Annette George is the new face of women in science. She is young, enthusiastic, innovative, an excellent teacher and now taking over the leadership role in her discipline at UWA.

Dr George has just become the inaugural winner of the Dorothy Hill Award from the Australian Academy of Science. It is a new award for women under the age of 40 and recognises excellence in the earth sciences, including reef science, ocean drilling, marine science and taxonomy.

Her work as a geologist in unlocking the secrets of WA’s Canning Basin reefs won her the prestigious award.

Professor Brian Anderson, President of the Academy, said: “Dr George brings an innovative approach … and has established herself as an outstanding teacher. She has been able to focus new attention on one of Australia’s unique geological features, the reef complexes of the Canning Basin.”

Dr George is a senior lecturer in Geology and Geophysics and, with the recent restructure, has taken on the leadership, while Associate Professor Mark Barley moves to head of the School of Earth and Geographical Sciences.

“The Canning Basin reefs are spectacular — about the size of Texas, nestling up against the Kimberley where the reefs are perfectly exposed for about 350 kilometres”
“Beware Rolling Boulders” is the dramatic warning sign that appears at various points along our great northern highway as it winds its way through the visually stupendous and grand rocky landscape of the north-west between Newman and Hedland.

It is not obvious if you are the motorist as to what is the best evasion tactic if the “Beware” becomes reality! Drive very fast was my wife’s advice if the boulder appeared in the rear view mirror ...

The sign reminded us of another sign outside a major international airport – “Beware low flying aircraft”? Again – how to ‘beware”, how to avoid disaster?

In higher education, the 2002 sign will need to read “Beware Reports”.

I have already alerted you to the challenges (and opportunities) that will arise as a result of Minister Nelson’s major Commonwealth Review of Higher Education at the Crossroads. The details of that are now emerging and we are already preparing the UWA strategy beginning with a submission by late June, and consultations in Perth (20 to 22 August).

But there are now also other major reviews being set in motion at a national level, combined with WA State initiatives that will surely shape the universities of the future across the sector. UWA will not be immune from these changes. Nor should we want to be - we wish to see substantial policy and funding changes to benefit our University and its special mission goals as embedded in the OPP (our Operational Priorities Plan, now in a cycle of annual review and target setting for 2002-3)

Apart from the sector review, there will also be several other critical exercises in measurement and strategic identification of national goals:

- a reference to the national Productivity Commission from DEST will lead to a report on the funding and outcomes of our University sector compared with other national public sectors.

Each of these initiatives will run concurrently through 2002 and our Executive will assure campus involvement wherever possible, capturing both views from within UWA and also developing carefully designed submissions or public statements.

At the level of AVCC, the Go8 and the learned academies, we shall also advance these UWA positions.

Finally, at a State level, a revitalised WAHEC (Western Australian Higher Education Council) has been developed by the Vice-Chancellors of our five universities in conjunction with the Minister, Alan Carpenter. We shall be developing State positions on key matters such as additional places for WA universities, contributions to the Nelson review and research priorities assessments process, as well as collaborative international strategies. Professor Alan Robson, as our Deputy Vice-Chancellor and Provost, will fortunately be closely involved in developing our State case. And Professor Michael Barber, as our Pro Vice-Chancellor (Research and Innovation) is placed in a key role from within the Academy of Sciences, in leading response to national research priorities.

With many of you I also, personally, felt considerable concern and considerable regret, at the tone of the Crossroads paper – too little recognition of the pressures felt by all our staff, too little about funding hope, and too many critical assertions (unsubstantiated) about our capacities and effectiveness as institutions in change.

I was therefore pleased to find a more positive tone in the presentations to the first of the Reference Group Meetings last week. And a plain statement from the Minister of regret at any negative impact by the Departmental paper – on which I had written to him personally.

The bottom line is that we must, in this year of reviews and unsettlement, hold fast to our key principles and values. And also advance strongly the changes we desperately need in higher education – greater investment, in the light of defined outcomes, and greater flexibility to shape our own future.

The future begins in this year of reviews.
As a young clinical psychologist working in Canada, Deborah Dewey noticed that children who had learning, behaviour or language difficulties also had problems with their motor skills.

“The only way I could do some work in this area was if I studied human movement, or what we call kinesiology in Canada,” Dr Dewey said.

So the psychologist went back to school and did a Masters in Kinesiology, followed by a PhD in psychology and was then equipped to develop her paediatric research into developmental disorders.

An Associate Professor of Paediatrics at the University of Calgary, Dr Dewey is the R K Gray Fellow at the School of Human Movement and Exercise Science. She has been talking for several years with Human Movement’s Dr Dawne Larkin and, together, they are spending a year laying the groundwork for the development of new assessment measures to identify children with developmental motor problems.

“Language and learning difficulties are picked up easily but motor skills — balance, being able to catch or throw a ball, co-ordination — are often not picked up unless they are very severe. And they can have just as big an affect on people’s lives as problems with speaking and reading,” Dr Dewey said.

“Problems with motor skills can lead to children being overly quiet, becoming isolated, not joining in activities and then developing major social problems. And they can also be affected physically because if they shy away from physical activity for the rest of their lives because they feel inadequate, that could have a marked effect on their health.”

She said it had only been the past five to ten years that health researchers had started to connect the learning/language/behaviour problem with motor difficulties.

“And Dawne and I have been concerned for several years about the assessment tools used by health professionals in this area. That’s why we’re starting to redesign them.

“Speech is one of the most complex motor skills we need to master, so if children are having difficulty talking, it is likely that they will have some trouble with other movements, like running and throwing a ball.”

“So we need to look at those children with speech difficulties to see if they have motor difficulties as well.

“We are trying to be more specific about where a problem is and to develop better earlier intervention. We can then develop children’s self-confidence earlier and develop their physical skills before they have a chance to slip into bad habits.”

While she is at UWA, Dr Dewey is continuing her developmental studies on autistic children, children who had very low birth weights and children with diabetes and asthma. She has already found that social development in adolescents and young adults with diabetes is slower that that in otherwise unaffected young people and is starting to see if the same applies to young people with asthma.

Dr Dewey is also interested in diabetic parents and is looking at the neurobehavioural outcomes of children of mothers with Type I diabetes who experienced severe hypoglycaemic lows during pregnancy.

The RK Gray Fellowship is a memorial to Dr Robin Gray, the initiator of the first Department of Physical Education at UWA, the forerunner to Human Movement and Exercise Science.
Ten years ago, Dr George was working at the University of Melbourne and accompanied one of the PhD students on a trip to the Kimberleys.

“I fell in love with it, and, within the year, I had a position here, at UWA, which enabled me to spend several months a year in the area, for the past three years,” she said.

“The Canning Basin reefs are spectacular. They are world class and the best example of reefs of this age world-wide. They cover an area twice the size of Victoria, about the size of Texas, between Port Hedland and Broome, nestling up against the Kimberleys where the reefs are well exposed for about 350 kilometres.

“They date back 360 million years, when the area was a sea and that part of the Australian continent was at 10 degrees latitude. So they are beautiful tropical reefs, to rival the Great Barrier Reef.”

Dr George explained the reefs were built up by stromatoporoids (carbonate sponges) and cyanobacteria and the building kept going after other reef building in the world stopped following a major extinction.

Fossils including the State’s fossil emblem, the Gogo fish, are readily discovered in the Canning Basin.

“By looking for exposure surfaces (when sea levels fell) and putting together models of how the reefs grew, we are trying to predict what the rocks are like subsurface, to aid in the search for minerals and petroleum,” she said.

“I hope our work will lead to more activity in the Canning Basin, it’s really still under-explored.”

Dr George teaches undergraduate classes in all years and supervises Honours students and six PhD students.

She has been collaborating for six years with Professor Nancy Chow from the University of Manitoba, comparing the Canning Basin Reefs with the western reefs in Canada. Professor Chow will visit UWA again this year.

Also later this year, Dr George will present some of her work to a major petroleum conference, the Western Australian Basins Symposium, the premier industry forum, held every four years.

Sue Robertson thanked UWA’s Human Resources staff “who share a vision with us” and made special mention of their clients’ co-workers, who make it possible for people with disabilities to continue to work in mainstream employment.

One of Edge’s successful placements at UWA, Greg Madson and his guide dog Pollock, share the Vice-Chancellor’s delight at the award from Edge Solutions’ Managing Director, Sue Robertson and Chairman of the Board, Barrey Williams.

Edge Solution’s Chairman of the Board, Barrey Williams, said that Edge had found 2,600 jobs for more than 1,000 people with disabilities since its inception in 1984.

“Our aim is to get people with disabilities into mainstream employment and here in Perth, where we have placed 396 people, we can support them for half of what it costs in the eastern states,” Mr Williams said.

“The agency receives 12 per cent of the Commonwealth’s funding allocation for WA, but supports 23 per cent of people with disabilities supported by specialist employment agencies in the state.”

The Vice-Chancellor, Professor Deryck Schreuder, said it was so important that the University reflected society. He paid tribute to the support for workforce diversity of the Deputy Vice-Chancellor, Professor Alan Robson.

Special employees given the edge

One of Australia’s biggest and oldest employment agencies for people with disabilities recently congratulated the University on its commitment to the cause.

Edge Solutions, set up by UWA psychology graduate Sue Robertson, who is now the company’s Managing Director, presented the Vice-Chancellor with an award to recognise UWA’s work in employment diversity, especially in the past couple of years.

UWA has employed 22 people with disabilities since 1991 and has been even more focussed on achieving equality since the launch of the Workforce Diversity Strategy last year.

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Rocky rise for top geologist

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On top of this, she is also working to keep communications going within the faculty, through the stresses of the restructure.

“It’s been a long process” she said.

Dr George also expresses concern for the low percentage of senior women in science. She hopes that awards like the Dorothy Hill will encourage more young women to seek careers in science and stick at them.

The Dorothy Hill award commemorates the achievements of Professor Hill, a distinguished geologist and palaeontologist and the only woman to serve as President of the Australian Academy of Science.
Sue Boyd is Australia’s High Commissioner to Fiji, a highly-respected international diplomat.

But last month, she returned to the days of students pranks when she visited her old college, St Catherine’s, to officially open their new extensions and renovations.

Dr Boyd (who had just accepted an honorary Doctor of Letters from UWA) met up with current residents of one of the few university colleges in Australia to cater just for women. She also rekindled friendships with her fellow residents from the 1960s, including Jacqui Musk, Penny Ferrier and Shan Ralph.

Sue Boyd’s family migrated from England in 1966. Although they settled in Perth, Dr Boyd moved into St Catherine’s after enrolling in arts at UWA.

“In England, it’s traditional that you go away to university, so it seemed natural that I would live away from home,” she said.

She became involved in student politics and was the first female Guild president. Dr Boyd led the campaign to have an underpass built between the residential colleges and the campus, after a fellow resident was killed crossing Stirling Highway.

“It was very hard going. Four authorities come together at this junction: the University, Main Roads, the Subiaco and Nedlands councils. It was taking months and months to get anything done.

“So we set up a stunt and got the boys from St George’s to bring their shovels down to St Catherine’s and they started digging up the median strip, to start the tunnel! We got a lot of publicity, but still no underpass.

“Then we staged a sit-in on Stirling Highway, with hundreds of students stopping the traffic. That worked and the tunnel was eventually built.”

Dr Boyd followed her BA with a Diploma in Education, then worked as a journalist on the Perth Daily News for a few years before joining Foreign Affairs.

She has served throughout the Asia-Pacific Region, including Vietnam and Hong Kong. She arrived in Fiji just before the coup and said that it was like having a lifetime of diplomatic experiences all squashed into a few months.

“It was – and is – a situation in which I need to be constantly thinking about what Australia can do to help Fiji while also looking after Australia’s interests,” she said.

“You can never relax.”

Dr Boyd said the longest time she had lived in one place since her childhood was her four year at St Catherine’s. She loves her life, has no ambitions to enter politics and, even though she has bought a house in Perth, has no plans to ‘settle down’.

She believes that many of the leadership skills she uses today were developed during her student days.

“So I’m delighted to be asked back here to open the extensions,” she said.

The new $850,000 facilities at St Catherine’s include a new computer room, senior common room, multimedia theatre and group study area.

The extensions were funded by generous gifts from benefactors Jean Rogerson, Malvina Wood, Joyce Riley and Jean Randall, all of whom were closely associated with the college during its early days.

Head of St Catherine’s, Yvonne Rate, says that the facilities are now as good as or better than any other university college in Australia.
With its mellow brickwork rising above the slope of green lawns, St George’s Cathedral is one of Perth’s best-loved landmarks - and it has earned its place in history. National events were marked within it; rock music, theatre and ballet occasionally disrupted its tranquil hush; and the strains of rousing anthems and hymns resonated through its lofty interiors.

When he set about writing a history of the cathedral, John Tonkin, a Professor of History and Head of the School of Humanities at UWA, was determined to produce a history of a community rather than a building - so the national and international events that drew people to the cathedral; the role of the church during war and depression; the occasional bitter divisions that erupted over the ordination of women to the priesthood; and the angst caused by rock masses in the 1970s, or the appearance of a Buddhist abbot - all these are covered in Professor Tonkin’s most readable book Cathedral and Community.

“My focus on the community meant that 1888, when the cathedral was built, was not the starting-point, but only an important milestone in a continuous story of a community stretching back to the foundation of the Swan River Colony, and to the first service held under a jarrah tree in 1829,” says Professor Tonkin.

In bringing together the many skeins of this story, Professor Tonkin explored not only the extensive holdings of the State Archives, but the libraries of the Oxford and Cambridge colleges which nurtured almost all the deans and bishops; the archives of the great missionary societies which supported the new community in its early days; and the papers of the various archbishops of Canterbury in Lambeth Palace Library that chronicled the links between the Mother Church and its antipodean offshoot.

In exploring the archives of local newspapers, he was struck by the extensive coverage of church affairs that were reported regularly “with a degree of detail and passion now reserved for competitive sport”. In the early days, he explains, the cathedral’s community comprised many of the ‘movers and shakers’ of Perth society, including UWA’s first benefactor, Winthrop Hackett.

This illustrated history covers 170 years, from the ‘Rush Church’ to the ‘Court House’ to ‘Old St George’s’ Church and finally to the cathedral as we know it today. Published by UWA Press, Cathedral and Community is on sale at the cathedral, and at the UWA Co-op Bookshop.

Three books from UWA Press have been shortlisted for this year’s Premier’s Book Awards, in the non-fiction category.

They are The Salinity Crisis by Quentin Beresford, Hugo Bekle, Harry Phillips and Jane Mulcock, Mission Girls by Christine Choo and Milk and Honey — but No Gold by Nonja Peters.

Jane Mulcock is a PhD student in Anthropology. Christine Choo has a PhD in History from UWA and is currently an Honorary Research Fellow in Social Work. Nonja Peters has a PhD in Anthropology also from UWA and was recently appointed Director of the Centre for Migration Studies at Curtin University of Technology.

The awards will be announced on May 24.
As academic executive officer for UWA’s Institute of Advanced Studies, Terri-ann White (pictured) has a talent for putting together unique and inspiring programs and enticing some of the world’s best minds to our campus.

But her other great talent – and her great passion – is writing.

Ms White is the only Western Australian writer to be invited to participate in the country’s biggest writefest, the Sydney Writers’ Festival, later this month.

She has also recently been chosen to chair the reinstated writers’ festival of the Perth International Arts Festival.

Her recent novel, Finding Theodore and Brina, inspired the director of the Sydney festival, Meredith Curnow, to invite Ms White to take part in areas concentrating on biography.

Theodore and Brina are Ms White’s great-great-grandparents who came to Australia, one as a convict, one as a free settler. She traces her family from those roots in what she describes as ‘fractured narrative – one that doesn’t have a linear progression’. The novel is a unique combination of history, personal memoir, fiction, public history and myth.

She will chair the first session of the festival, The Obligation of Biography, with Booker Prize winner Thomas Keneally and three Victorian writers, Janine Burke, Don Watson and Ross McMullin on the panel.

During the four-day festival she will read from her book and, on the last day of the festival, she is a panel member leading a discussion called Putting Yourself in History.

The Sydney Writers’ Festival was originally part of the Sydney (arts) Festival but for the past five years, it has been a stand-alone gathering of writers from all over the world. About 30 international writers and more than 100 from around Australia are invited and many more are expected to join in the events. Among the invited guests are politicians, broadcasters, actors and publishers, people with great influence on writers and their lives.

Ms White will probably take a leaf or two out of the Sydney festival for the PIAF Writers’ Festival, which will be the first for three years. She is co-chairing the two-week event with Richard Nile, Professor of Australian Studies at Curtin University of Technology. For the first time, the two universities are co-hosting the festival.

“We haven’t firmed up on anything yet but our themes are likely to be the Middle East and Asia, and dreaming: dreaming of home, of belonging, of unity and reconciliation,” said Ms White.

She said their committee, from UWA, Curtin and the community, had already invited some inspiring internationally successful writers.

“We have a wonderful festival manager, Wendy Were, a young woman who just completed her PhD in English last year. She’s a brilliant scholar and a passionate reader with a background in business — the perfect all-rounder.

“Wendy wrote her PhD on Toni Morrison, a Nobel Prize-winning African American author. She is a wonderful appointment and I’m looking forward to working closely with her,” she said.

The PIAF Writers’ Festival will run from February 7 to 16 next year, with the emphasis on the weekend events.
Enthusiastic engineering honours students are again working on a racing car to compete against other universities at the end of the year.

Last year, UWA's first Motorsports consortium came fourth nationally and seventh internationally in the Formula SAE racing car event.

But the real winners were the students who worked so hard on their project. All of them are now employed and those at the helm last year have positions with automotive companies.

This year’s project manager, Terry Karunaratna, said the team was more diverse this year, with commerce students involved in the project's marketing arm.

“We want the project to be campus-wide this year. We’re talking to students in arts, accounting and perhaps law to see if some of them would like to join us too,” said Terry, one of 55 students working in UWA Motorsports for their final year project. Most are studying mechanical engineering and mechatronics, some are electrical and electronic engineering students.

The team is at a preliminary design stage, considering an initial chassis design that Terry says is shorter, narrower and hopefully lighter than last year’s car.

“The full team will be meeting soon to consider about 30 designs for different components, including suspension, steering and so on,” he said.

As well as the honours students, there are more than 20 volunteers, students in their first few years of study, who are helping out. All of last year’s band of volunteers joined the project formally this year.

Terry says enrolments in materials and mechanical engineering increased after school leavers found out that they could eventually be involved with such a project.

“We’re developing cutting-edge engineering here, testing a product and increasing our skills, not just making a car,” he said.

UWA Motorsports acknowledges support from the Vice-Chancellor, The Chamber of Automotive Industries of WA and the RAC. The team also has many smaller sponsors.

The University will move towards more environmentally acceptable waste disposal next month.

Visy Recycling, the company which managed the recycling at the Sydney Olympics, will take over the UWA contract and co-mingled recycling will be introduced on campus.

This means that, from the beginning of June, all staff will have specially marked boxes in their offices and laboratories, into which they can throw paper and cardboard (including magazines and newspapers), plastic and glass bottles, aluminium and steel cans, juice and milk cartons and even paper from the hand towel dispensers.

The only glass accepted will be what is known in the recycling trade as soda glass, not any other variety used in laboratories.

Gordon Walsh, the University’s environmental services manager, explained that it would not cost the University any more than its current paper and cardboard recycling and that it would not mean any extra work for cleaners.

“There is no extra cost but we will be creating much less landfill, so that will save us money in the long term as well as providing a better solution for the environment,” Mr Walsh said.

He said there should be no confusion over what could and could not be recycled. The boxes provided by Visy (at no cost) will have what can be recycled listed clearly on them.

“But, when in doubt, chuck it out – and I mean in the recycling box,” Mr Walsh said. “Visy will sort everything. There is no danger of a whole load being wasted because of contamination.
Harald Vike, a Norwegian seaman and artist, migrated to Western Australia because of the quality of the light here.

Three of his paintings, a watercolour called *Afternoon Light*, an oil, *In the Reading Room Perth Library*, and a pen, ink and pencil self-portrait, are featured in the Lawrence Wilson Art Gallery’s current exhibition *Committed to the Present*.

The exhibition displays selected works of art from the University’s collection, amassed since 1953, when a dozen Sidney Nolan paintings were purchased with funds from the Tom Collins bequest.

Even earlier than that, Mrs Margaret Moody donated 60 paintings to the University in memory of her sons, Thomas and Henry Ingram Moody, who were both killed in WWll.

The Gallery’s curator of public programs, Janice Baker, said the paintings were donated in 1947, the first major donation of original art to UWA. One of them, Clarice Beckett’s *Evening on the Yarra*, is in the current exhibition.

“We’re very lucky to have Clarice Beckett’s work. As a woman at the turn of the century, her work was not valued but it has recently been rediscovered,” Ms Baker said.

The entire gallery has been devoted to this exhibition. The Westpac Gallery has Western Australian artists on one side (Brian Blanchflower, Guy Grey-Smith, Brian McKay, Robert Juniper), including the controversial winner of the 1954 Perth Art Prize. The other side of that gallery has both Western Australian and Australian artists, featuring a watercolour of the Gledden building by John Oldham that makes Perth look like New York, and other Perth scenes, including Harald Vike’s.

Across the corridor, Brian Blanchflower demonstrates that art is not just a painting in a frame, by having some of his works hung straight onto the wall without backing or framing. There is also a piece from his daughter Cathy Blanchflower, who now lives in New York.

When the Skinner Galleries closed after 18 years in Perth, Rose Skinner’s collection, which includes works from Arthur Boyd, Sidney Nolan and Brian Blanchflower, was donated to the University. Some of these, including the popular *The Potter’s wife horse and trap*, are on show.

In the Holmes à Court Gallery are works by young and developing Western Australian artists that provide a rich contrast to the now classic Sidney Nolans hanging in the main space.

Committed to the present: 50 years of the UWA Art Collection is on display until June 16.

Next week the Gallery joins with the Centre for Indigenous History and the Arts, and the School of Indigenous Studies, to present *Echoes of the Past: Sister Kate’s Home Revisited*.

This exhibition of black and white photographs, archival and contemporary material recognises the children, women and men who were placed in Sister Kate’s Children’s Home during its 40-year history.

A book to commemorate those years will be launched at the opening of the exhibition, which will run from May 26 to June 16.

ABOVE: Portraits and self-portraits from some emerging local artists are hung in the Holmes à Court gallery

CENTRE: Miriam Stannage’s *diptych Eagle (1991)* is a contemporary reminder of our water crisis

BELOW: Arthur Boyd’s *Mother and Children* is a favourite with gallery regulars
A lifetime of music finds a new life

The extraordinary breadth of the musical interests of Verdun Williams has been preserved forever in a new collection at the Callaway Centre.

Verdun Williams was an Australian pianist, composer, conductor and arranger who collected, over his lifetime, an enormous number and variety of musical scores, ranging from classical orchestral sets to light musicals, representing the world's most famous composers and many almost unheard of.

Born in Melbourne, before the advent of ABC orchestras (or even the ABC), or any identifiable Australian musical idiom, Verdun Williams' career paralleled the great growth of music in Australia in the 20th century.

He died in 1997, at the age of 81, and it was through his life-long friendship with Sir Frank Callaway that his collection has come to the Callaway Centre, a resource and research centre in the School of Music, now housed in the Park Avenue building.

The collection, having finally been sorted, catalogued and housed in the centre's archives, was officially launched by the Executive Dean of Arts, Humanities and Social Sciences, Professor Anne Pauwels, early this month.

Verdon Williams’ tastes in music were wide-ranging. His collection is proof of what Callaway Centre co-coordinator, Dr Victoria Rogers, calls his “incredibly curious musical mind”.

“His musical interests were well ahead of his time,” Dr Rogers said. “And the scope and diversity make this such a unique and wonderful collection.”

It was Verdon Williams' wish that his collection would be made available to researchers and students and hired out to performers, for a small fee to cover the costs of administration and upkeep of the 2,000 scores and performing parts.

A lot of the music in the collection is out of print and difficult or impossible to get from original publishers. One of the pieces performed at the launch, Prelude and Jig by Margaret Sutherland, is the only copy that exists in the public domain.

It is expected that the Verdon Williams Memorial Collection will be accessed by professional orchestras in Australia and overseas; by the ABC and BBC for broadcast productions; and for researchers into 19th and early 20th century music, which forms the larger part of the collection.

For a catalogue of works, call Dr Victoria Rogers at the Callaway Centre on 9380 2791.

Prized agriculture students

Winning soil science students Ben Biddulph and Clare Engelke

UWA soil science and plant nutrition students scooped the pool at a recent agricultural and technology forum.

Ben Biddulph and Clare Engelke won first, second and third prizes for their presentations to a Young Professionals in Agriculture forum, run by the Australian Institute of Agricultural Science and Technology.

Undergraduate students throughout WA who have recently completed an honours project are invited to submit a short abstract of their work. Six finalists are then asked to write a 3000-word paper on their honours projects, which are judged on their scientific merit, likely impact and relevance to current work in that field.

The finalists give a 15-minute presentation to the panel of five judges and an audience of AIAST members and industry leaders.

Ben won the first prize of $1000 for the best combination of paper and presentation. Clare won second prize of $500 based on the same merits. She also won the third prize of $250 for the best presentation.

Ben’s honours project was a preliminary analysis of salt-tolerance in some WA wheat and breeding lines; an evaluation of physiological mechanisms which may be important in salt-tolerance. He is now working with the State Government Department of Agriculture on a short term contract as a specialist consultant, assaying stem carbohydrates in wheat and running experiment to determine the viability of seedlings produced by sprouted wheat.

Clare is about to start her PhD in the field of rumen microbiology and genetics. She is working with CSIRO.
Choose your partners for Expo

UWA’s Expo on August 25 will provide every faculty with the opportunity of making a new industry partner.

Each faculty is now identifying and approaching a partner who will set up a display alongside the faculty display at the Expo, and will also help financially with the event.

“It will help visitors to understand the relationships the University has with industry and to see the practical side of University operations,” said Expo organiser Ian Lilburne.

During the day, there will be tram tours of outlying faculties (Medicine and Dentistry, Education, Architecture, Landscape and Visual Arts) but these faculties will present their displays on the main campus, not in their faculty buildings.

A display kit and style guide is being produced for those intending to mount displays. It will include tips on dealing with the public, promoting the University, what to include in the display, and promoting the key themes of Expo.

For information on the Expo, call Prospective Students on extension 2477, and keep reading UWA news for regular updates.

Psycho is what their friends might have called them for volunteering to enter a 24-hour relay, but psychology students were not put off.

Members of the psychology student association, Psychos, formed themselves into a team to run in the Relay for Life at Perry Lakes last month to raise funds for cancer research.

They were one of 120 teams and their team raised $1,500, led by Psycho’s mascot, Bobo.

The team was Bobo (Captain) Megan O’Dea (Vice-Captain), Nic Badcock (Assistant to the Vice-Captain), Serena Brncic, Evelyn “Rhyea” Ong, Adele McGill, Allison Hamann-Swain, Jason Bell, Michelle Chan, Bonnie Croswaihe, Lisa Jacobs, Darisse McCartney, Joanna Jenkins, Neila Bennett and Martyn Churcher.

An all-female team of staff and postgraduate students also entered the relay. Judy Skene, Victoria Burrows, Donella Caspersz, Trish Todd, Jean Chetkovich, Tanya Dalziell, Delys Bird, Jane Long, Kristen Blessing, Philippa Maddern, Anna Hicks, Sue Broomhall and Wendy Were were supported by their partners and children.

They called themselves the Bluestocking Strollers and they specifically wanted to run the relay in support of staff and students affected by cancer.

They raised $1,760 and are planning to do it again next year and raise a lot more.

Attention to architectural detail has helped put the original limestone University buildings on the heritage list.

In Geography and Geology (originally built in 1938 to house Chemistry and Physics), the internal doors have beautiful brass handles featuring the University crest.

Next time you’re in this building, make a point of looking at the doors. It is the sort of high-cost purely decorative feature that is never likely to re-appear.

If you have a secret spot on campus, a favourite feature or a little-known fact to share, please send it to us: lindy.brophy@uwa.edu.au or phone extension 2436, fax 1192.
This is my third year as Chair of the Promotions and Tenure Committee, and during this time I have had the opportunity to serve as a member or formal advisor of promotions committees at four other universities. I have come to appreciate many positive aspects of the UWA procedures for academic staff promotion.

The most notable difference from procedures at many other places is that staff may submit applications at any time during the year. This means that applications are not ranked against each other, but rather they are individually rated against the promotion criteria.

A decision is based on advice from the Head of School, the Executive Dean, and several expert assessors in the applicant’s field, most of whom are external to the University. The routine use at all levels of academic promotion of independent assessors, instead of referees chosen by the applicant, is both unusual and important. It provides a sound basis on which to make decisions on individual applications.

The contribution of Teaching and Learning can be weighted more or less than that of Research and Scholarship. I have been especially pleased to see several outstanding academic colleagues promoted recently on the basis of exceptional performance in Teaching and Learning with a satisfactory Research performance. At Promotions Workshops at the Centre for Staff Development I am asked on nearly every occasion whether promotion on such grounds is in fact possible in practice, and I am glad to mention the successful promotions of these colleagues.

There have been several changes to the promotions procedures over the past two years. The new level E position of Professorial Fellow (Teaching and Learning) has been established that is similar to the position of Professorial Fellow (Research). I am still waiting for our first promotion application to this position.

In cases where an urgent decision on a promotion application is required to enable the University to retain exceptional staff, a Fast Track promotion procedure may be initiated on the advice of the Deputy Vice Chancellor. This simplified procedure closely follows the usual promotions procedure but requires close monitoring and the goodwill of all involved. The external assessors are requested to complete their assessments more quickly than they would normally wish to do so, our administrative officer Elizabeth Hutchinson has to track the process even more assiduously than usual, and the Promotions and Tenure Committee members often must deal with these applications by circulation between the monthly meetings. This is a very resource-intensive process, but has led to several of our colleagues choosing to remain at UWA instead of accepting alternative appointments. I am often asked how this procedure works by colleagues from other universities.

To many staff the preparation of a promotion application is a daunting prospect. Some applications are long and cost applicants enormous amounts of time and energy. One of the next objectives of the Promotions and Tenure Committee is to review the promotion criteria and introduce a simplified application process. This might involve submitting portfolios for Teaching, Research and Service that will be used for other purposes such as Tenure applications and the performance appraisal process.

Universities have sometimes had a reputation for reluctance to promote academic staff, with academics feeling that they needed to change institutions to achieve a deserved promotion. One of the objectives of the UWA procedure for academic staff promotions is to retain excellent staff, and to recognise their value.
Dr Pauline Grierson and Dr Tina Bell, Botany: ‘The root architecture of trees — elements of scale and distribution’ — $5000

Dr Andre Luiten, Physics: ‘An innovative light bottle for atom trapping’ — $19,992

Dr Anthony Bakker, Physiology: ‘The effect of taurine on contractile function, Ca2+ homeostasis and fibre necrosis in normal and dystrophic (mdx) skeletal muscle’ — $17,607

Dr S. Scott, Geography: ‘The gender dimension of land rights in Vietnam: a study of rural livelihood vulnerability through decollectivisation’ — $8525

Dr Ian Dadour, Zoology and Dr Silvana Gaudiieri, Molecular Immunology and Instrumentation: ‘Molecular systematics of the calliphoridae: critical applications in forensic entomology’ — $9000

WA HEALTH PROMOTION FOUNDATION

A/Prof Aleksandar Janca, Psychiatry and Behavioural Science, Ms W. Casey, Aboriginal Programmes, and Mr Ian Perdrisat, Ms Anne Poelina: ‘Development of a culturally applicable approach to Aboriginal mental health problems: from assessment to promotion of mental health’ — $290,547

A/Prof Mark Stevenson (external) and Ms Rina Cercarelli, Public Health: ‘The Western Australian injury risk factor survey’ — $50,000

UWA RESEARCH GRANTS SCHEME


Dr M. R. Newby and A/Prof John Watson, Accounting & Finance: ‘Assessing small and medium enterprise (SME) performance: are rural firms different?’ — $10,254 (2002).

Dr Steven Bellman, Graduate School of Management: ‘Extent of online search for 26 product and service categories’ — $4736 (2002).

Dr Tyrone Fernando, Electrical & Electronic Engineering: ‘Control of one dimensional and multi-dimensional systems-theory and applications’ — $12,000 (2002).


Prof Kevin Durkin and Dr Justine Dandy, Psychology: ‘Ethnic stereotypes among teachers and students in Australian schools: implications for academic achievement’ — $18,422 (2002).

Research Grants & Contracts continued in the next issue of UWA News

FOR SALE

BMW 323i 1985 auto 4-door sedan, blue. Very good condition. Full service history. Registered until September. $9250 ono. Phone Doug 9380 2806.

FOR RENT

PRIVATE RENTAL HOME AVAILABLE (no agent), Ventnor St, Scarborough. Close to beach, 2 bedroom villa, separate lounge and dining, easy care garden, carport, near bus, shops. $145 per week. Contact: mike@physics.uwa.edu.au or ext. 3443.

WEST PERTH, 2 bedroom, fully furnished and equipped apartment in O'wram Street, West Perth. Three minute walk to Kings Park, on free bus service, close to UWA, city, river. Rent negotiable depending on length of lease. For further information please call Cristina on ext. 3161. Available end of July.

HOUSE IN KEWDALE. (very close to Graham Farmer Freeway) available from 28 May to 15 August. Three bedrooms, fully furnished, $140/week. Very close to Carlisle Primary School, Belmont Shopping Centre, Belmont Oasis Swimming and Sports Centre, library and medical facilities. 50 m from Circle Route 99 bustop (to railway station, Curtin University, bus into town), 2 km from Carlisle train station. Several childcare centres also close by. Bicycles available, car available for km fee. Contact Rosemary on ext. 2778.

TWO-BEDROOM furnished character home opposite park on large block. Located in Shenton Park, 5 mins drive to UWA and walking distance to shops, primary school, and high school. Available July to October 2002. Non-smokers only. Pets OK. $280 per week. Contact Paul Abbott at paul@physics.uwa.edu.au.
Monday 20 May

**ASTHMA AND ALLERGY RESEARCH INSTITUTE SEMINAR**
“Asthma in childhood twins”, Nick de Klerk, CHR. 12.30pm, Joske Seminar Room, Medicine, Fourth Floor, G Block, SCGH.

**PLANT BIOLOGY SEMINAR**
“Sucrose synthesis and transport in crop plants”, Robert Furban, CSIRO Plant Industry, Canberra. 4pm, Agriculture Lecture Theatre.

**TUESDAY 21 MAY**

**PUBLIC HEALTH SEMINAR**
“SunSmart West Aussies: a three-year health promotion campaign to prevent skin cancer”, Bethsyl Soanes, Cancer Foundation of WA. Determinants of reproductive health services provision among General Practitioners in Sind-Kistan”, Sonji Hall. 11am, Public Health.

**SOIL SCIENCE AND PLANT NUTRITION SEMINAR**
“Mesoporous kaolin intercalates for cleaning the environment”, Dr. Balbir Singh. 4pm, Agriculture Lecture Theatre.

**MACROMOLECULAR BIOLOGY SEMINAR**
“Insights into ion channels: structural studies of pore-forming protein toxins”, Professor Michael W. Parker, Associate Director and NHMRC Senior Principal Research Fellow, The Biota Structural Biology Laboratory, St. Vincent’s Institute of Medical Research, Melbourne. 1pm, Monograms Lecture Theatre.

**MACROMOLECULAR BIOLOGY SEMINAR**
“The structure of genes and proteins in society”, Professor Michael W. Parker, Associate Director and NHMRC Senior Principal Research Fellow, The Biota Structural Biology Laboratory, St. Vincent’s Institute of Medical Research, Melbourne. 7pm, Geography Lecture Theatre I.

**WEDNESDAY 22 MAY**

**ANATOMY AND HUMAN BIOLOGY SEMINAR**
“Atraumatic inflammation: who are the players and when are they on stage?” A/Prof Paul Menamin. 1pm, Room 1.81, Anatomy and Human Biology Building.

**GEOGRAPHY SEMINAR**
“The islands off Perth: the future is not what it used to be”, Elizabeth Rippey. 1pm, Geography Lecture Theatre I.

**ENVIRONMENTAL DYNAMICS SEMINAR**
“The impact of turbulent mixing on the vertical distribution and biomass of phytoplankton populations”, Kate O’Brien. 4pm, Blakers Lecture Theatre.

**THURSDAY 23 MAY**

**FREE LUNCHTIME CONCERT**
The romantic piano, Mark Coughlan. 1.10pm, Octagon Theatre.

**FRIDAY 24 MAY**

**MICROBIOLOGY SEMINAR**
“Interaction and survival of bacterial pathogens on groundwater and effluent biofilms”, Ms Natasha Banning, CSIRO. 9am, Seminar Room I, First Floor, L Block, QEIMC.

**FRIDAY 31 MAY**

**ASIAN STUDIES SEMINAR**
“Not a case of the shepherd and the flock: a non-Liberal Chinese Governmentality”, Dr Gary Sigley. 1pm, G.25 Seminar Room, Ground Floor, Biota Structural Biology Laboratory.

**CLIMATE SEMINAR**
“Nutritionally beneficial compounds in pulses”, Dr David Harris, Chemistry Centre WA.

**MICROBIOLOGY SEMINAR**
“The immunomodulatory effects of a recombinant MCMV expression cytosine”, Ms Katherine Williams, Microbiology. 9am, Seminar Room I.1, First Floor, L Block, QEIMC.

**ENGLISH, COMMUNICATION AND CULTURAL STUDIES’ WORK-IN-PROGRESS SEMINAR**
“Continuing negotiations: law and literature in the short stories of Louis Auchincloss”, Dr Kieran Dolin. In this paper, Dr Dolin will discuss a short story titled "The Senior Partner’s Ghost", written by Auchincloss who was a popular novelist and Wall Street lawyer. 1pm, English, Communication and Cultural Studies staffroom, G.14, Arts Building.

**ADVANCE NOTICE**

**MONDAY 3 JUNE**

**PLANT BIOLOGY SEMINAR**
“Recurrent disturbance, resilience and depletion in small remnants of native vegetation: a 30-year study of the Gingin Shire cemetery hybrid kangaroo paw community” Steve Hopper, Botanic Gardens and Parks Authority. 4pm, Agriculture Lecture Theatre.

**WEDNESDAY 5 JUNE**

**ANATOMY AND HUMAN BIOLOGY SEMINAR**
“Exhibitionism”, Linda Maule. 1pm, Room 1.81, Anatomy and Human Biology Building.

**GEOGRAPHY SEMINAR**
“The Geology Museum, UWA: more than meets the eye”; Jenny Bevan. 1pm, Geography Lecture Theatre I.

**PERIOD MEDIEVAL AND RENAISSANCE GROUP TALK**
“An analysis of Sofonisba Anguissola’s The Chess Game (1553)”, Ms Sally Quin, Registrar and Curator of Australian Art, LWAG. 7.30pm, Postgraduate Lounge, Hackett Hall.

**MONDAY 10 JUNE**

**ASTHMA AND ALLERGY RESEARCH INSTITUTE SEMINAR**
“Applications of gene therapy for disease and research”, Prof Pirsoaka Rakoczy, LEI. 12.30pm (lunch provided from 12 noon). Joske Seminar Room, Medicine, Fourth Floor, G Block, SCGH.

**WEDNESDAY 12 JUNE**

**THE 2002 KYLE ORATION**
“These are our children”, presented by His Excellency the Right. Reverend Dr. Peter Hollingworth AC OBE, Governor General of the Commonwealth of Australia. 8pm, Winthrop Hall.

**FRIDAY 14 JUNE**

**THE 2002 CALLAWAY LECTURE**
“Culture, creativity and the future of Western Australia”, presented by the Honourable Geoff Gallop MLA Premier of Western Australia. 7pm, Octagon Theatre.
Thinking about your IT skills?

www.onlinelearning.admin.uwa.edu.au
Departments are reminded that all University equipment available for sale must be advertised in the UWA news. Receipts should be PeopleSoft account coded 490 (computing with barcode), 491 (non-computing with barcode) or 493 (items with no barcode). If equipment has an existing barcode please contact extension 3618/2546 for details.

CONDITION refers to the general condition of item (1 = as new; 2 = good; 3 = serviceable; 4 = unserviceable). AGE refers to the nearest year.

Bids should be accepted by Monday 3 June with departments to have first option

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### Redundant Equipment for Sale

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PRICE</th>
<th>AGE</th>
<th>COND</th>
<th>NAME</th>
<th>DEPT</th>
<th>EMAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>WPI MPM-10 Piezo controller for DC 3001 Motorised Micromanipulator; electrode holder and adaptor.</td>
<td>$5k</td>
<td>Unused</td>
<td>1</td>
<td>Peter Meyer</td>
<td>Psychology</td>
<td><a href="mailto:peterm@psy.uwa.edu.au">peterm@psy.uwa.edu.au</a></td>
</tr>
<tr>
<td>WPI DC3001 Motorised Micromanipulator Tilting Base Microscope Stage adaptor</td>
<td>$5k</td>
<td>Unused</td>
<td>1</td>
<td>Peter Meyer</td>
<td>Psychology</td>
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</tr>
<tr>
<td>Olympus BX50 system microscope configured for Brightfield, Nomarski DIC, Phase &amp; fluorescence with trinocular photohead and drawing tube attachment; U-PlanFL objectives, Universal condenser; Darkfield adapter. PM10 35mm camera system (Available Dec '02)</td>
<td>$5k</td>
<td>Unused</td>
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</tr>
<tr>
<td>Olympus UIS Plan 100x Oil Objective</td>
<td>$5k</td>
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<td>Peter Meyer</td>
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<tr>
<td>MD2 microscope digitiser and stage readout heads (Available Dec '02)</td>
<td>Offers old</td>
<td>2</td>
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<td></td>
</tr>
<tr>
<td>Nikon Apophot microscope, brightfield and phase, darkfield condenser, trinocular head &amp; photo system (Available Dec '02)</td>
<td>$4k</td>
<td>Unused</td>
<td>1</td>
<td>Peter Meyer</td>
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</tr>
<tr>
<td>Panasonic digital CCTV colour video camera (WV-CP230/G)</td>
<td>$5k</td>
<td>Unused</td>
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<tr>
<td>Panasonic TC-1451SA television/monitor (Available Dec '02)</td>
<td>$5k</td>
<td>Unused</td>
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<tr>
<td>Oscillating Tissue Slicer EMS OTS-3000-03</td>
<td>$5k</td>
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<td>Bio-Line Thermocube and orbital shaker (Available Dec '02)</td>
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<tr>
<td>Hettich Zentrifugen Universal 16R refrigerated centrifuge (Available Dec '02)</td>
<td>$5k</td>
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**TEACHING AND LEARNING COMMITTEE**

### Teaching and Learning Development Fund — Curriculum Planning and Development Scheme

The Teaching and Learning Committee has selected the following eight projects for support from the Teaching and Learning Development Fund.

The focus for this round of applications was curriculum planning and development in any of the priority areas supported by the Academic Profile or curriculum with an international aspect. The Committee congratulates the following grant recipients:

<table>
<thead>
<tr>
<th>Project Leader/ Collaborator(s)</th>
<th>Faculty</th>
<th>School/ Department</th>
<th>Project Title</th>
<th>Funds Allocated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mrs Brenda Clare</td>
<td>Arts, Humanities and Social Sciences</td>
<td>Social and Cultural Studies (Social Work &amp; Social Policy)</td>
<td>Enhancing Professional Education Through On Site Practice Teaching and Learning</td>
<td>$9200</td>
</tr>
<tr>
<td>Dr John Gordon</td>
<td>Arts, Humanities and Social Sciences</td>
<td>Social and Cultural Studies (Anthropology &amp; Sociology)</td>
<td>The Anthropology of Business — Developing a New Unit: The Culture of Business and the Business of Culture</td>
<td>$13,300</td>
</tr>
<tr>
<td>Dr Samina Yasmeen</td>
<td>Arts, Humanities and Social Sciences</td>
<td>Social and Cultural Studies (Political Science), Arts Multimedia Centre, Mech. Engineering, Humanities (History)</td>
<td>From Conflict to Reconstruction: A Multi-tiered Simulation Exercise</td>
<td>$12,000</td>
</tr>
<tr>
<td>Dr Donella Caspersz</td>
<td>Economics and Commerce</td>
<td>UWA Business School (Organisational and Labour Studies)</td>
<td>Integrating Diversity-Related Team Learning Styles into Unit Curriculum</td>
<td>$13,000</td>
</tr>
<tr>
<td>Dr Tim McGrath</td>
<td>Engineering, Computing and Mathematics</td>
<td>Oil and Gas Engineering, Civil &amp; Resource Engineering</td>
<td>Creation of World-Class Undergraduate Unit in Maintenance Management</td>
<td>$10,000</td>
</tr>
<tr>
<td>Dr Jingbo Wang</td>
<td>Life and Physical Sciences</td>
<td>Physics</td>
<td>Development of a Computational Physics Stream as Part of the Undergraduate Physics Curriculum in UWA</td>
<td>$10,000</td>
</tr>
<tr>
<td>Professor David Wood</td>
<td>Medicine and Dentistry</td>
<td>Surgery and Pathology (Surgery - Orthopaedics)</td>
<td>Development of Online Teaching Materials for Musculoskeletal Disorders 585</td>
<td>$6000</td>
</tr>
<tr>
<td>Mr Bo Nibb's</td>
<td>Natural and Agricultural Sciences/ Central Administration</td>
<td>Animal Biology (Animal Science), CSD</td>
<td>Development and Implementing Outcome-based Learning in Ecosystem Processes 100</td>
<td>$15,000</td>
</tr>
</tbody>
</table>

In order to disseminate the results of these projects, each grant recipient will, after conclusion of the project, provide a short written report for the University community and also participate in the presentation of a seminar organised by the Centre for the Advancement of Teaching and Learning.