Birth can herald potential killer

**Big US grant to study breast cancer**

by Lindy Brophy

Pregnancy, while a time of joy for most expectant mothers, leaves a woman’s body vulnerable, and many cancers are diagnosed during pregnancy or immediately after birth.

Professor Christobel Saunders, Professor of Surgical Oncology in the School of Surgery and Pathology, has won significant funding from a United States cancer research foundation to gain a greater understanding of breast cancers that occur during pregnancy.

She and her team will use WA’s extensive and unique population data for the study, funded by the Susan G Komen foundation, for $US240,000. They also have funding from the WA Clinical Oncology Group.

Professor Saunders said that UWA researchers were currently studying breast cancer from many perspectives and their work was attracting international funding because of its high quality, and because of the availability of detailed population health data from the WA Data Linkage System, jointly managed by the WA Department of Health and UWA’s School of Population Health.

“We have found in a study, funded by the Raine Foundation, that breast cancer associated with a pregnancy is diagnosed in about seven percent of young women, and that four percent of women who have survived breast cancer will go on to get pregnant,” Professor Saunders said.

“However, diagnosis and treatment become more difficult because of the pregnancy, and we need a much better understanding of how pregnancy affects a breast cancer and how a cancer will affect a woman’s pregnancy.

“We have already done a lot of research on gestational breast cancer and are now planning to extend this work to look at, for example, the imaging and pathology of these cancers, and the psychosocial issues encountered by these women. We will also be extending the study to look at all young WA breast cancer patients, which will be both an invaluable comparator group and give us important information on patterns of care.”

The study is a collaborative project involving Dr James Semmens and Angela Ives from the School of Population Health, and Associate Professor Kate White from Edith Cowan University. Professor Saunders says that the good news is that while fertility can be significantly reduced by cancer treatment, young women who have had breast cancer can go on to have successful pregnancies that are cancer-free.
Making changes for babies on campus

The University’s policy of supporting its staff’s work-life balance has a new practical focus.

For staff and students whose family responsibilities include the care of babies, several new baby changing facilities are being installed on campus over the next few months.

Gaye McMath, Executive Director, Finance and Resources, said the installation of the changing tables in unisex toilets had been an agreed action at UWA for a few years. They had been built in at the Oral Health Centre of WA (OHCWA), and are planned for the new University Club and the Molecular Sciences building.

Ms McMath said that if creating the best work-life balance for some staff and students meant bringing a child onto campus, then it was the responsibility of the University to assist them.

The University already has change tables at the medical/dental library, OHCWA, the Child Study Centre and parenting facilities at the Guild and the UWA Medical Centre.

The office of Facilities Management has committed to installing an additional five facilities this year and to guarantee that all new constructions provide baby change tables in unisex toilets. OFM has identified a need in the following areas, where facilities are soon to be installed: Social Sciences building, Arts building, Guild Village, Centre for Water Research and the School of Architecture, Landscape and Visual Arts.

OFM’s Gerald Stack said the tables were prefabricated and folded up against a wall when not in use. All tables have straps to prevent wriggling babies from falling off. “All the new change tables will be on the ground floor, some of them in existing disabled toilets, because they have more room, and some in female toilets,” he said.

Books for kids milestone

The University branch of Save the Children Fund (SCF) celebrated the 40th anniversary of their book sale with their biggest profit ever.

The proceeds of the sale, in the Undercroft last month, were $127,000, topping last year’s total by just $1,000. They also celebrated with a cake, cut by the Vice-Chancellor the day before the sale opened to thousands of Perth booklovers.

The funds from the sale will be used to support SCF’s projects overseas as well as a range of health and welfare projects for children in Perth city, the hills, the wheatbelt and Carnarvon.

On behalf of the branch, Rosalind Lindsay thanked the sale’s supporters for both their patronage and donations.
Australian Idol hopefuls who were disappointed at the local auditions can try again at EXPO.

The Arts Faculty’s Multimedia Centre is inviting visitors to the annual open day to perform in Australian Idol and go home with their talent captured on a CD.

Others may be more interested in a display by the Business School on the economics of the marijuana market.

Musicians will be intrigued by an optical pickup for a guitar, being demonstrated by the School of Electrical and Electronic and Computer Engineering.

Or you can try out the eddy current can crusher at Physics, have a personality reading at Psychology or get a nano-view of your household in Microscopy.

Dozens of staff have been working for the past few months to get EXPO ready for Sunday August 29, and all staff are encouraged to help out over the next three weeks and to come along on the day.

The popular information sessions for prospective students, both undergraduate and graduate, will be run, and repeated, during the day. Other favourites from previous EXPOs will be the helicopter rides from James Oval; free tram rides around the campus; the Chemistry magic show (usually standing room only); the opportunity to climb up Winthrop Tower (using the stairs inside, rather than ropes on the outside!); learn-to-suture sessions at Anatomy for budding surgeons; wine to taste and animals to handle, courtesy of Natural and Agricultural Sciences; and Sport and Recreation’s climbing wall.

A full program for EXPO will be published in The West Australian on Saturday August 21, so make sure your family, friends and neighbours get their copies and encourage them to come along and see what really happens on campus.

For more information visit the EXPO website: www.expo.uwa.edu.au
As one of the world’s great statisticians, Professor Adrian Baddeley can probably work out the probability of winning the Pitman Medal.

The Medal is the highest honour that can be bestowed by the Statistical Society of Australia (SSA), and it was presented to Professor Baddeley recently. It is awarded for achieving high distinction in statistics, which enhances the international standing of Australia in this discipline.

The following extract is from the SSA assessors’ report: “Adrian Baddeley is a world leader in the areas of mathematical stereology, stochastic geometry, and spatial statistics. His papers have invariably been seminal, ranging from highly useful and innovative creations of new sampling techniques in stereology, through to novel statistical diagnostics for point patterns, and employing both profound mathematics and also implementation as practical computer methods.”

Associate Professor Tony Pakes, Head of the School of Mathematics and Statistics, congratulated Professor Baddeley on “this wonderful recognition of his scientific work.”
They couldn’t be more different: IT with its emphasis on precise systems and its dependence on technology; and first aid, in which you are dealing with critical situations, injuries and sometimes human lives.

Damian Davini is an IT systems manager, currently working on a project in Financial Services. Since the age of eleven he has also been a committed volunteer ‘first aider’ with St John Ambulance. And last month he became a national champion when his team of three won the annual National First Aid Competition.

“I’ve represented WA numerous times,” says Damian, “but this is the first time I’ve won a national award.”

Alice Springs was the venue for the finals, which brought together winning teams from around Australia. Damian’s team of volunteers (they trained twice weekly for the event) competed against nurses and paramedics for whom first aid is part of the job rather than a voluntary activity.

The finals took the form of a mock scenario in which the ‘first aiders’ had to put their training into practice in a critical situation. In this case, it was a parachute accident: a parachutist had landed in a tree, dislodging branches that had fallen on bystanders, causing multiple casualties.

The event was held on a Saturday morning in the Civic Centre gardens in Alice Springs’ town centre and the competition was watched by a large, fascinated audience. The accident scene is always staged very realistically, according to Damian. “We arrive on the scene and in a set time we have to control the situation, treat the casualties, and arrange their transport to hospital or discharge them. Marks are given for every aspect of the event: how well we treat the casualties, how quickly and how effectively.”

Competing in such realistic situations is very stressful, says Damian, “because you want to do well, you put high expectations on yourself, and you are dealing with situations you don’t normally meet at a sporting event or concert.”

He became interested in first aid through his mother who was a member of St John. He joined up while still at primary school and has been working for the organisation ever since. As Divisional Manager of St John’s Mundaring branch, which involves weekly training and public first aid duties, he especially enjoys being on duty at public events.

“You get to go to big sporting occasions and concerts — I was lucky enough to go the Sydney Olympics in 2000. It’s a big selling point when we recruit new members.”

Damian’s Team Manager Gabrielle West is delighted with the team’s success.

“I’m extremely proud of the entire team, especially as I’ve seen all the training they put in. It’s nice to see that their hard work paid off,” she said.

While winning national competitions is exciting, what gives Damian enduring satisfaction are the more routine aspects of his St John activities, which add up to a commitment of about 100 hours a year.

“Keeping up with your training and doing public first aid duties is satisfying because you are able to help people and know that you are making a difference to them.”
Preserving the ancient history of the Middle East

“The Middle East is a treasure trove waiting to be discovered and explored”
David Kennedy has spent more time flying over ancient ruins in Jordan than browsing the aisles of his local supermarket.

And, as it's infinitely more exciting than perusing groceries on shelves, Professor Kennedy is sharing his experiences of aerial archaeology with the community — through two books, a public lecture, a UWA Extension course, and a guided tour of Roman Jordan.

The Professor of Ancient History and Roman Archaeology has been regularly visiting the Middle East since 1969, working in Jordan since 1976, and flying over Jordan every year since 1997, with the support of the Jordanian royal family.

Together with Dr Robert Bewley (co-author of one of his books), Head of Survey for English Heritage, and Francesca Radcliffe, a freelance aerial archaeologist, Professor Kennedy has taken about 10,000 aerial photographs in these nine seasons.

“It is a major and vital task to record the archaeology before it is swept aside by rapid development, and to monitor sites under threat,” Professor Kennedy said. “A classic example is the town of Ma'an, famous from the battles of the Arab Revolt of WWI. The traces are still visible, all around, of the Turkish trenches, but they are starting to be filled in, after 85 years of preservation.

“Nearby, in 1998, we photographed a superb caravanserai, of, perhaps, the eighth century AD, about 40 metres square. In 2000, it had had all the internal rooms bulldozed away. By 2003, it was bulldozed entirely.”

Roman ruins are Professor Kennedy’s specialty. He has led two guided tours of Roman Britain and is leading a tour of Roman Jordan next year. He has just spent his study leave tracing more Roman ruins across the deserts of Jordan.

“Jordan is terribly underexposed, compared with the ruins in western Europe,” he said. “The Middle East is a treasure trove waiting to be discovered and explored. There are only about 15 archaeologists working on the Roman period in Jordan, while there are up to 60 in Britain just working on Hadrian’s Wall.”

He said that, despite the royal family’s support of his aerial archaeology, there were too few safeguards for preserving important sites. “Each year, when I go back, I can see sites that I photographed have gone, been bulldozed to make way for roads and development.”

Professor Kennedy said he always felt safe in Jordan. “The Middle East has a bad reputation. I feel safer in Jordan at night than I do here or in Britain. The people are so hospitable that, sometimes, it’s hard to get your work done!”

His new book (with Bob Bewley), Ancient Jordan from the Air, is a cross between an academic publication and coffee table book. While there are no footnotes, its 60,000 words of text make it more than just a book to browse casually, but its 200 photographs should make it more popular than an academic tome. “Certainly the print run of 3,000 copies implies we expect four or five times the sales figures an academic book normally gets in my field,” he said.

The second edition of his earlier book The Roman Army in Jordan, has also recently been published. The first edition sold out in a year. Both books are published by the Council for British Research in the Levant/British Academy.

On Wednesday August 18, Professor Kennedy is delivering a public lecture, Ancient Jordan from the Air, illustrated with many of his thousands of photographs. He hopes both the lecture and the book will inspire people to join his guided tour of Jordan in late April, early May next year. The tour will include two weeks in Jordan, including the ‘rose-red’ city of Petra, and a week in Syria, with a visit to Palmyra, and a possible side trip to Baalbek in the Lebanon.

Overlapping with the public lecture, Professor Kennedy will present a course for UWA Extension beginning on Thursday August 5 on Petra, the Nabataeans and the Roman Empire, both on the UWA campus and at venue in Kalamunda.

A busy year lies ahead. In September he is off to The Institute for Advanced Study in Princeton for three months; he has just been elected to a Cotton Fellowship for 2004/5 which will provide some support for his fieldwork in Jordan in early 2005 and he expects to lead the tour of Jordan and Syria soon after.

Information about the tour of Jordan can be found at:  
When Margrit Walmsley first started work at UWA in 1969, she was thrilled to have her first electric typewriter.

“I used to type 99 words a minute. I know, because, in those days, secretaries were paid an allowance in accordance with their typing speed. Every year, our typewriters would be taken to Mount Lawley tech, and we would have to go there on a Saturday morning and do a test,” she said.

Margrit, administrative assistant in Classics and Ancient History, is retiring on August 20, just three weeks short of 35 years at UWA.

She has a very good reason to be leaving just before reaching the milestone. Margrit is taking her husband, daughter, son-in-law and two granddaughters to India for celebrations marking her old school’s 150th anniversary.

“I was in the centenary class at Woodstock, which is now called The International School,” she said. “My mother was English and my father was Swiss, but I was born in Calcutta and boarded at Woodstock for all of my school life. My father was working for a Swiss company in India, but in those days, all the expats sent their children to school in the foothills of the Himalayas, because it was cooler than in the cities down south.

“Woodstock was in one of the hill stations and most of the other students were American. There will be about 65 of us, from our class, including the families we’re bringing with us. I haven’t been back to India since I married and came to Perth in 1962 – and I’m so excited,” she said.

Margret’s husband Michael worked for airline companies. He was not, as many people at UWA assumed, a professor of classics, Alan Walmsley. “Because we shared the same surname and worked in the same department, it was just assumed. One day, I signed a pay authority for him and Human Resources questioned it, because they thought I was his wife and it wasn’t appropriate!”

After finishing school in India 50 years ago, Margrit worked in Switzerland for three years, where she learnt to speak the Swiss dialect of German. “When I came to UWA, I started work in the Italian department, then moved to German, where I stayed for 25 years. I could understand everything everybody said, but couldn’t speak German very well myself. I have what’s called a silent vocabulary.”

Dr Judith Maitland, Discipline Chair in Classics and Ancient history, adds: “Margrit is an extraordinary creature. She is immensely kind, very smart, very mischievous, and has a warmth of personality that lights up her office. In addition, her networking skills would be the envy of any Vice-Chancellor.

“How on earth we will manage our communications in the future is beyond me. We, that is staff, students, visitors to the discipline groups, their families, friends and pets, not to mention any other waifs and strays that may find their way into her ambit, will miss her very much.”
Three women artists, Portia Bennett, Elise Blumann and Iris Francis, take the spotlight at the Lawrence Wilson Art Gallery in a new exhibition, Approaches to Modernism, focusing on artworks produced between the 1930s and 1950s.

According to exhibition curator Dr Sally Quin, Modernism describes the flurry of new concepts that emerged after the First World War, concepts like bolshevism, Freudian psychology, the car, the aeroplane, movies and the ‘new woman’.

Why these three artists? “The idea was to look at different approaches to Modernism. These three represent very different ways and they were also very worthy of sustained consideration. They were important and each had something to say about Perth,” said Dr Quin.

Visitors to the gallery will find many nostalgic images in the work of Portia Bennett: views of Barrack Street in 1939, the old Adelphi Hotel, the Cloisters, Howard Street and St Georges Terrace. Bennett, who trained in Sydney, came to Perth in 1932 and held her first exhibition at Newspaper House. She would have preferred to be an architect, and her fascination with the line and detail of buildings is apparent at a time when landscape was still the main preoccupation of many artists. Portia Bennett’s Perth is sunny and unhurried, a place in which buildings rather than people are the focus of interest.

German-born Elise Blumann studied at the Berlin Academy of Arts where she became familiar with the works of Marc Chagall, Paul Klee and Wassily Kandinsky. When she came to Perth with her husband and two children in 1938, her European influences became interwoven with her Australian experiences. Like so many artists, she was fascinated by the Australian light and the unique forms of our plants, particularly melaleucas, banksias, zamia palms and grass trees. In contrast with Portia Bennett, Blumann saw her art as “the sensuous awareness of beauty and harmony”.

“Generally, the land is presented as untamed, the strangeness of nature being accentuated and not subdued. When humans are present in the land, as nude figures dancing or surfers on a wave, their relationship to nature is joyous and optimistic,” said Dr Quin.

The only artist in the trio who trained solely in Perth, Iris Francis worked as a commercial artist and taught art at Perth Technical College. Painting in oils and water colours, she was also a printmaker and ceramicist and employed a variety of styles. While her works from the Thirties present quiet, intimate moments in interiors, Francis was active during the war. She translated aerial maps, taught, did volunteer work and entertained troops, and her work reflects her contribution in scenes representing hospital and Red Cross experiences. Sadly, she died during the planning of this exhibition.

The works on view, many of which have not been displayed before, come from public and private collections, including the Art Gallery of WA, the Holmes à Court collection and UWA’s art collection.

Approaches to Modernism continues until August 29.
Big grants for child health research

Two major grants totaling $10 million from the National Health and Medical Research Council (NHMRC) will enable UWA to forge ahead with research into child health problems, and to establish one of the world’s biggest facilities for epidemiological and genetic research.

The five-year grants were announced at UWA by Federal Health Minister Tony Abbott as part of a $115 million national grant round.

Despite Australia’s high standard of living, health and developmental problems are on the increase in children and young people, problems including low birth weight, behavioural and mental health problems, autism, obesity and — in indigenous children — infections.

Professor Fiona Stanley, Director of the Telethon Institute for Child Health Research (ICHR), will head an ongoing $7.7 million study to develop preventive measures through a better understanding of the complex pathways that lead to these problems.

The research will bring together a multi-disciplinary team of researchers from UWA, Curtin University and ICHR, including Professor Lyle Palmer, UWA’s foundation chair in Genetic Epidemiology.

“The project will develop new ways of measuring and analysing the complex and interacting factors that determine child health,” said Professor Stanley. “Its focus is on both the most common and the most serious problems affecting children, many of which have long term consequences in terms of adult health.”

The program pursues five interlocking themes: social, economic and psychological determinants of health; developmental disorders; growth and nutrition; infection, and Aboriginal health.

Western Australia is fortunate to be one of only three sites in the world with comprehensive health data on the whole of its population of children and their families. The research team will harness this data to gain greater insight into how children develop, which will assist the development of strategies to reverse the current trends.

A second NHMRC grant of $1.9 million (brought to $2.9m by a matching contribution from the University) will fund a new national facility for population-based medical research at UWA. It will be one of the largest of its kind in the world, and will significantly boost Australia’s national research capacity.

BELOW: Professor Lyle Palmer and Professor Fiona Stanley discuss details of the grant with Federal Health Minister Tony Abbott
Australia has the third highest incidence of asthma in the world after the UK and New Zealand – one very good reason why research in this field has a high priority in this country.

A recent study by UWA researchers has brought science a step closer to understanding the causes of this debilitating disease and developing more effective treatments.

The new findings, from a genetics study at UWA’s Centre for Asthma, Allergy and Respiratory Research (CAARR), were considered so significant they were reported in the May issue of the highly respected international Journal of Allergy and Clinical Immunology.

The researchers, Dr Mary-Anne Kedda, Jing Shi, Stephanie Phelps and Kirrily O’Hara, headed by Centre Director Associate Professor Philip Thompson, looked at a particular gene — leukotriene C4 synthase — to find out more about its role in the disease. This gene has properties that cause inflammation, and because asthma sufferers have inflamed lungs, the team wanted to determine whether the gene was involved in the condition.

To conduct the study, the Centre called for volunteers throughout WA to donate DNA samples. The research team needed both asthmatics and non-asthmatics and they were delighted with the response, which gave them access to DNA samples from more than 1,000 West Australians.

The research found that this gene could have a weak effect on asthma, but that other genes also contributed to the disease. The findings were different from those of previous studies, and will help in developing more effective drug treatments for asthma.

Professor Thompson hailed the results as very encouraging. “Asthma is a serious illness and given its prevalence in Australians, it is vital that we study the disease here where we can work with a large population of affected individuals,” he said.

“The research this team of young scientists has conducted is of world class and worthy of recognition by the wider community.”

As the research team is continuing its efforts to identify the genes responsible for asthma, they are still keen to hear from people willing to donate a DNA sample or to make a financial contribution to this vital research.

If you would like to help, call 9346 3198 for more information.

This is located in Herstmonceaux Castle, a 15th century manor restored last century, located just 100km south of London. The Study Centre offers courses which take advantage of the castle’s location, principally in arts, business and business law, to Canadian and international students.

Staff are largely sessional and positions are advertised in October each year. Faculty staff recruited abroad receive free accommodation and meals on site (family accommodation available), a salary of £2,000 per course plus up to £500 per course depending on the quantity and integration of field study, and up to $1,500 Canadian per term for air travel from normal domicile. Commitments can be tailored to allow time for research as London and its resources are within easy reach.

For further information see www.queensu.ca/isc/ or contact Dr Bruce Mackintosh at the International Centre (6488 1853).
This year marks the tenth anniversary of the establishment of the Leadership Development for Women (LDW) program at this university.

During this period LDW has established the benchmark nationally and internationally for in-house women’s leadership programs in higher education.

It is the most comprehensive and long-standing cohort program nationally, embracing leadership and career development, mentoring and peer learning. So far 330 women have participated in 12 programs (cohorts) and the 13th program has just begun. A heavy demand for places means that often there are more than twice as many applicants as places.

National recognition and influence of the LDW program is demonstrated through the successful practitioners’ group established for coordinators of such programs on the initiative of the LDW Coordinator Jen de Vries. This group meets every two years. Internationally the program is highly regarded. For example, I recall the strong interest shown in our program’s structure and achievements by a senior staff member, Professor Heisook Lee, of Ewha University in Seoul, Korea. Ewha University was the first educational institution in Korea to be granted the status of a university. All of its students are women, but it had no similar staff leadership program.

Let me relate some of the striking measurable indicators of the program’s success.

- LDW participants, from both the academic and general staff, are almost three times more successful in gaining promotion than men, and than women who have not participated in the program.
- Within most staff groupings, retention rates have been at least 10% higher for LDW participants.
- Moreover these statistics have remained consistent over the years of the program.

The LDW program has made a marked impact on university culture. Indeed, the University of Western Australia Press has just published the book *Ivory Basement Leadership: Power and Invisibility in the Changing University* describing this culture change written by Dr Joan Eveline of the UWA Business School with the assistance of several other members of the LDW Planning Group.

The LDW program has created awareness among both men and women, at all levels, of the need to create a more inclusive and welcoming workplace for women. In addition there is a growing understanding and recognition of different styles of leadership, leadership that can be exercised at all levels within the university.

Participation and support from the wider university community has been high, especially through the mentor component of the program, with 168 mentors contributing, often more than once. Comments from both mentors and mentees typically refer to mutual learning and sharing, and to the benefits of the mentor relationship running across different areas of the university.

LDW has brought together women from diverse backgrounds, from all staff categories and levels, and from all parts of the campus. In fact one of the recent changes was to open up the program to women staff at all levels, and this resulted in an unprecedented increase in demand for places in the program.

Through participation in the program friendships and networks have formed. Participants speak of the program as a “life-affirming experience”, giving them confidence to pursue things that they may never have considered doing, or that they would have found too daunting. Women sometimes struggling in their own workplaces have worked out how they can make their contribution at UWA; they found that the positive LDW experience helped “improve [their] sense of place at UWA”. Working together, all involved in the LDW program have created a climate of support and encouragement for women that now stretches across the campus, and enables women to “capitalise on their talents”.

Please join with me in celebrating the tenth anniversary year of this exceptional women’s leadership program.

Cheryl Praeger is Professor of Mathematics. She joined the Planning Group for LDW in 1996 when Professor Lyn Abbott stepped down from her pivotal role in establishing the Program. She has been Chair of the Planning Group since 2000.
AUSTRALIAN RESEARCH COUNCIL LINKAGE/FIRE AND EMERGENCY SERVICES AUSTRALIA (FESA)

AUSTRALIAN RESEARCH COUNCIL VIA MURDOCH

CANCER COUNCIL OF WA

CSIRO
Dr Johanna Pluske, A/Prof Michael Burton, Agricultural and Resource Economics, Natural and Agricultural Sciences. ‘Deossilisation in Western Australian Rural Towns: an Economic Perspective’—$82,320 (2004–06)

DEPARTMENT OF FOREIGN AFFAIRS AND TRADE: ACIAR
Prof Craig Atkins

FLINDERS UNIVERSITY EXTERNAL AUSTRALIAN RESEARCH COUNCIL LINKAGE/STUDY PROJECTS
Dr Martin Barbetti, Plant Biology. ‘Brassica Improvement in China, India and Australia’—$435,518 (2004–08)

GARNETT PASSE AND RODNEY WILLIAMS MEMORIAL FOUNDATION
Dr Diane Arnold-Reed

JUVENILE DIABETES FOUNDATION
Miss Vanessa Bussau, Human Movement and Exercise Science. JDRF Travel Grant Application—$32000 (2004)

MEAT AND LIVESTOCK AUSTRALIA (MLA)
Prof Graeme Martin, Animal Biology. ‘Lambmax Western Australia MS.022’—$130,914 (2004)

MR KEDDLE RESEARCH COU
Dr K Reeder, Centre for Plant Based Management of Dryland Salinity. ‘PAST001-Perennial Grass Improvement for Low-Medium Rainfall Recharge Environments’—$2,110,000 (2004–08)

MUSCULAR DYSTROPHY ASSOCIATION OF AMERICA
Dr Stephen Wilton, Dr Susan Fletcher, Centre for Neuromuscular and Neurological Disorders. ‘Reducing the Severity of DMD by Redirected Pre-mRNA Splicing’—$462,112 (2004–06)

NANYANG TECHNOLOGICAL UNIVERSITY
Dr Jason Antenucci, Dr Matthew Hipsey, Water Research. ‘Water Quality Monitoring, Modelling and Management for a Catchment/Reservoir System’—$40,000 (2004–06)

NEUROTRAUMA RESEARCH PROGRAM (NRP)
Dr Qi Cui, Prof Alan Harvey, Anatomy and Human Biology. ‘Effect of Genetic Manipulation on the Regrowth and Re-innervation of Injured Adult Central Nervous System Axons into Central Targets Sites’—$53,000 (2004)

Dr Jennifer Rodger, Prof Lyn Beazley, Ms Lois Balmer, A/Prof Sarah Dunlop, UWA Centre for Medical Research, Animal Biology. ‘Central Nerve Repair: Signals to Form Functional Connections’—$59,237 (2004)

Dr Giles Plant, Prof Alan Harvey, Dr Marc Ruitenberg, Anatomy and Human Biology, UWA Centre for Medical Research. ‘Gene Therapy and Spinal Cord Contusive Injury’—$80,000 (2004)

Dr Samantha Busfield, Dr Giles Plant, Dr Marc Ruitenberg, UWA Centre for Medical Research, Anatomy and Human Biology. ‘Analysis of Proteins Secreted by OEG: A Comparison Study with Schwann Cells’—$32,000 (2004)

A/Prof Sarah Dunlop, Prof Lyn Beazley, Dr Jennifer Rodger, Dr Giles Plant, Dr Marc Ruitenberg, Animal Biology, UWA Centre for Medical Research, Anatomy and Human Biology. ‘Training-induced Recovery of Function after Neurotrauma’—$55,000 (2004)

Ms Carolyn King, Prof Lyn Beazley, A/Prof Sarah Dunlop, Animal Biology. ‘Metallothionein IIα in Regeneration of the Visual System’—$59,000 (2004)

NHMRC
Dr Stephen Stick, Dr Darryl Knight, Dr M A Kedda, Paediatrics and Child Health, Medicine and Pharmacology. ‘Developmental and Cellular Mechanisms Involved in the Pathological Changes to the Epithelium in Asthma’—$229,750 (2004–06)

A/Prof Gary Hulse, Mr Mahesh Bulsara, Dr Diane Arnold-Reed, Psychiatric and Clinical Neurosciences, Population Health. ‘A Randomised Double Blind Placebo Controlled Clinical Trial of Naltrexone Implants for the Treatment of Heroin Addiction’—$401,363 (2004–05)

NHMRC EQUIPMENT GRANTS
Dr Giles Plant, A/Prof Sarah Dunlop, Dr Marc Ruitenberg, Prof Alan Harvey, Anatomy and Human Biology, Animal Biology, UWA Centre for Medical Research. ‘Gene Therapy Centre Equipment Application’—$54,238 (2004)
Monday 9 August
ASTHMA AND ALLERGY RESEARCH INSTITUTE–2004 MEDICAL RESEARCH SEMINAR SERIES
‘Monitoring Receptor Demerisation and trafficking’, Associate Professor Karin Eidne, Western Australian Institute of Medical Research. Lunch provided from 12pm. 12.30pm, Joske Seminar Room, Fourth Floor, G Block, SCGH.

Tuesday 10 August
SCHOOL OF ANATOMY AND HUMAN BIOLOGY SEMINAR SERIES
‘Osseointegration and its uses in surgical reconstruction’, Associate Professor Raymond Williamson, Head of the Oral and Maxillofacial Surgery Unit at Royal Perth Hospital and the Oral Health Centre of Western Australia, School of Anatomy and Human Biology. 1pm, Room I.81, School of Anatomy and Human Biology.

Wednesday 11 August
FRIENDS OF THE LIBRARY TALK
‘This is our amazing heritage’, Marion Blackwell, Environmental Scientist and Landscape Designer. Marion Blackwell will show photographs and talk about Australia as she knows it, illustrating the amazing heritage we have of landscape, vegetation and flora - with, of course, a slight bias towards the assets of this often forgotten western one-third of the continent. 5.30pm, Library Training Room, Ground Floor, Reid Library.

Friday 13 August
SCHOOL OF BIOMEDICAL AND CHEMICAL SCIENCES, MICROBIOLOGY SEMINAR
‘Vaccine development for intestinal spirochaetes’, Professor David Hampson, Veterinary and Biomedical Science, Murdoch University. 9am, Seminar Room I.1, First Floor, L Block, QEII Medical Centre. ‘Computer-Aided Design of Novel Anti-Diabetic Agents: Modelling the Insulin/Receptor Complex’, Associate Professor Helmerhorst is Director of Endocrine Mimetics and Associate Director of the Western Australian Biomedical Research Institute (WABRI), a Centre of Excellence funded by Curtin and Murdoch Universities, and the Western Australian Government. 1pm, Simmonds Lecture Theatre.

Tuesday 17 August
SCHOOL OF PSYCHOLOGY LECTURE
‘The cost of clinical assessment: Aphasia testing undressed’, Kathryn Hird, Curtin University. 11am, Room 2.33, Psychology North Block.

SCHOOL OF HUMANITIES HISTORY DISCIPLINE GROUP SEMINARS

Writing Catholicism for Oxford University Press’, Professor Gerald O’Collins SJ, Gregorian University, Rome. 4.30pm, Room I.1.3 (First Floor Tearoom), Arts Building.

Wednesday 18 August–Thursday 19 August
CLIMA SPECIAL SEMINAR
‘Glycine collection and its molecular systematics and polyploid evolution’ and ‘Core collection and sampling of plant genetic resources’, Dr Tony Brown, CSIRO. 4pm CLIMA Seminar Room.

Friday 20 August
SCHOOL OF BIOMEDICAL AND CHEMICAL SCIENCES, MICROBIOLOGY SEMINAR
‘Molecular mechanism of the response to hypo-osmotic shock in bacteria’, Associate Professor Boris Martinac, School of Medicine and Pharmacology, 9am, Seminar Room I.1, First Floor, L Block, QEII Medical Centre.

LAWRENCE WILSON ART GALLERY PUBLIC PROGRAM
‘Keeping Faith: Western Australian Writers of the 1930s’, Dr Vernoca Brady, Honorary Senior Research Fellow, Department of English. A free guided tour of the Approaches to Modernism exhibition will be held at 12pm prior to the talk. 1pm, Lawrence Wilson Art Gallery.

CLIMA SEMINAR
‘Use of pasture legume compounds in medicine’, Dr Peter Leedman, UWA; ‘Investigation into legumes with pharmaceutical and aquaculture potential’, Dr Shao Fang Wang, CCWA. 4pm, CLIMA Seminar Room.

UPCOMING EVENTS
Monday 23 August
ASTHMA AND ALLERGY RESEARCH INSTITUTE–2004 MEDICAL RESEARCH SEMINAR SERIES
‘Health effects of natural dust: the role of trace elements and compounds’, Professor Phil Weinstein and Dr Angus Cook, School of Population Health. Lunch provided from 12pm. 12.30pm, Joske Seminar Room, Fourth Floor, G Block, SCGH.

Tuesday 24 August
SCHOOL OF ANATOMY AND HUMAN BIOLOGY SEMINAR SERIES
‘The fate of antigens after injection into the anterior chamber of the eye’, Dr Serge Camelo, Research Fellow, School of Anatomy and Human Biology. 1pm, Room I.81, School of Anatomy and Human Biology.

Sunday 29 August

UWA EXPO 2004
This exciting event combines informative course information sessions with hands-on displays, music, community events and campus tours. Visitors will have opportunity to chat to UWA staff and students, view exhibits and demonstrations, attend talks on courses, enjoy concerts, grab a bite to eat, stroll through the beautiful UWA grounds or see them by tram or from a helicopter. 9am to 4pm, UWA Crawley campus.

ESSAY COMPETITION
offers two-week trip to Britain
Australian and British international co-operation is the focus of a new essay competition launched today, which offers younger Australians the chance to win a two-week expenses paid visit to the United Kingdom.

Our Shared Future: the UK-Australia Essay Competition is open to Australians aged between 18 and 30. Applicants must submit a 2,000 to 2,500 word essay on one of the following themes:

■ The UK and Australia co-operating internationally to achieve an international system based on the rule of law, which is better able to resolve disputes and prevent conflicts
■ The UK and Australia co-operating internationally to achieve an open and expanding global economy
■ The UK and Australia co-operating internationally to achieve sustainable development, underpinned by democracy, good governance and human rights

All entries must be submitted online by 28 August 2004 through the Our Shared Future competition logo at http://bhc.britaus.net/osf. Full competition details, including terms and conditions, are available at the site.

The competition is offered by the British High Commission, with the support of the British Council Australia. The competition will further promote the excellent relationship between Australia and the United Kingdom, and builds on the success of the 2003 Essay competition.

The writer of the winning essay will receive a first prize of a return airfare to the UK, two weeks accommodation and some expenses.

Four shortlisted entrants will be flown to Canberra for an award ceremony on Thursday 28 October 2004 at which the winning essay will be announced. It is a condition of entry that applicants agree to attend the ceremony if shortlisted.

MEDIA CONTACT: Phone 02 6270 6658 or 02 6270 6660
POST: British High Commission, Commonwealth Avenue, Yarralumla, ACT 2600 EMAIL: Information.Section@uk.emb.gov.au WEB: http://www.britaus.net

Our Shared Future: the UK-Australia Essay Competition
http://bhc.britaus.net/osf

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email: Information.Section@uk.emb.gov.au
web: http://www.britaus.net
PEARSON EDUCATION AUSTRALIA is now accepting nominations — to be received no later than October 29, 2004 — for the 2005 Pearson Education and APS Early Career Teaching Award. Nominees must be lecturers or senior lecturers whose primary activity is teaching in psychology disciplines in undergraduate and/or postgraduate university courses. They must also be members of the APS.

Matilda Award
Applications for this award recognising cultural excellence are now open. Convocation, the UWA Graduates Association, in conjunction with the UWA Student Guild, makes an annual presentation the Matilda Award recognising excellence and outstanding achievement in cultural pursuits such as music, public speaking, dance, visual arts and drama. Individuals or groups can be nominated for the award. Nominations close on 17 September. Contact the Student Guild Centre for an application.

Symphony of Colour
Spiritual Art for the New Millennium Promoting World Harmony
A new exhibition has opened in the halls of the Graduate School of Education, second floor, on the corner of Hampden Road and Stirling Highway. Promoting world harmony and friendship, the spiritual art is called Jharna-Kala or Fountain-Art. With titles such as ‘Self-Transcendence’, ‘Dream’ and ‘Happiness’, the art aims to inspire and uplift the viewer. None of the art is for sale and the exhibition is open to the public free of charge from 9 a.m. to 4 p.m. weekdays until 31 August. For further enquiries phone 9242 7304.

Please email Campus Diary entries to enquiries@publishing.uwa.edu.au by 11 August for 23 August issue

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NHMRC: EQUIPMENT GRANTS

**Prof Paul Mcmenamin, Medicine and Paediatrics and Child Health:** ‘PSBD Sterilizer (NHMRC Equipment Grant)—$37,509 (2004)

**Prof Wayne Thomas, Prof Peter Sly, Paediatrics and Child Health:** ‘Upgrade of Live Cell Imaging Suite’—$31,250 (2004)

**Dr Daniel Green, A/Prof Timothy Ackland, Prof Brendan Waddell, Prof Alan Harvey, Dr David Lloyd, Mr Peter Mills (2004)**

**Human Biology:** ‘Dual Energy X-ray Absorptiometry (DEXA) Machine’—$70,000


**Dr David Lloyd, Mr Peter Mills, Human Movement and Exercise Science, Anatomy and Human Biology:** ‘Dual Energy X-ray Absorptiometry (DEXA) Machine’—$70,000 (2004)

**Dr Brendan Waddell, Prof Alan Harvey, Prof Ursula Kees, Prof Patrick Holt (2004)**

**Human Biology:** ‘PSBD Sterilizer (NHMRC Equipment Grant’—$37,509 (2004)

**Dr Daniel Green, A/Prof Timothy Ackland, Prof Brendan Waddell, Prof Patrick Holt, Prof Wayne Thomas, Prof Peter Sly, Prof Ursula Kees, Prof Patrick Holt. Paediatrics and Child Health: ‘NHMRC Equipment Grant: L-90K Centrifuge”—$121,500 (2004)

**Prof Wayne Thomas, Prof Peter Sly, Prof Ursula Kees, Prof Patrick Holt. Paediatrics and Child Health:** ‘NHMRC Equipment Grant: L-90K Centrifuge”—$121,500 (2004)

**S oftware’—$22,080 (2004)


**Dr Brendan Waddell, Prof Alan Harvey, Dr David Lloyd, Mr Peter Mills (2004)**


**Queensland Department of Primary Industries, Animal Science**

Dr Brenton Knott, Dr Danielle Johnston, Animal Biology: ‘Feeding and Digestion in Phyllosoma Larvae of the Tropical Rock Lobster Panulirus Ornatus and its Application to Culture”—$15,000 (2003–05)

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**Classifieds**

FOR SALE

ASTRA City 97 1.6ltr 5-door hatchback, metallic blue, 5-speed manual, air con, remote c/lock, immob, FSH, lic till July, 109,000kms and in good cond, $8500 ono. Call 0413 150 958.

HOLDEN Commodore VL 1995 automatic, recently over the pits, radio/cd, new tyres, white, licensed, good condition, $7200 ono. Phone Mann, 6488 2195 or Paula, 0401 877 511.

HOUSEHOLD furniture for sale: corner computer desk, 2 pine bookcases (3 shelves), 80ltr evaporative cooler, 1 trundle bed & mattress, frostfree refrigerator/freezer (near new). All offers considered. FREE king size waterbed frame with liner and mattress. Phone Mary on 9386 9320.

WANTED

VISITING academic seeks a house for rent close to UWA for October–December 2004 inclusive, suitable for family of 4. Please contact ian.reid@eng.ox.ac.uk.

ACCOMMODATION wanted from January 2005. We are relocating from South Africa in the New Year and I will be joining the University in January. We would like to rent accommodation for approximately 6 months. Requirements are 3 bedrooms and reasonable proximity to UWA. Contact Andy Fourie at andy@civil.wits.ac.za.

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**Redundant Equipment for Sale**

**ITEM**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PRICE</th>
<th>AGE(YRS)</th>
<th>COND.</th>
<th>SECTION</th>
<th>CONTACT</th>
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<tr>
<td>3 x PC Computers</td>
<td>$300</td>
<td>3</td>
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<td>Economics</td>
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<td>(800/128/20Gb/Rom/Zpi/175Screen)</td>
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<tr>
<td>BBQ</td>
<td>Offers</td>
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<td>3</td>
<td>Education</td>
<td>Scott, 2308</td>
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<tr>
<td>Various laptops (Mac &amp; PC)</td>
<td>Offers</td>
<td>7-9</td>
<td>2-4</td>
<td>Education</td>
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<tr>
<th>ITEM</th>
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<tr>
<td>PROCESSORS — came with mouse and keyboard, BUT NO MONITOR</td>
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<tr>
<td>1 x P1060 MHz CPU, 32MB RAM, 2.1 GB HD, Win98</td>
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<td>ACS</td>
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<td>2 x P1075 MHz CPU, 40MB RAM, 0.8 + 2.1 GB HD, Win98</td>
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<tr>
<td>3 x P1100 MHz CPU, 32MB RAM, 1.2 GB HD, CD ROM, Win98</td>
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<td>18 x P1133 MHz CPU, 64MB RAM, 1.2GB HD, CD ROM, Win98</td>
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<td>5 x P200 MHz CPU, 64MB RAM, 7.8 GB HD, Win98</td>
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<td>6 x P126 MHz CPU, 128MB RAM, 3.2GB HD, CD ROM, Win98</td>
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<tr>
<td>2 x PIII450 MHz CPU, 125MB RAM, 6.4GB HD, Win98</td>
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<tr>
<td>1 x PIII500 MHz CPU, 192MB RAM, 9GB HD, Win98</td>
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<td>5 x PIII550 MHz CPU, 128MB RAM, 20GB HD, CD ROM, Win98</td>
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<tr>
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**MONITORS**

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<td>1 x NEC 15&quot;</td>
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<tr>
<td>2 x Compaq 15&quot;</td>
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**NETWORKING**

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<tr>
<td>1 x DEC MULTI STACK SYSTEM</td>
<td>Free</td>
<td>ACS</td>
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<tr>
<td>1 x DEC Repeater 90T, 8x Port HUB</td>
<td>$15</td>
<td>ACS</td>
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<tr>
<td>1 x DEC Server 90TL, 8x Port HUB</td>
<td>$15</td>
<td>ACS</td>
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<tr>
<td>1 x DEC Bridge 90, BNC + AUI Converter</td>
<td>Free</td>
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<tr>
<td>1 x DEC Repeater 90T, 8x Port HUB</td>
<td>$15</td>
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<tr>
<td>1 x Ethernet Multipart Repeater, BNC + AUI</td>
<td>Free</td>
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<tr>
<td>1 x DEC Repeater 90T+, 8x Port HUB</td>
<td>$20</td>
<td>ACS</td>
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<tr>
<td>1 x DEC HUB, DEC HUB + Power Supply and Rack Kit</td>
<td>Free</td>
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<tr>
<td>1 x HP Advance Stack 800T HPJ3245A, 7x 100base/T TP 1x 100base/Fx</td>
<td>$250</td>
<td>ACS</td>
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<tr>
<td>3 x DesServer 200/MC</td>
<td>Free</td>
<td>ACS</td>
<td></td>
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<tr>
<td>1 x DEC HUB, 16x Port 10Mb HUB</td>
<td>$25</td>
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**SERVERS**

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<tbody>
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<td>2 x 200 MHz CPU, 256MB RAM, 4x4GB HD, CD ROM, WinNT</td>
<td>$60</td>
<td>ACS</td>
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</tbody>
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**CONDITION** refers to the general condition of item (1 = as new; 2 = good; 3 = serviceable; 4 = unserviceable). **AGE** refers to the year.