community is equipped to deal with the challenges of the future.”

[Building on success in the north](#)

[To read more about the UniSA Northern Areas Partnerships Program, click here](#)

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TDU turns up the heat



When temperatures were predicted to top 40°C during the Jacob's Creek Tour Down Under last month, Team UniSA supporters had high hopes that local knowledge and acclimatisation would propel the local team to put in their best performance.

Made up entirely of Australian cyclists – including Olympic gold medallist Brett Aitken and Tour de France veteran Patrick Jonker – Team UniSA didn't disappoint, eventually coming fifth out of the 12 (mostly international) teams in the competition.

Some of the team's finest moments included Gene Bates winning the jersey for the best-performing rider under the age of 23, and Russel Van Hout (pictured left) snaring the King of The Mountain jersey for a day following an impressive ride up Menglers Hill in the Barossa Valley.



Patrick Jonker was the highest-placed UniSA rider, coming 7th overall in a field of 92 riders.



TDU's UniSA coordinator Simon Matthias (pictured right) said that one of the best things about the University sponsoring a team was the opportunity it gave UniSA staff and students to participate.

“UniSA people got involved in all sorts of ways, from travelling in the cavalcade and handing out promotional giveaways to conducting research, and we were also the organisation with the largest number of entrants in the Breakaway Tour,” he said.

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Anytime, anywhere, online service wins national award for excellence



The award-winning team from Learning Connection (from left): Helen Johnson, Monica Behrend, Margaret Hicks, Rita Frangiosa, Kerry O'Regan, Cynthia McHawala, Marie Stevenson and Bev Kokkin (absent: Virginia Hussin and Deb King).

UniSA's Learning Connection has been recognised for its innovative and practical approach to student services at the latest University Teaching Awards.

The awards were announced by Federal Education Minister Dr Brendan Nelson in December. Learning Connection was the joint winner of the \$50,000 Institutional Award for Innovative and Practical Approach to the Provision of Support Services that Assists Learning.

Supporting students to meet academic expectations in any large, multi-campus university where students study on-campus, off-campus and offshore is an obvious challenge, according to the director of the Flexible Learning Centre, Professor Bruce King.

"Today's students are more likely to include people from a diverse range of backgrounds and it is that diversity that obliges universities to examine their assumptions about student understanding of aspects of academic life and culture," says Prof King.

"But a solution initially developed by learning advisers for a small cohort of external students unable to attend a face-to-face learning skills workshop on-campus, suggested an exciting approach to the delivery of learning support for all students."

The result was Learning Connection and the systematic development of online workshops, readily accessible via the internet 24 hours a day, seven days a week.

In the first six months of 2002 the online workshops attracted more than 20,000 hits.

Starting from a one-off solution for a small group of students, online workshops have become a major resource at UniSA available to all students who need to develop their academic skills and abilities.

Prof King said he believed that the innovative use of technologies that underpinned Learning Connection was key to its successful implementation.

"At a time when students demand much more convenience in the provision of services, we extended student support beyond bricks and mortar and beyond usual business hours," says Prof King.

Students are able to access a wide range of services online and use the 'drop-in' sessions at the Learning Connection office on their campus to sort out issues on the spot or arrange follow up.

Features include online referral by academics to services available through Learning Connection, online bookings for workshops and group sessions, and seamless links to course home pages on UniSAnet, the University's online teaching and learning environment.

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Scientist with a vision joins Ian Wark

by [Geraldine Hinter](#)



A new contact lens that can be worn continuously for 30 days has secured a major award for its co-inventor, Professor Hans Griesser, recently appointed deputy director (industry) at UniSA's Ian Wark Research Institute.

A physical chemist, Professor Griesser (left) was part of a five-person team presented with the CSIRO Business Excellence Medal for their roles in the research, development, and patenting that led to the market launch of the Ciba Vision Focus Night & Day lens.

In developing the lens, the researchers had to understand how the molecules in the eye interact with the contact lens surface. In current lenses this interaction results in deposits that stick to the surface of lenses, making it necessary for the lenses to be removed and cleaned on a daily basis.

“Our polymer synthetic chemists found a lens material that was breathable, enabling oxygen to filter through to the eye. We then developed an ultra-thin wettable coating to make the lens wearable on a continuous basis for 30 days without cleaning by minimising the interactions that result in fouling – and they feel just as comfortable as current lenses,” Prof Griesser said.

With research interests including surface science, analysing and modifying polymer surfaces, thin film deposition, biomaterials and adhesion, Prof Griesser's expertise is as diverse as the products he researches, and ranges from contact lenses to aeroplane windows, where he has been developing a coating to eliminate stress crazing or scratching.

Prof Griesser is also conducting research on how biological systems, especially the

human body, recognise and react to synthetic materials such as plastic or metal implants, how the various defence systems of the body attack the intruder and how that reaction can be controlled.

“By having an understanding of how the biological molecules find and recognise the synthetic implant surface, we can then trick the molecules into accepting the implant.

“One method is to develop a surface that is not recognised as being foreign by the biological molecules so they can’t stick to it ... another solution is to put biological molecules on the surface of implants to trick the body’s existing molecules into forming new cells that grow to repair the wound and restore the natural tissue around the implant. We are also developing novel coatings that actively deter bacteria from being able to live on an implant surface, reducing the risks of infection as a result of surgery,” Prof Griesser said.

Professor Griesser’s industry portfolio, which draws on his experience in dealing with industry, contract negotiations, commercial applications, intellectual property and patenting issues, will be invaluable in extending industry involvement in areas such as polymers and the biomedical fields.

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Moira Rayner delivers Clare Burton Memorial Lecture



Sarah Wendt, Josie Agius, Moira Rayner and Alison Mackinnon at the Clare Burton Memorial Lecture

Hosted by the Human Resources Unit, the annual Clare Burton Memorial Lecture, held in Brookman Hall on November 6, was attended by 150 people. In August 1998 Dr Clare Burton, a widely respected academic and consultant in gender equity, passed away suddenly. To commemorate her life and work, ATN WEXDEV – a career development program designed for senior women in five major Australian universities – hosted a series of memorial lectures in 1999, 2000, 2001, and again in 2002. Professor Alison Mackinnon, director of the Hawke Institute chaired the event, and Josie Agius welcomed the audience on behalf of the Kaurna people. Sarah Wendt, the inaugural winner of the Clare Burton Memorial Scholarship and a doctoral student at UniSA, spoke about her research. Moira Rayner delivered the 2002 memorial lecture *A pound of flesh: Women, politics and power in the new millennium*. Rayner is currently the Acting Commissioner for Equal Opportunity for Western Australia. The lecture is available on the web at: <http://www.unisa.edu.au/eqo/aa/cb/index.htm>.

The lecture was followed by a performance of the University of South Australia

Women's Choir. The choir formed in 1999, and the members are academic and general women staff of the university. This year the choir sang four songs, finishing with audience participation for *Don't be too polite, girls*.

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Building on success in the north



UniSA's Peter Murphy and South Australian Premier Mike Rann at the UNAP launch, in the award winning solar car NED 26

The UniSA Northern Adelaide Partnerships (UNAP) program will coordinate and build upon more than 50 education, community and research projects already underway in Adelaide's northern suburbs.

Some of UniSA's success stories in the north include the SACE at the Lakes Program, the Higher Education Participation Project, the Post-Partum Household Assistant Project, the Australian Centre for Community Ageing and the SA Solar Car Consortium, which brought together University staff and students, TAFE and high schools to develop the award winning solar car NED 26.

UniSA researchers are also involved in a number of northern Adelaide research projects, including Dr Sue Howard and Dr Bruce Johnson's five year study looking at risk and resilience in children from disadvantaged schools in the north; and Professor Kevin Norton's project Physical Activity Intervention in After School Hour Centres which was conducted in conjunction with the Department of Health Services.

Coordinating projects throughout all of UniSA's academic divisions, UNAP's director Mike Elliott has a big task ahead of him in implementing strategies to guide both existing projects and the development of new ones.

“One of my challenges will be to ensure that we are talking across divisions and schools and working together to achieve UNAP’s aims,” says Elliot. “My job at the end of the day is to be aware of what’s happening, to be aware of what’s possible and to be proactive in bringing the right people together to allow things to happen.”

For more information on UNAP, contact the project office on
(08) 8302 3659 or email unap@unisa.edu.au

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Colostrum helps fight against cold and flu

by [Geraldine Hinter](#)

The study revealed that participants who took 60 grams of a powdered bovine colostrum supplement daily were much less susceptible to getting upper respiratory tract (URT) infections when compared with those who were given a placebo (whey protein), according to Dr Jon Buckley, director of UniSA's Centre for Research in Education and Sports Science, who conducted the research.

"Bovine colostrum, the first milk that's secreted by cows after giving birth, is important for protecting newborn calves against infections. Farmers have been known to feed colostrum to calves for survival as, unlike humans, they don't acquire immunity from their mother," Dr Buckley said.

"We know from previous studies that when people have a high level of particular antibodies in their saliva, it provides a protective effect against getting upper respiratory tract infections.

"Athletes as well as people who undertake lots of endurance training tend to be more susceptible to getting URT infections because they have lower levels of salivary immunoglobulin A (IGA). There is a relationship between high salivary IGA and protection against URT infections.

"Taking colostrum increases the levels of antibodies in saliva in the mouth and throat, and that seems to protect against illness," Dr Buckley said.

While Dr Buckley is not sure how colostrum works, he believes it's a non-specific mechanism because people who become infected, even when taking colostrum, experience the same symptoms and recovery rates as non-users of colostrum.

"Although it's not a cure for colds and flus, the good news is that it gives greater protection across the broad range of URT infections, and may provide a useful adjunct to flu shots during the cold and flu season," he said.

“Now that we have evidence that it works, our next step is to pursue funding to look at how it works by breaking down the colostrum to isolate the components that provide a protective effect and to discard the rest.

“This would enable us to develop a smaller but more effective dose that could become the wonder drug-free alternative for preventing URT infections and a number of other health problems,” Dr Buckley said.

Other research into the health benefits of taking colostrum has resulted in a reduction in rotavirus in children at day care centres, and protection for sick children in Adelaide’s Women’s and Children’s hospital against gastrointestinal viruses.

Many of these children have suppressed immune systems that make them more susceptible to picking up viruses. Anecdotal evidence also suggests that giving colostrum to people with AIDS protects them from gastrointestinal viruses, it makes them feel better and they get sick less often.

“In sports science, previous research has shown that taking colostrum improves endurance, exercise performance and increases lean body mass. Our own research showed faster recovery rates after exercise and improved muscular power.

“Because colostrum is having all of these effects on power, body composition, endurance and recovery, there was some concern that it may result in false positive drug tests, but samples analysed in an accredited Olympic Committee drug testing laboratory all came up negative,” Dr Buckley said.

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Filing in the blanks wins award

by Damien Rowett

As cars go by: Min Xu's thesis introduces a method for allowing better transport planning
Photo: Damien Rowett



You agree to do the survey. Encouraged by the warm philanthropic feelings you tick the relevant boxes. It's a feeling that lasts until question seven asks your wage. In a moment of unabridged tempestuousness you threaten it with the bin but soon calm down, suppress the

fact your boss isn't paying you enough, and place a tick in the 'don't wish to disclose' box.

This is the problem that UniSA Transport Systems Centre student Min Xu concentrated her prize-winning paper on and what constitutes part of her PhD study. The paper, titled *A comparison of two methods for imputing missing income from household travel survey data* won Min the David Willis Memorial Student Prize.

The prize, introduced in 1998 to commemorate the life of transport professional David Willis who died at a young age, is awarded as part of the Australian Transport Research Forum (ATRF) to the student or new professional who presents the best paper.

Min's paper introduces a process for improving income data, allowing for better transport planning.

"We normally get the income information from the Household Travel Survey. Because of confidentiality many people don't provide their income. In the 1999 Adelaide HTS about 21 per cent of people didn't provide it," she said.

To accurately forecast people's travel behaviour their social demographics are vital. With income affecting the way they travel it is difficult to predict and improve transport planning. Min's paper presented two methodologies for repairing income

data to replace the missing income: hot deck imputation on household income; and hot deck imputation on personal income and regression imputation.

Hot deck imputation involves replacing the missing value with those of similar persons who reported their income in the same data set. In regression imputation, a regression equation is estimated from the data set and then used to predict the income to be imputed from other variables within the data set.

Replacing missing income data is just a small part of Min's PhD study with the Transport Systems Centre in the School of Geoinformatics, Planning and Building.

Her thesis, *A microsimulation model of travel choices for use in transport corridor analysis*, looks at land use, travel behaviour, and the viability of different forms of transport in metropolitan transport corridors – with a focus on the Adelaide northwest corridor.

Born in China, Min studied a Bachelor of Structural Engineering at Tongji University in Shanghai and worked as a structural engineer for 10 years, before moving to Australia. In 1998-99 Min studied a Masters in Transport Engineering before starting her PhD in 2000.

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Strengthening crisis management

by Warren Einarson

At times the world seems a very dangerous place. In the aftermath of dreadful events in Bali and Monash University, the University is moving to review and improve its ability to deal with crises and emergency events.

The process began with a workshop on October 25 last year with management staff from across the University, student representatives, and two academic staff with an interest in crisis management, Assoc Professors Robert Heath and Nicholas Procter. The workshop explored some scenarios and considered issues of preparedness and response.

The group concluded that while the University had a solid platform of resources and protocols in place to deal with large-scale emergencies, this platform had never been significantly tested by real or simulated events.

Some other issues of process and infrastructure were taken away by relevant managers for immediate consideration and implementation, including the development of evacuation protocols for large off-campus events such as graduations and examinations, and a review of evacuation protocols and assembly points for all on-campus buildings.

A working party has been formed to provide advice and support to an Assurance Services project that will seek to:

- review and upgrade where necessary the University's crisis response frameworks
- evaluate the crisis response framework with a large scale simulation event by mid year

The working party will be assisted by Jenny Fox, a project officer seconded from the UniSA Students Association. The project will initially focus on expanding the existing response teams across the University. At this time the intention is to work with

campus teams, a central corporate team and a team with an international focus.

Well-trained teams that understand their roles are seen as a key element in effective crisis response. Through regular meetings, risk analysis and review processes and periodic simulation events, these teams will be well placed to help the University deal with any potential crisis.

For further information on this project, please contact me on 8302 0622 or email warren.einarson@unisa.edu.au.

Warren Einarson

Manager, Assurance Services

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Design aids longevity

by [Karen Williams](#)

When property developers at Mawson Lakes discovered that solar lights don't shine as brightly as they could, they turned to the Sustainable Energy Centre for help.

Delfin Lend Lease needed 30 solar powered lights around the lake footpath, but found that existing solar lights do not generate sufficient light for long enough to light the area all night in winter, due to their flat, rectangular panels.

Dr Peter Pudney, of the Centre for Industrial and Applicable Mathematics, has used his experience from designing the University's solar car to create a futuristic, elliptical, curved panel, which will solve the problem.

Peter Murphy from the School of Advanced Manufacturing and Mechanical Engineering is assisting Dr Pudney in the project.

Once the design work is finalised and approved, manufacture will commence by Adelaide-based Street and Park Furniture.

Dr Pudney believes that the design is unique and eye-catching, and hopes to commercialise the design and technology.

Installation of the first lights is expected to be completed by March.

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Hitting a high note at Mawson Lakes

by [Karen Williams](#)

Mawson Lakes will soon have its own public work of art.

It will be an interactive two metre high stainless steel sphere, comprised of cells containing light sensors which, when a hand is placed against them, will cause notes to play on one side and words to be spoken on the other.

The work, called *Collecting Thoughts*, is the brainchild of local artist Margaret Worth, in collaboration with Peter Murphy from the School of Advanced Manufacturing and Mechanical Engineering.



It was commissioned by the Land Management Corporation at Mawson Lakes, in conjunction with Arts SA and the Salisbury City Council.

The competition was run in September last year, and sought ideas for a work which would connect people, technology and the environment, which symbolically represents the aspirations of Technology Park and the Mawson Lakes residential development.

The sphere is symbolic of both the world and a single atom.

The segmented 'eggbox' construction causes an impressive interplay of light, shadows and reflections. As the observer moves past the sphere, there is a suggestion of interaction with the environment, and of complexity within simplicity.

But this wasn't enough on its own, according to Murphy.

"It needed to meet several more criteria: it had to be appealing to children (there's a

kindergarten next door); simple and reliable; easy to maintain; and had to meet health and safety requirements,” Murphy said.

“We came up with the idea of having light sensors mounted inside each cell, so that people could compose their own tunes and put words to the tunes. So it became a ‘sound sphere’.”

Margaret Worth has completed a number of public works of art throughout Australia and the US, and requested Murphy’s collaboration as an engineer.

Murphy’s part was to find a way of bringing technology into the work.

The work will be completed by June and will be located next to Innovation House at Technology Park.

The final work will be handed over to Salisbury Council who will own and maintain it. The date of the unveiling ceremony is yet to be confirmed.

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UniSA lecturer wins Harkness fellowship

UniSA lecturer in pharmacy practice Dr Libby Roughead is one of only two Australians to win the Commonwealth Fund's Harkness Fellowships in Health Care Policy for 2003-2004.

The award, worth up to US\$85,000, will allow Dr Roughead to spend up to a year in the United States conducting research and working with leading US health policy experts.

Dr Roughead has been involved in developing aspects of Australia's national medicines policy, particularly concerning efforts to improve the quality of medicine use. Her research experience, which includes a PhD on the quality use of medicines, is well recognised, reflected in her appointment to a number of Federal Government expert advisory committees.

"The Harkness Fellowship will enable me to further develop my research capacity and experience to include an international perspective concerning health systems, approaches to medicines policy and their effectiveness.

"In my capacity as expert advisor to Government, I will be able to bring this experience directly to future health policy development in Australia," Dr Roughead said.

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Easier access for students with disabilities

by [Karen Williams](#)

Access to learning resources will soon be made easier for students with disabilities, with the installation of adaptive technology suites at each metropolitan campus library.

The suites will feature adjustable height tabletops for improved wheelchair access and large screen computers with various input options.

Software, including voice activation, screen reading, and advanced spelling and grammar tools will be available, along with the capacity to meet specific requirements as they arise.

The idea of the suites had its genesis early in 2002, and was driven by the Disability Advisory Group, chaired by Dr Kerri Allen.

The Vice Chancellor Professor Denise Bradley provided funding, and the Acting Pro Vice Chancellor, Access and Learning Support, Dr Alan Bundy, has been overseeing the implementation of the suites.

Information gained from student exit surveys conducted by the Learning Connection Disability Service last year revealed that some students with disabilities cannot use the standard computing facilities in computer barns. The suites will assist these students with their learning needs.

Students with a range of disabilities will benefit, according to Stephen Manson, disability liaison officer for Learning Connection.

“The large monitors and capacity for screen reading output will improve access to the University’s online environment for vision impaired students. The computers also have the capacity to interact with devices used for producing Braille. Students with specific learning impairments such as dyslexia will be able to use advanced reading and writing tools,” Manson said.

“The suites are designed to be broadly accessible but also adaptable so that they can

be modified to meet the specific needs of individual students.”

The suites will be operational early in semester 1. Enquiries regarding the suites can be directed to Stephen Manson on 8302 4736.

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Student services moving with the times

Lucy Schulz, director of Student and Academic Services, reflects on a landmark year in student service initiatives and says "bring on 2003!"

2002 was a very successful year for student services at UniSA and it's good to reflect on our achievements over the past year and look forward to what's planned for 2003.

The new Enrol Online (web enrolment interface) was put in place this year and is a great example of a user friendly information technology solution. Enrol Online provides a step-by-step path including class search and timetable planning and online entry of payment details for HECS-based students. The hardware 'behind the scenes' has also undergone a major revamp and therefore lots of students can enrol at the same time.

In response to student feedback, enrolment support materials including enrolment advice and online help, and support services have also been enhanced. We have again employed students to assist as enrolment buddies and in addition to existing support provided by Campus Central we now have Enrol Chat, a student chatroom that provides students with fast and effective advice and assistance while students are online enrolling.

In our push towards 24/7 service and support we continue to expand our online services. LookUp, our student portal, now includes specific screens for our transnational students and new web-based tools and resources have enabled us to increase the number and quality of online offerings available to students.

During 2003 we will improve program and course information management to ensure students have accurate information about what's offered and our Web Pay service will be expanded to enable fee payment at the same time as enrolment. The UniSA website will also get a major overhaul making it easier to find the things you need.



A new student ID card, a 'credit card' style photo ID card will be introduced in 2003 providing access to library services, photocopiers, travel and other concessions and in future will provide secure access to UniSA buildings and facilities. Firstconnection will be launched in 2003, replacing the old-style orientation week with a program of activities, workshops and services that focus on connecting students effectively to their program of study and the University community.

We continue to develop our IT resources and enrich the University's online environment in support of student learning. In response to student demand there are three new computer barns, including a 24/7 barn at Underdale. Students can now check the number of pool computers available at any given time via an interactive website and we have consolidated pools to improve accessibility, security and support for extended hours. We've upgraded around 340 computers in pools and barns with CD burners, have increased student print quotas and during 2003 wireless network coverage will be implemented at City West to allow connection to the network from any computer (including laptops) anywhere on campus.

The Student Ombud joined UniSA during 2002. Responsible for ensuring that all students receive fair and equitable treatment, the Ombud investigates independently and impartially and makes recommendations on issues raised by individuals or groups of students.

We are also collaborating with other service providers to expand and improve our student services including with the UniSA Students Housing Association for direct and online booking of accommodation, and the University of Adelaide for escort bus services for students living close to the city.

Using the new library system, Voyager, students can not only track their UniSA borrowings, place items on hold and check availability from any computer with internet access, but they can also search the library catalogues of all three SA universities. There is always lots happening to improve UniSA services and facilities for students and in 2003 this is just a glimpse of what you will hopefully see and experience.

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UniSA and TAFE working together

UniSA and TAFE SA have signed a memorandum of understanding, expressing their intent to work together in new ways to improve quality, efficiency, equity and access in providing tertiary education and training in South Australia.

The MOU – signed at a ceremony on December 9 and witnessed by SA Minister for Employment, Training and Further Education, Dr Jane Lomax Smith – also signals a desire to cooperate when marketing education and training outside of the State.

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UniSA staff part of the action

Business manager at the Institute for Telecommunications Research, Jeff Kasparian, was one of 20 UniSA staff members who rode in Tour Down Under's inaugural Breakaway Tour, where amateur cyclists got to ride on the same course as the professionals. This is his account of the odyssey.

All revved up with somewhere to go: Alex Grant, Jeff Kasparian, Lars Rasmussen, David Haley and Craig Burnet getting ready for the Breakaway Tour



Last December the call came for UniSA staff interested in taking part in the inaugural 2003 Jacobs Creek Breakaway Tour – and it was that challenge (or the \$20 discount offered to UniSA staff) that made five (wannabe) elite athletes from the Institute for Telecommunications

Research sign up – Lars, Alex, Craig, David and myself. And we were not aiming for the 85km option – it was the full 140km for us!

But there were a few things missing, like decent training and time to fit it into the hectic holiday season. It was also important that the equipment matched the eliteness of the athletes. A few of us had taken care of that some time before, but for a couple of the guys the event was a significant motivator to 'trade up'. (For those academics out there, I'm sure there is statistical evidence that money spent on the bike means you don't have to train as much!)

We all did our best training over the break and leading up to the event. Most of us cycled 500km plus in the month leading up to the event, with the most challenging training being a 103km ride on the actual course (from Jacobs Creek to the top of Menglers Hill) 10 days before the ride – in 39 degree heat! I learnt that day that if you draft too close to a rider in front of you and touch their wheel, you fall over and bleed! On the basis of our time during that practise, we were not sure if on the day we would beat the professional riders home to Kapunda (they leave at 11am and were due in at 2:30pm, we leave at 8:30am and wanted to beat them home).

The Big Day arrived. Up at 4:30am for a decent breakfast, the weather was forecast at 28 degrees thankfully and we were all rearing to go. We even had our

own backup vehicle for drinks and food. The event was a real buzz. Having never done this before, it was fantastic to be among the 400 riders who left from Jacobs Creek.

Riding in packs along the way was great and helped conserve energy. Drinking plenty of fluid was mandatory, and by the amount of fluid output stops made by a couple of us, I think we were hydrated enough.

Menglers Hill at the 100km mark is a real b*%&#. After almost four hours in the saddle, it is something you can do without. More fluid and heaps of energy converting fruit and bars at the top filled up the tank for a mainly downhill run to the finish line. Approaching the big finish arch in Kapunda was a real buzz – there had been people cheering all through the event, but getting the checkered flag with lots of cheers was awesome.

The five of us arrived at the finish line within 10 minutes or so of each other, the first at just over five hours. We were home in plenty of time to see the professionals come in and have our day of glory.

I wonder if Mike Turtur wants another team next year – Team ITR?

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Our people - Mel Russell

Securing a better future



My association with UniSA began back in 1986 when I began work at the city campus of the South Australian Institute of Technology. As a young man of 26 who had done a lot of factory work, as well as digging trenches for a time, I thought I had died and gone to heaven when I landed a job in Security. In those days I had long black hair and a lot of enthusiasm. Some 16 years later the enthusiasm that comes from working with young people hasn't waned, pity I can't say the same for my hairline.

Outside of the University I continue to work with young people as a youth leader at Two Wells Uniting Church. On top of this I have two teenage boys of my own – a glutton for punishment you might say! It is very rewarding to see young people growing up to be happy, well adjusted adults.

These are hard times for young people. Many are concerned about the onset of war and the state of the world since 9/11. In my own job I try to use the customer service principles that the University has taught me to help make the experience of studying or working here a positive and enjoyable one for those I come across.

As we begin this New Year it is important for all of us to continue to be positive and at the same time be more aware of our own surroundings.

Please report anything you feel is suspicious to Security immediately if you become concerned. Don't ignore those feelings of unease about a person or a given situation as your intuition is usually the best guide. We are always happy to be of any help. Call 88888 on any internal phone.

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2002 awards round-up

Winners of the postgraduate student awards (clockwise from left), Cassandra Loeser, Gregory Maguire, Richard Muncey, Nicola Richards, Grant Tomkinson, and Liam O'Shea
Photo: Charlotte Knottenbelt



UniSA Students Association Postgraduate Awards

Business and Enterprise Research Student of the Year

Richard Muncey

Finalist: Louise Reynolds

Education, Arts and Social Sciences Research Student of the Year

Cassandra Loeser

Finalists: Tracey Bretag, Pam Carden, Pamela Winter

Information Technology, Environment and Engineering Research Student of the Year

Lynne McArthur

Finalists: Gail Langley, Julia Burnard, Wayne Piekarski

Health Sciences Research Student of the Year

Grant Tomkinson

Ian Wark Research Student of the Year

Nicola Richards

Education, Arts and Social Sciences Coursework Student of the Year

Liam O'Shea

Information Technology, Environment and Engineering Coursework student of the Year

Gregory Maguire

General Staff Person

Security, Underdale Security team

Finalist: Dr Debra King, Learning Connection, City East

Lecturer

David Williams, School of Education, Magill

Finalists: Stephen Boyle, International Graduate School of Management; Maureen Wilkinson, School of Medical Radiation; Su Upton, School of Psychology, City East.

Program Director

David Rivett, School of Accounting and Information Systems. Mr Rivett is to be especially congratulated for winning this award two years in a row.

Finalist: Jo Caust, International Graduate School of Management.

Associate Supervisor

Associate Professor Adam Jamrozik (Yamrozik), School of Social Work and Social Policy

Finalists: Erica Riebe, Marketing Science Centre; Dr Sev Nagalingam, School of Advanced Manufacturing and Engineering

Supervisor

Dale Bagshaw, School of Social Work and Social Policy

Finalists: Associate Professor Maureen Dollard, School of Psychology, City East; Professor Michael Taylor, School of Geoinformatics, Planning and Building

Vice Chancellor's Awards for General Staff Excellence

Individual winners

Sally Carpenter, Research Services for providing Quality Service; Pat Watson, Assurance Services for Building Bridges; Trevor Christofis, The South Australian School of Art for providing Quality Service.

Team winners

The Integrated Library

Management System for Building Bridges

Team members: Margareta Nicholas, Elizabeth Collins, Irene Doskatsch, Heather Dutney, Matthew Hooper, Mervyn Islip, Marcia Lohe, Daniela Nastasie, Tania Pugh, Juli Pullman, Jenny Quilliam, Fiona Thomson, Arne van Zijl, and Roy Worthington

The Medici Project Management (pictured)

Team for Leading Change and Providing Quality Service

Team members: Lohlan Lee and Judy Szekeres



The Experience Bank Team for Working Smarter, Getting Results and Building Bridges

Team members: Lorraine Connor, Stephen Jeisman, David Walters, Simon Matthias and Adam Barclay

Commendations

Anne Marie Lynch, Underdale Library; Lynn Bussenschutt, Systems Engineering and Evaluation Centre; Warren McKenzie, The Spencer Gulf Rural Health School; The International Relations Team, International Office; Murray Barr, Learning Connection, City West; Advanced Manufacturing and Mechanical Engineering Team; Julie Browne, Division of BUE; The Australia China Business Studies Centre, IGSM; Sue Lintern, Learning Connection; Lorraine Connor, Flexible Learning Centre; Julie Kalms, Division of BUE Office; School of Electrical and Information Engineering OHS&W committee; Sun Microsystems Real Time Computing Laboratory; Andrew Monk, de Lissa Institute of Early Childhood and Family Studies; Neill Sanderson, School of Marketing; Annie Campbell, Division of EASS; Janet Hubner, Division of BUE office; Trish Wescombe, Campus Services Magill and City East, formerly of the Flexible Learning Centre

Teaching Excellence Awards

Winners

Denise MacGregor

Program Director, Technology Education, School of Education, Underdale

Kathy Paige, Mike Chartres and David Lloyd

Science and Mathematics Education Team, School of Education, Underdale

David Morris and the late Nicholas Opie

Design and Construction Architecture stream, Louis Laybourne Smith School of Architecture and Design

Highly commended

Associate Professor Rick Sarre

School of International Business

Professor Andrew Nafalski, Jan Machotka and Zorica Nedic

School of Electrical and Information Engineering

The Medical Radiation Postgraduate Teaching Team
School of Medical Radiation
The Masters in Counselling Teaching Team
School of Psychology

A ceremony to celebrate the achievement of these outstanding teachers, together with UniSA's finalists and winners in the Australian University Teaching Awards, will be held on February 18.

Vice Chancellor's Awards for Innovation

Award for Innovation:

Process Improvement

Nursing Field Placement Unit Team

School of Nursing Innovative Allocation (SONIA)

Team members: Kate Andre, Lauren Spencer and Carmen Baker

SONIA is an innovative software system developed by the staff of the Nursing Field Placement Unit Team to manage around 2500 local and interstate clinical placements each year. SONIA is accessible by the web and allows students to access information about clinical venues and select their preferred choice from the venues available. SONIA was designed in collaboration with industry partners.

Award for Innovation:

Product Improvement

Analysis and Sensors Group Team

Development of a real time monitoring system for wine fermentation

Centre for Molecular and Materials Sciences

Team members: Dr Alexander Badalyan, Associate Professor David Davey and Dr Stan McLeod

This product comprises a UniSA designed and built software system that monitors the wine fermentation process. The system is able to automatically take wine samples at hourly intervals, providing winemakers with critical information on factors affecting fermentation.

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Academic Board

The following was noted at the November 2002 meeting of the Academic Board.

Towards a teaching and learning framework 2010-2015

The Vice Chancellor introduced a discussion paper identifying the assumptions that will guide the development of the University's Teaching and Learning Framework 2010-2015.

Prof Bradley reported that during 2002, there had been a process of discussion and consultation about the values and broad directions that might underpin a new framework appropriate for the next decade and beyond.

The existing framework, first articulated in 1993, had served the University well. However, late last year it was decided to consider whether it was timely to begin the development of plans for the future.

A Working Group was established late in 2001. A draft discussion paper was subsequently prepared and discussed at workshops with Senior Management Group (SMG), Heads of School, Managers and Program Directors.

The paper was redrafted and distributed throughout the University community. While there was overwhelming support for the directions outlined in the paper, further amendments were made in light of the feedback received.

The consultation process culminated in a set of agreed propositions about the values and broad directions that should form the foundation of our future Teaching and Learning Framework. The next stage will involve building on our existing framework, and developing a new framework throughout 2003.

It will incorporate the key purposes of the University's present distinctive approach to teaching and learning, and locates these within a broader social, political and economic context.

The existing seven Qualities of a University of South Australia Graduate will continue

to be used to describe the outcomes sought from all programs, as a distinguishing characteristic of the University's teaching and learning environment.

At the same time, it is understood that academics will need to locate Graduate Qualities within different program emphases that occur between disciplines or result from specific levels of study. Indicators that elaborate the qualities will also be prepared as a support for academics in the process of contextualisation.

Flexible delivery will facilitate the achievement of the central commitments of the University to student centred learning, and the fostering of Graduate Qualities in all our programs.

It is acknowledged that a degree of specialisation in teaching and learning arrangements will be inevitable.

The Teaching and Learning Framework 2010-2015 will continue to emphasise the applied nature of the mission of the University, and the consequent importance of knowledge generation and application in the preparation of successful graduates.

The new framework will clearly identify the inclusive nature of the University's approach to teaching and learning, characterised by a determination to improve opportunities for all students, together with specific access and equity initiatives directed to those who experience educational disadvantage as a result of historical or contemporary circumstances.

Extension of pilot UniSA PAL project

Academic Board approved the extension of the UniSA PAL pilot program in 2003, to deliver Level 1 of the Diploma of University Studies (MDUS) to adult re-entry students at Para West Adult Campus, Marden Senior College, Hamilton Senior College and Thebarton Senior College.

Changes to undergraduate entry

The Board endorsed proposals to expand USANET from 2004, to stimulate demand and encourage more Year 12 preferences to the University. In addition, it was agreed to introduce bonus points for SACE Stage 2 Mathematics in 2004.

Program development

The following new program was approved:

Division of Business and Enterprise

- Bachelor of Management (Human Resource Management)

[Peter Cardwell](#)
Executive Officer

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Research update

www.unisa.edu.au/arc

Below is a list of new grant and fellowship opportunities that have become available in the last month. If you would like details of other current grant or fellowship opportunities please visit our website:

Current grant opportunities

<http://www.unisa.edu.au/orc/grants/grants.htm>

Current international funding opportunities <http://www.unisa.edu.au/orc/grants/international.htm>

Current Research Fellowship and Award Opportunities <http://www.unisa.edu.au/orc/grants/fellowships.htm>

For further information please contact the Grants Officer on 8302 3954 or by email Maria.A.Arena@unisa.edu.au

New grant opportunities

Australian Research Council

Discovery – Projects

<http://www.arc.gov.au/ncgp/discovery/projects/default.htm>

Internal closing date 21 February 2003

External closing date 7 March 2003

Discovery – Indigenous Researchers Development Program

<http://www.arc.gov.au/ncgp/discovery/ird/default.htm>

Internal closing date 18 April 2003

External closing date 2 May 2003

Linkage – International Program

<http://www.arc.gov.au/ncgp/linkage/international/default.htm>

Internal closing date 7 March 2003

External closing date 21 March 2003

Linkage – Infrastructure Equipment and Facilities (LIEF)

LIEF provides funding to institutions for research infrastructure that will be used to support high quality research projects.

Internal closing date 18 May 2003

External closing date 2 May 2003

Australian Pork Limited

Call for Proposals – "Updating APL's Mating and Reproduction Manual"

As part of the APL's strategic plan to deliver information and services of value to the pork industry, APL would like to update the current Mating and Reproduction manual produced in 1992.

Internal closing date 31 January 2003

External closing date 14 February 2003

Commonwealth Department of Education, Science and Training

Innovation Access Programme (IAP) – International Science and Technology

<http://www.dest.gov.au/science/iap/>

Internal closing date 21 February 2003

External closing date 7 March 2003

Heart Foundation

Call for Applications for Research Grants-In-Aid (Funding commencing in 2004)

Applications are invited for financial support for research in the study of cardiovascular disease and related disorders. <http://www.heartfoundation.com.au>

Internal closing date 21 March 2003

External closing date 4 April 2003

Ian Potter Foundation

Travel and Cultural Trust – Travel Grants

<http://www.ianpotter.org.au>

External closing date – applications are accepted four times a year – 3 February, 1 May, 1 October and 3 November 2003

International funding opportunities

Association of Commonwealth Universities – Award Scheme for University Staff 2003/2004

ACU Quality of Life Awards

Grants for innovative projects dealing with the creation and dissemination of knowledge to the benefit of civil society.

Internal closing date 12 May 2003

External closing date 31 May 2003

British Academy/ACU Grants for International Collaboration 2003/2004

To support international joint projects, involving British scholars in collaboration with Commonwealth partners. Applications must be for projects involving genuine collaborative work between a defined group of scholars in other Commonwealth countries.

Internal closing date 21 April 2003

External closing date 1 May 2003

ACU Titular Fellowship

Fellowships are offered in subject areas in which the needs of developing countries are particularly great. The purpose is to enable universities of the Commonwealth to develop the human resources of their institution and countries. Note that the University may only make up to two nominations.

Internal closing date 12 May 2003

External closing date 31 May 2003

University of Cambridge

Smuts Visiting Fellowships in Commonwealth Studies 2004-2005

Applications are invited for one or two Smuts Visiting Fellowships in Commonwealth Studies. Fellowships are available for research in the field of Commonwealth Studies, including the Commonwealth related aspects of archaeology, anthropology, economics, and other related fields.

Intending applicants should email the Secretary, Smuts Memorial Fund at kfw20@admin.cam.ac.uk for an application package.

External closing date 28 August 2003

National Science Foundation (US)

Funding opportunities

http://www.nsf.gov/sbe/int/int_opptype.htm#top

External closing dates – various

Fellowship and award opportunities

Australian Museum

The 2003 Australian Museum Eureka Prizes

<http://www.amonline.net.au/eureka>

External closing date 16 May 2003

Brain Foundation SA

Elizabeth Penfold Simpson Prize

The Brain Foundation is offering a prize of \$15,000 for the best original research work in any of the basic or clinical neurosciences carried out wholly or chiefly in

South Australia during the period 1 January 2001 –
31 December 2002.

External closing date 28 March 2003

[Searching for a scholarship?](#)

The Joint Academic Scholarships Online Network (JASON) is a national online system of postgraduate scholarships. Load your own profile and obtain regular updates.

www.jason.unimelb.edu.au/

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