The society that mistook its children for bats sounds like a low-grade horror movie but, according to anthropologist Jim McKenna, it is a true analogy for the child caring culture prevalent in Western society.

Professor McKenna, director of the Mother-Baby Behavioural Sleep Laboratory at Notre Dame University in Indiana, and a world authority on infant-parent co-sleeping, presented the Institute of Advanced Studies’ first public lecture for the year, under that title.

He has studied for 20 years the physiology of co-sleeping and breastfeeding and its role in the prevention of sudden infant death syndrome (SIDS).

“...some species of bats whose care for their infants resembled the actions of some Western mothers.”

He cited some species of bats whose care for their infants resembled the actions of some Western mothers: leaving their young alone (in a cot) for long periods of time, especially overnight, with no feeding or body contact.

“The mother bats leave their young for extended periods while they search for food but for them, it’s appropriate behaviour. Their milk is very high in fat and protein, for rapid growth and development, and it also means that the infants can go for long periods between feeds. They develop so quickly that they are out on their own at the end of their first year of life.

“The bat mother’s milk exactly matches the needs of the baby bats.

“So does human mother’s milk exquisitely match the requirements of human babies: it is low in fat and protein, high in sugar, water and antibodies. Human babies can’t go for long periods, like bat babies, between feeds. They need feeding almost continuously, including throughout the night.

Continued on page 4
The 'Year of the Snake' is fast becoming the Year of Elections.

Having failed to have at least one state or a federal election in 2000, we appear to be punishing ourselves with at least two state elections (plus maybe a third) and a federal election, in this single year. Those who relish these gladiatorial contests of politicians and promises must be in very heaven.

But at least education is one of the key issues on the political agenda. Mostly, it means ‘schools’, their curriculum and funding.

Yet it is also coming to mean ‘higher education’ – not only access, resourcing and outcomes, but also investment in research and innovation.

For several years now we have been arguing from our campuses that we cannot aspire to be a ‘knowledge economy’, or an ‘innovative society’ – or whatever term you use to describe the modern skilled national community – unless this was underpinned with a well-supported higher education sector.

We have also tried and tried to bring home the lesson that we were slipping down the comparative table of OECD countries in our national commitment to an investment in higher education and research.

Finally, we have repeatedly called for new macro policy settings, to support industry investment in knowledge generation, and for a new regulatory environment which supports (rather than discourages) diversity in University missions and development.

There are now some small signs that our advocacy is being heard.

We have had a ‘summer of higher education’. The Federal Coalition Government at last launched its major innovation statement *Backing Australia’s Ability*, itself drawing from the Chief Scientist’s Report of last year and the Innovation Summit outcomes. New resources (not enough, given our lean diet of the past 5 years!) are at last provided for basic research (a doubling of ARC, for example, over a number of years), plus assistance for R & D, infrastructure and graduate studies.

Meanwhile, the Federal Labor Opposition also put before the electorate a major statement on developing a

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**I can rarely recall such a favourable time for advocating … why universities matter to their societies.**

“Knowledge Nation”, with a particular focus on a proposal to develop an Australian e-education University.

A Senate inquiry into higher education, its funding and commercialisation, has also begun to capture headlines even though submissions and deliberations are yet to happen.

A moment of real opportunity for our AVCC and the Go8 and individual universities now exists for us to take our case to the community at large. On our behalf I have contributed to the AVCC’s widely discussed paper *Our Universities: Our future*, and also to Go8 papers on basic research, R & D, and innovation policy. A recent Go8 forum in Canberra attracted all the major educational and research agencies, while the National Press Club has invited the President of the AVCC (and myself as Vice-President) to provide a nationally televised lunchtime address on universities and Australia’s future development.

But let us not take anything for granted. In this Year of Elections, please make the case for education at every opportunity: with politicians of all parties, community leaders, all our fellow citizens… I can rarely recall such a favourable time for advocating the critical role of universities and why universities matter to their societies.

It is almost as if we have broken through into a national awareness of the vital necessity of building our future as a nation, around the case of good education, skills, research and development and international outreach!

Perhaps that is also why I shall recall the summer of 2001 with positive feelings. Summer School was excellent. PIAF was both financially sound and artistically satisfying – I shall long remember the Merce Cunningham dancers at Cottesloe Beach. First year enrolments were outstanding in quality, while overseas enrolments rose again. The Motorola $50 million facility for software R & D began to become a reality… and I enjoyed a journey to Albany, where I inspected the architecturally superb Penny Post building of our future centre, while also discovering the glories of Shelly Beach with my wife Paddy.

Yes, a good summer – an education summer.

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**Professor Deryck Schreuder**  
**Vice-Chancellor and President**  
*vc@acs.uwa.edu.au*
After half a century of distinguished work in the field of anatomy, Charles Oxnard must surely see the new millennium as the pinnacle of his illustrious career.

Emeritus Professor Oxnard (Department of Anatomy and Human Biology) has been appointed Leverhulme Research Professor by the University of Liverpool and University College, London. He is to be presented with the Charles R. Darwin Award for lifetime achievement in physical anthropology by the Annual Meeting of the American Physical Anthropologists Association. And he has recently been published in one of academe’s most prestigious journals, Nature.

The Darwin Award annually honours a senior scientist who has made unique and outstanding contributions to a science discipline and the profession of physical anthropology over a lifetime of distinguished achievement.

“This may mean they think I am now finished,” Professor Oxnard laughed. “Are they going to be surprised when they read the Nature paper!”.

Professor Oxnard’s career spans half a century and three continents, with enormous experience in the field of Primate evolution and adaptation. He is one of the most influential and outstanding anatomists and primatologists of the 20th century and was feted last April at a symposium in his honour also at the annual meeting of the American Physical Anthropologists Association.

The Leverhulme visiting professorship presents an opportunity for the British universities to bring home one of their major science exports...

Anatomy of a still evolving career

... an opportunity for the British ...

to bring home one of their major science exports ...

The Leverhulme professorship is not only an honour for Professor Oxnard, but for UWA, where he arrived, after working for nearly a decade in each of Chicago and California, in 1987 (after completing his BSc, MB, ChB and PhD in Medicine at the University of Birmingham).

His studies have produced 437 publications, including 25 books and monographs and 206 papers. The most recent of these, co-authored by Dr Willem de Winter (until recently also a member of the Department of Anatomy and Human Biology), appeared in Nature.

Their report took a new slant on brain evolution, while looking at the structural organisation of mammalian brains.

While holding the professorship, Professor Oxnard will maintain his research grants, graduate students and postdoctoral fellows at UWA.
Young people’s contribution to medical science was recognised in this year’s Australia Day awards.

Three UWA students were rewarded for their community efforts.

At the top of the list is fifth year medical student James Fitzpatrick, who was named Young Australian of the Year. He won the award chiefly for his enthusiastic involvement in SPINRPHEX, the most successful rural undergraduate health club in Australia.

James was behind the Carnarvon Children’s Festival and the club’s involvements with Aboriginal health.

SPINRPHEX was the catalyst for Sian Williams winning Junior Citizen of the Year, City of Perth. The 22-year-old graduated with first class honours last year in physiotherapy and, like James, has a passion for rural health issues.

She set up a student club, for allied health professionals, along the lines of SPINRPHEX (logo right).

There’s a huge need for allied health in the bush so it’s important to have an undergraduate club to generate enthusiasm and exposure to rural health issues,” she said.

PhD student Kirsten Nowak won the Science and Technology category of Young West Australian of the Year for work in the UWA Centre for Neuro-muscular and Neurological Disorders.

Another recent graduate, Tom Ridsdill-Smith, was among the finalists in the Science and Technology category. A high flier in mathematical geophysics, he recently won the 2000 Robert Street prize for the best doctoral thesis.

Ten UWA graduates featured in the Australia Day honours list, with athletes Shirley De La Hunty, Bill Kirby and Claire Mitchell-Tavener rewarded for their efforts. Bill and Claire won gold medals at the Sydney Olympics for swimming and hockey.

Joining Mrs De La Hunty in being made an Officer of the Order of Australia were Professor Michael Grace (for services to medicine in the field of paediatric gastroenterology) and Emeritus Professor Con Michael (also for services to medicine, particularly in the field of obstetrics and gynaecology).

Eileen Mary Davidson, a pioneer of the social work profession, Professor Peter Edwards, an author of Australia’s military history, and Emeritus Professor Richard Joske, another UWA medico, were all made Members of the Order of Australia.

Joan Pope (service to creative arts for children) and Kathleen Wood (service to development of school and community choirs) both received the Medal of the Order of Australia.

Continued from page 1

Co-sleeping fights SIDS

Of all the primates and mammals, humans are born with the least developed brain. Our brain doesn’t reach full maturity for about 17 years, so human offspring are designed to be dependent on their mothers for a long time.

The underlying theme of my work is that culture changes much faster than biology: the culture of putting a baby to sleep by itself in a cot and letting it soothe itself back to sleep when it wakes and cries has nothing to do with the scientifically-proven needs of the infant.”

Professor McKenna said that all the attributes of humans promised by the solitary sleep model (independence, self-esteem, gender identification) were actually achieved by close contact, breastfeeding and co-sleeping.

“Of course, human beings are very complicated. It would be crazy to suggest that sleep patterns alone are responsible for areas of development but it is certainly part of the picture. And co-sleeping in itself is not the sole contributing factor. It is a part of the 24-hour nurturing that human babies need and are designed for.”

He said babies who slept with their mothers were aroused often during the night by the mother’s closeness and stimulation. Babies who slept alone in a cot, deprived of sensory stimulation for hours, tended to spend more time in the deepest sleep, from which it is hardest to arouse infants, and this had indications for SIDS.

Professor McKenna’s lecture and seminars were part of the IAS’s series on evolutionary medicine and public health.

Professor Jim McKenna: world authority on infant-parent co-sleeping

James Fitzpatrick (right) with Dr Greg Down, director of WACRRM and The Hon Bob Kucera, Minister for Health.
Andy Sierakowski is rather like a platypus. They are both unique species, “blended” animals that delight university researchers.

But instead of the flat tail, duck bill and mammal’s pouch, Dr Sierakowski has an academic background, impressive commercial experience and a passion for bringing the two together.

He is the University’s new Manager of Commercialisation and Business Development, and will help to establish UWA’s Office of Industry and Innovation.

He graduated from UWA 25 years ago, with a PhD in organic chemistry, then completed post-doctoral work in the United Kingdom and Switzerland before joining Kodak R & D in Melbourne. He assumed several key roles in the multinational corporation, including a two-year assignment at Kodak-Pathe France as head of a large technology transfer team.

Dr Sierakowski managed one of Kodak’s biggest sales and marketing business units, Kodak Professional, and has extensive experience in dealing with large corporate clients, and in driving successful business results. He returned to Perth two years ago as general manager of Joyce Corporation’s agri-chemical business, Joyce Rural.

He sees his key function at UWA as commercialising the University’s intellectual property in the most effective way.

“I want to bring maximum benefits to the University and the individual researcher,” Dr Sierakowski said.

With first-hand experience in commercialising his own and colleagues’ inventions in the private sector, he knows that innovation has become very important in every sector.

“One of the big problems in commercialising research lies with patenting it,” he said. “In the normal course of events, a researchers is keen to publish her/his findings to ensure that funding continues. But once those findings are published, they are deemed to be disclosed and you can’t patent them.

“That makes commercialising the research very difficult – not impossible, but very difficult.”

Professor Michael Barber, Pro Vice-Chancellor (Research and Innovation), said the University was happy to welcome Dr Sierakowski back to the campus.

“He brings many strengths to this new role,” said Professor Barber. “Apart from having a sound understanding of the way that university research happens, he has an outstanding track-record of performance in industry, plus a wealth of personal and international business contacts. We anticipate his appointment will significantly strengthen UWA’s links with industry.”

As well as meeting researchers and encouraging them to talk to him about their work, Dr Sierakowski says he will be exploring and networking with industry contacts both here and in the eastern states.

Two staff members have recently been recognised with election to academies in their disciplines.

Professor Stewart Candlish is now a Fellow of the Australian Academy of the Humanities and Professor Beverley Ronalds has been elected a Fellow of the Australian Academy of Technological Science and Engineering.

Professor Candlish is a lecturer and post-graduate supervisor in the Department of Philosophy. Professor Ronalds is the Director of the Centre for Oil and Gas Engineering.

Election to academic academies is an exhaustive process that only the most worthy academics survive. They must be nominated confidentially by another person. That nomination goes for consideration to a committee dealing with that discipline. If it is approved by at least two thirds of that committee, it is then put before the discipline subgroup, for example, in Professor Candlish’s case, Philosophy and Religion.

If the nomination passes that stage, it is voted on by the entire membership at their AGM. If there is not a quorum at the AGM, a postal ballot takes place. The process can take up to two years.
Energetic advocate

Jonathon Thwaites' electric-powered bicycle is an integral part of his equipment in the Safety and Health Office.

Energy is Jonathon Thwaites' passion: making it, saving it, finding alternative sources of it.

And the University's radiation and safety officer has his own internal energy source that keeps him operating on many fronts. As well as his work in the Safety and Health Office, Mr Thwaites is working on a collaborative project at the Perth Zoo, designing and installing energy displays, and he is the president of the Alternative Technology Association (ATA) in WA.

He rides his bike, equipped with a small rechargeable electric motor and batteries, around the campus and to and from QEII. His Cottesloe home runs mainly on solar power.

Mr Thwaites is keen for the University to become a leader in sustainable lifestyles: exploring radical changes to our lifestyle, particularly our dependency on cars.

“I would love to see UWA set up a sustainable living centre to carry out research and development into sustainable lifestyles and technology. The University could become a leader in this field and we could start with the issue of parking and use of personal vehicles,” he said.

Funded car pooling, a computerised vehicle tracking, scheduling and booking system (for car pooling) on the Net, rebates for upfront parking fees for unused parking hours and more effective use of space now used for parking are all options that Mr Thwaites would like to see developed on campus.

As president of the ATA, he won a $30,000 (State Government) grant from the Alternative Energy Development Board for the renovation and repair of the Homestead Farm at the Perth Zoo.

In collaboration with the Zoo and UWA's School of Architecture and Fine Arts, the Homestead, the grounds and the interactive energy displays will be revamped. Some of the outdoor work has already been done by architecture students last year, under the supervision of Dr Andrew Marsh.

The project involves setting up a worm farm, a composting system and companion planting, all with information and quizzes, aimed at schoolchildren, who make up the majority of visitors to the Farm.

The complex is designed to be hands-on as well as providing facts and thought-provoking questions about sustainable energy. Solar displays include photovoltaic panels, a solar water pump and a solar pergola.

Mr Thwaites has responsibility for the energy displays in the homestead kitchen.

“We'll be setting up a toaster, a mixer, a light, probably some sound and pictures (a radio and a television), each showing how much energy they use. We'll have a wall of different types of lights, showing not only how much energy they use but all the costs and benefits (or otherwise) associated with them,” he said.

Perth Zoo's education officer, Dale Alp, said finances were being finalised so work could be completed in time for an opening on World Environment Day (June 5).

Also in the homestead Mr Thwaites plans to install computer displays from which visitors can learn about the new grid-interactive power system—the same system he is using at his home and which provides about two thirds of his family's power needs.
for alternatives

Photovoltaic panels on the Thwaites’ roof provide two-thirds of the power for a family of six.

The Thwaites’ power bill for the past six months was only $100. That’s for a family of six which often hosts an overseas student as well.

Several months ago, Mr Thwaites had a photovoltaic (PV) or solar system installed. The panels on his roof capture energy from the sun and any that isn’t used is redirected to the main power grid. Likewise, any extra energy the Thwaites need is taken from the grid.

The system does away with expensive and troublesome batteries and, in the long run, will make a profit (from the sale of excess energy onto Western Power’s grid.)

It’s expensive. A typical 1.5kW PV system with a similarly sized grid interactive inverter, including installations and approvals, costs between $18,000 and $20,000. The Australian Greenhouse Office offers a rebate scheme which offers a total of $7500 for residential dwellings, with a cap of $10,000 for community buildings, with 2kW of PV.

“The system installed on my house will pay for itself in about 15 years if electricity prices remain as they are now,” Mr Thwaites said.

“But as the effects of climate change and the huge costs associated with it become apparent, I feel that it is quite plausible that the price of electricity will rise dramatically over the next decade.

“I am expecting that the system will pay for itself in something like half the time I first calculated.”

A physicist by profession, Mr Thwaites has wide experience with alternative energies and is keen to hear from anybody else on campus who would like to know more or discuss their ideas. He invites staff to contact him on ext 7932 or by e-mail at jonathon.thwaites@uwa.edu.au.

Nobel celebration

The Raine Foundation celebrates its 40th anniversary with an oration by one of the world’s most celebrated pharmacologists, Professor Alfred Gilman.

Professor Gilman won the Nobel Prize in 1994 for his discovery and characterisation of the G proteins. His observations provided, for the first time, a firm molecular basis for understanding certain processes present throughout nature.

Educated at Yale and Case Western Reserve universities, Professor Gilman has held the chair of Pharmacology at the University of Texas Southwestern Medical Centre for 20 years.

He is also the Chairman of the Steering Committee of the Alliance for Cellular Signaling, a multidisciplinary research program that involves 52 investigators from 21 research institutions. The Alliance aims to comprehensively understand, integrate and model the myriad signal transduction pathways present in the mammalian cell.

The Alliance for Cellular Signaling is the topic of his oration, on Thursday March 22 at 6pm in the Octagon Theatre.

Get fit ...

It’s still not too late to make good your New Year resolutions....and UWA Sports is making it easy for you.

The UWA Fitness Centre has an Open Day this week (Wednesday March 14) where all classes and workouts are free of charge.

This includes body combat, body pump, boxacise and circuits, use of the weights room and the electronic room.

All staff are invited to come and try the facilities. Special deals on membership will be done on this day only!

For more information, call Jamie Chong on ext 3922.
The brighter side of committees

"O give me your pity
I'm on a committee.."

The start of a witty but deprecating ditty about the lumbering nature of committees would appeal to everybody who has ever served on one.

But the whole business of the University depends on committees, with up to 100 of them meeting regularly, from the high profile Senate and the Academic Council, down to the smallest departmental group.

So the centre for Staff Development has initiated a committee skills project for the first half of the year, to enhance the performance of UWA's committee system.

Responding to concerns from the University's Executive and the Senior Women's Network, the project, with a range of development activities for executive staff, lay members of Senate, committee chairs, committee members and secretaries, is linked to the University's forthcoming efficiency review of committees.

It was kicked off with a senior manager's forum last month, with a panel taking a light-hearted look at "when committees go off the rails".

Wendy Edgeley, Director of Secretariat Services and secretary to the Senate, estimated that she had already spent the equivalent of several years of her life devoted to committee meetings, including preparing agendas and writing up and distributing minutes.

"In all that time, it has never ceased to amaze me that some committee members can blithely open up the envelope containing the agenda when they arrive at the meeting, clearly having not laid eyes on it previously, then have no inhibitions about contributing to the discussion of each and every item!" she told about 50 staff at the forum.

She said she had once counted three people asleep at one meeting and admitted that she had resorted to playing private games to keep herself awake, including imagining that each person around the table was a dog and deciding which breed each would be.

To prevent the committee system slipping further into a "tragi-comedy of wasted time and boredom", Ms Edgeley recommended six key factors for an effective meeting: preparation, focus, discipline, suspension of ego, open-mindedness and perspective.

Colin MacLeod, who has just relinquished the Chair of the Academic Board, said that UWA had a proud tradition of collegiality in decision-making but that sometimes the collegiality went on for too long.

"Committees are cul-de-sacs down which good ideas are lured to be quietly strangled," he quoted, going on to say that the only function of a committee is to make decisions.

"I am a strong advocate of committees as long as they focus on decision-making," Professor MacLeod said.

He said that committees were easy targets because they were big and slow-moving but he welcomed the committee skills project and hoped it would enhance the system at UWA.

The third member of the panel, Dr Michael Partis, sub-dean of Arts, had his tongue in his cheek when he said that the major problems he had experienced with committees were that other members rambled on too much for too long but that his own "penetrating incisive comments" weren't given enough attention!

Making the most of committee meetings: Enhancing committee members' skills involves two half-day workshops combined with the opportunity to observe two major University committees in action.

Tarzan and Jane as committee members is a two-hour session to explore gender differences in communication and committee participation and identify techniques for members to enhance their individual contributions and contribute to committee effectiveness.

Details of these two courses are available on the Web at www.csd.uwa.edu.au/programme
The Centre for the Advancement of Teaching and Learning (CATL) has taken to the road.

Its roadshow is raising awareness of and providing information about different aspects of flexible teaching and learning. CATL held its inaugural roadshow in the Faculty of Agriculture and has now visited the Faculty of Arts and ECEL, with more shows planned for other faculties.

The roadshows present an overview of flexible teaching and learning and how it fits into this University’s environment. Participants said the roadshow was useful to them and indicated that their understanding of flexible teaching and learning as well as managed learning environments had improved as a result.

Future CATL Roadshows are planned for:
- MEDICINE – 9-11am April 2 at FJ Clarke Lecture Theatre contact Ms Michele Teague 9346 2621
- Engineering and Math Sciences – April 19, contact Dr Nathan Scott 9380 3761
- SCIENCE – September 24, contact Dr Jan Dook 9380 2597

Information about flexible teaching and learning and managed learning environments is available from CATL on 9380 1577 or visit the CATL Website at www.catl.uwa.edu.au/

On the road again ... taking a flexible direction

The new Labor State Government has provided the perfect platform for the University’s first sexuality-related project.

The Rainbow Project, a 12-month program financed by the Diversity Initiatives Fund, aims to work proactively to support both students and staff with alternative sexualities.

Sexual preference has already been incorporated into UWA’s Equal Opportunity Policy Statement and one of Labor’s election promises was to bring sexuality into the Equal Opportunity Act, bringing WA into line with most of the rest of the western world.

“That undertaking gives this project real teeth,” said Malcolm Fialho, diversity project officer in the Equity Office.

It will be launched on Harmony Day, Wednesday March 21. The project is being coordinated by the Guild, which has appointed a part-time project officer, student Aaron Hewett, who ran the Guild’s sexuality program for 18 months.

“During that time, it became evident that it was not just students but staff who needed support and information on sexuality, and that’s where this project started,” Mr Hewett said.

The Equity Office has already run two meetings for staff who are interested in the program and Mr Fialho said the attendance at these proved the need for the project.

“The issues they have identified are inappropriate comments, feelings of exclusion, job security and a need to feel safe about raising these issues,” he said.

The three-phase project will begin with consultation, move to analysis and be completed with a campaign, focusing on visibility of people with alternative sexual preferences, the creation of a staff-student support network and educational forums.

Initially, the project officers will be surveying students and staff on their attitudes towards gay, lesbian, bisexual and transgender (GLBT) people and what they think of the current environment at UWA for GLBT people. Action will flow from the survey results.
Hormone role in cancers

Three distinguished scientists from the US recently brought their expertise and job offers to UWA.

The cancer researchers presented a symposium, Hormones and Cancer, at the Western Australian Institute of Medical Research (WAIMR) and were actively seeking post-doctoral students for positions in the US.

The symposium, jointly sponsored by WAIMR and the Cancer Foundation of WA, featured Professor Robert Matusik, Director of Urological Research at Vanderbilt University, Nashville, Tennessee; Professor Edward Gelmann, Director of the Lombardi Cancer Centre's prostate cancer program, at Georgetown University School of Medicine, Washington DC; and Associate Professor Richard Pestell, Director, Program in Hormone Responsive Cancer at Albert Einstein College of Medicine, New York.

Professor Matusik presented current research characterising unique transgenic mouse models of prostate cancer that have been created in his laboratory. These models have been particularly useful for studying how prostate cancers arise and how they spread in the prostate.

Professor Gelmann's laboratory has played a major role in characterisation of the NKX3.1 gene in human prostate cancers. This novel gene drives development of the prostate gland and its expression is altered as prostate cancers progress. NKX3.1 may one day be used for treatment of the cancer.

Associate Professor Richard Pestell, who is originally from Perth, described how steroid hormones, such as oestrogen and androgens, control growth of breast and prostate cancer cells.

Organiser Dr Jacky Bentel said that the visiting professors were hoping to find some postdocs in WA. She also had details of several other scientists from Europe and the US who were looking for postdocs. People interested can contact Dr Bentel at Royal Perth Hospital on 9224 3123 or by e-mail at Jacky.Bentel@health.wa.gov.au

Talking your way into an overseas trip

Five final-year law students are off to Washington to compete in the international rounds of a Moot Court competition.

UWA students have been remarkably successful in the Jessup Moot competition, often winning a top place in the Australia-wide contest. But this is the first time in four years that our team has won the right to compete internationally.

The students, Edward Guntrip, Nathan Collins, Nancy Howard, Michael Johnson and Natasha Erlandson, are coached by UWA 1998 law graduate Felicity Maher.

UWA News will report on the international rounds after our team has competed in April.

Mastering a degree without leaving home

A recent graduation presentation in Hong Kong marked a milestone for the Graduate School of Education.

It was the first group of students to receive their Masters of Education since the GSE began its offshore courses in January 1998.

Twenty students, including five with honours, proudly received their UWA degrees. Administrative co-ordinator Jan Peters said the fee-paying students preferred to stay at home with their families, retain their jobs and complete their Masters degrees part-time, with regular visits from UWA lecturers.

The GSE also runs Masters in Education courses in Singapore and Manila and is looking at the possibility of starting a bilingual course in China.
Ian’s music keeps his memory alive

Ian Cattrall, musician, marathon runner and long-time employee of UWA has left behind him a sweet reminder of his talents.

Ian recently succumbed to a four-year battle with cancer. He died on Australia Day. But late last year, he recorded a CD of his original songs, which are now available from Liz Davey, at research services.

His music and his running complemented 20 years of accounting work in Financial Services. Even after he lost a leg to cancer, he continued his membership of the Marathon Club. He entertained and inspired other cancer sufferers with his songs, one of which is now a theme song for a cancer support group.

Proceeds from his CD are going to cancer support. If you would like a copy, email Liz at edavey@admin.uwa.edu.au

Ian and his guitar entertained staff at University House’s Blues Dinner in 1997.

A graduate of Oxford, Professor Greenfield spent several years in postdoctoral research in Paris and New York, working in both biochemical and electrophysiological environments to develop a multidisciplinary approach to exploring novel neuronal mechanisms in the brain.

The basic theme of her research is to develop strategies to arrest neuronal death in both Alzheimer’s and Parkinson’s disease.

She is involved in science policy in the UK and has given a consultative seminar to the Prime Minister, Tony Blair, on the future of science in the UK. Professor Greenfield is an impressive presenter whose work is shown on international television.

Her lecture at UWA is in the Simmons lecture theatre on Tuesday April 10 at 12 noon.
University affairs go public

While The University of Western Australia is celebrating its 90th anniversary since its establishment in 1911, its flagship alumni publication, UNIVIEW has reached a much more modest milestone – its ninth year in a redesigned format that brings together research and graduate news.

Published three times a year and going to more than 40,000 graduates across the world, to every secondary school and library in the State, to major funding bodies and corporations, government officials and the media, UNIVIEW aims to give readers a snapshot of our research-intensive University.

The magazine is one of many tools effectively used by UWA’s Public Affairs to ensure that UWA’s academic achievements are shared with the wider community and not confined to the pages of important learned journals.

Today, universities appreciate the importance of conveying the value and relevance of their research breakthroughs as well as the links forged with leading international universities, and multinational and local corporations.

These messages are spread through strong working relationships with national and local media that, last year, saw some 570 individual UWA academics quoted at least once either in the press, on television or radio, and some many times.

While Public Affairs media releases and fortnightly features in UWA News invariably whet the appetite of journalists, UNIVIEW becomes an additional tool that can more comprehensively convey the breadth of research, and the achievements of academics and students alike.

Each issue focuses on an aspect of research that is of national interest – for example, salinity. Research Fellow Ted Lefroy of the Centre for Legumes in Mediterranean Agriculture believes thoroughly researched UNIVIEW articles enable complex issues to be treated in depth to “give people a thorough exposure to topical scientific issues”.

Following an article on the Tectonics Special Research Centre, of which he is Director, Professor Chris Powell, was impressed by the wide interest it generated - that saw him speaking to radio stations in New South Wales and Victoria, as well as the ABC and commercial radio.

“The magazine UNIVIEW is important in establishing the relationship between science and the media,” he said.

Possible threats to the Australian Broadcasting Corporation’s science unit highlights the importance of Australian universities and eminent research bodies using all their means to ensure that the broader community understands the importance of their role within our society.

A range of UWA departments – such as the Prospective Students Office and the International Centre – also make good use of the magazine in a more general sense in promoting the excellence of UWA. The role and value of The UWA Graduates Association along with the support of the Research Office ensure the publication reflects the broader values of the University community.

UNIVIEW is an effective mechanism for communicating to the nation’s leaders and decision-makers the value of the work being undertaken at UWA. It is also a crucial communications bridge between our graduates.

Feedback from graduates indicates not only enjoyment in reading the magazine, but pride in its track record of national and state awards.

As Editor I am grateful that readers take the time to provide feedback, and I am always open to suggestions from all who read the magazine. Letters from local secondary schools also indicate that the magazine’s research articles become a useful teaching tool, while the academics featured become inspiring role models for students who are considering their careers.

A particular pleasure in producing UNIVIEW is the fact that each issue becomes a journey of discovery. “We’re doing an article on …” is a starting point that leads from one end of the campus to the other, from researchers who are top international players, to infectiously-enthusiastic postgraduate students and research fellows who will one day make their own mark.

By the time an issue has gone to the printer, I am invariably left with a sense of wonder at just how much outstanding work happens on this campus – and what a privilege it is to ‘tell the world’ about it.
IAN POTTER FOUNDATION

Dr L. Hool, Physiology: “Travel to attend the 45th Annual Meeting of the Biophysical Society, Boston, USA” — $2500 (2001).

NHMRC

Mr N. Knuckey, Neuromuscular and Neurological Disorders: “The sulphate anion protects against stroke: characterisation of neuroprotective potential and mechanism of action” — $188,000 (2001-03).

Dr N. Laing, Neuromuscular and Neurological Disorders, A/Prof K. North (external): “Molecular and clinico-pathological investigation of congenital myopathies” — $725,000 (2001-05).

Dr S. Wilton and Dr S. Fletcher, Neuromuscular and Neurological Disorders: “Antisense oligonucleotide induced exon skipping as a treatment for Duchenne Muscular Dystrophy” — $360,000 (2001-03).

Prof J. Newnham and Dr T. Moss, Obstetrics and Gynaecology, and Prof R. Harding, Physiology: “Fetal responses to intrauterine inflammation and the postnatal pulmonary consequences” — $345,000 (2001-03).


Dr S. Prescott, Paediatrics: “Role of maternal dietary omega-3 fatty acids in modulation of T cell responses in the offspring” — $285,000 (2001-03).

Prof R. Goldie and Dr P. Rigby, Pharmacology: “Airway virus infection, protease-activated receptors and microvascular permeability” — $420,000 (2001-03).

A/Prof D. Robertson and Dr A. Everett, Physiology: “Ion channels and neurotransmission in hearing” — $225,000 (2001-03).

A/Prof J. Hallmayer, Prof A. Jablonsky and A/Prof P. Michie, Psychiatry and Behavioural Science, and Prof D. Hay (external): “Genetic basis of complex traits in schizophrenia” — $590,000 (2001-03).

A/Prof M. Hobbs, Ms D. Hendrie, Prof K. Jamrozik and A/Prof M. Knuiman, Public Health, and Mr I. Gilliland and Dr J. Rankin (external): “Evaluation and planning of health system utilization and outcomes” — $585,000 (2001-05).

Dr C. Holman, Dr A. Bass, Mrs K. Brameld, Mr J. Semmens, Public Health, and Dr G. Durham, General Practice, and Dr M. Smith (external): “The WA Record Linking Project: population-based studies of health system utilisation and outcomes” — $585,000 (2001-05).

Mr J. Semmens and Prof C. Holman, Public Health, Dr J. Alden and Prof D. Fletcher, Surgery, and Mr K. Faulkner (external): “The Quality of Surgical Care Project: quality assurance, clinical audit and outcomes evaluation in WA” — $345,000 (2001-03).


Dr J. Xu, Surgery: “Castrin as a calcium transport inhibitor during osteoclastic bone resorption” — $195,000 (2001-03).

Prof G. Begley, WA Institute of Medical Research, Dr S. Jane and Dr F. Koentgen (external): “Analysis of the hematopoietic function of endothelin and MASH proteins” — $405,500 (2001-03).

Prof G. Begley, WA Institute of Medical Research, and Dr F. Koentgen (external): “Analysis of SCL regulatory sequences” — $435,000 (2001-03).


Ms A. McKendrick, Psychology: “A functional magnetic resonance imaging (fMRI) and behavioural investigation of visual dysfunction in migraine (fellowship).”

PARKE DAVIS/PFIZER CARIOVASCULAR LIPID

Mr R. Singh and Dr A. Barden, Medicine: “Lipid abnormalities in the pathogenesis of pre-eclampsia: a study in gestational diabetics” — $55,000 (2001).

ROYAL AUSTRALASIAN COLLEGE OF SURGEONS

A/Prof A. Harvey, Anatomy and Human Biology and Dr P. Waites (external): “What factors are most important in allowing axon regeneration in myelinated pathways after distal (fellowship)”

UNIVERSITY POSTDOCTORAL RESEARCH FELLOWSHIPS

Dr K. Sircombe (external): “When did the Pilbara and Yilgarn cratons amalgamate? Provenance tests of the geological history of the Pilbara craton southern margin (fellowship).”

Research Grants & Contracts will feature in each issue of UWAnews.
Tuesday 13 March

LAURENCE WILSON ART GALLERY
‘do it’—the PVI Collective.’ Challenging some of the boundaries between the rarefied atmosphere of the art museum and the car parks of Perth with their work, True Crime, members of the web site and media design group PVI Collective talk about the role of art in questioning surveillance, ownership and authority. 1pm, LWAG.

Wednesday 14 March

PHYSIOLOGY RESEARCH SEMINAR
‘Mechano transduction in animal cells’, Professor Owen Hamill, University of Texas, Medical Branch, Raine Visiting Fellow. 5pm, Physiology Seminar Room.

CLASSICS AND ANCIENT HISTORY LECTURE
‘The art of the Christian icon’, John Melville-Jones, Head of the Department of Classics and Ancient History, for the WA Friends of the Australian Archaeological Institute at Athens and the Classical Association of WA. 6.30pm, Murdoch Lecture Theatre.

Thursday 15 March

FREE LUNCHTIME CONCERT
Quartet for the end of time. A performance of Olivier Messiaen's wartime masterpiece, featuring Deanne Chance (violin), Kevin Gillam (cello), Anne Hanrahan (piano) and Matthew Kidd (clarinet). 1.10pm, Octagon Theatre.

Friday 16 March

MICROBIOLOGY SEMINAR
‘Can you use confocal microscopy?’, Dr Paul Rigby, Pharmacology. 9am, Seminar Room 1.1, First Floor, L Block, QEIIMC.

ASIAN STUDIES SEMINAR
‘The killing of alleged sorcerers in the art museum and the car parks of Perth with their work, True Crime, members of the web site and media design group PVI Collective talk about the role of art in questioning surveillance, ownership and authority. 1pm, LWAG.

Saturday 17 March

CENTRE FOR CLINICAL RESEARCH IN NEUROPSYCHIATRY SEMINAR
‘Prediction of Alzheimer’s disease—what do we know and what do we not want to know?’ Dr Nicola Lautenschlager, Senior Lecturer, Psychogeriatrics, Psychiatry and Behavioural Science. 3.30pm, Seminar Room 3. Gascoyne House, Graylands Hospital.

CIVIL AND RESOURCE ENGINEERING
‘The T-bar twitch test: in situ measurement of consolidation characer-tectics’, Professor Mark Randolph and Andrew House. 3.45pm, Room E151, First Floor, Civil Engineering Building.

CENTRE FOR ARCHAEOLOGY SEMINAR
‘Social and resource landscapes in northern New South Wales’, Neil Dennis, Centre for Archaeology. 4 to 5pm, Simmonds Lecture Theatre, Third General Purpose Building.

Sunday 18 March

ESSENTIAL OILS WORKSHOP
‘Oil distillation and herbal soap making’. Thurby Herb Farm, Walpole. Cost: $175. For further details, phone Sandra Maynard on ext. 3827.

Tuesday 20 March

LAURENCE WILSON ART GALLERY
‘Reading do it.’ Published writer Stephanie Green reads from a series of writings created by Tuesdays Live in response to do it. 1pm, LWAG.

Wednesday 21 March

PATHOLOGY SEMINAR
‘A novel mechanism for MHC control of immunopathological disease’, Dr Patricia Price. 4.30pm, Pathology Conference Room, G14, Ground Floor, M Block, QEIIMC.

FRIENDS OF THE UWA LIBRARY MEETING
‘Mountains of madness: a journey through Antarctica’, Dr John Long, Curator of Vertebrate Palaeontology, Western Australia Museum. 8pm, Library Training Room, Reid Library.

Thursday 22 March

FREE LUNCHTIME CONCERT
‘Bell and Soundboard. A concert of works for euphonium and piano including the WA premiere of Blue Lake Fantasy by David Gillingham and featuring Alan Lourens (euphonium) and Stewart Smith (piano). 1.10pm, Octagon Theatre.

Friday 23 March

MICROBIOLOGY SEMINAR
‘The Cbl oncogene: a negative regulator of tyrosine kinases’, Dr Chris Andoniou, Microbiology. 9am, Seminar Room 1.1, First Floor, L Block, QEIIMC.

ASIAN STUDIES SEMINAR
‘The end of Reformasi? Old and new conservatisms in Indonesia’, Dr David Bourchier. 1 to 2pm, G25 Seminar Room, Social Sciences Building.

CIVIL AND RESOURCE ENGINEERING
‘Developments in vibratory pile driving’, Jan Kenkhuys. 3.45pm, Room E151, First Floor, Civil Engineering Building.

CENTRE FOR ARCHAEOLOGY SEMINAR
‘Inland Pilbara archaeology: a study of variation in Aboriginal occupation over time and space on the Hamersley Plateau’, Ben Marwick, Centre for Archaeology. 4 to 5pm, Simmonds Lecture Theatre, Third General Purpose Building.

ADVANCE NOTICE

Wednesday 4 April

LAW SEMINAR/BREAKFAST
The Teaching and Learning Committee congratulates fourteen postgraduate students for their success in the Teaching Internship Scheme for 2001

The Teaching and Learning Committee introduced a Teaching Internship Scheme in 2000 for promising doctoral research students to develop teaching skills in their field and to undertake a programme of professional development activities during the course of their PhD candidature. The aim of the scheme is to enhance the future employment prospects of the interns and to assist in attracting and retaining outstanding students at UWA and reflect the University’s goals in supporting high quality teaching and learning and fostering the nexus between teaching and research.

Due in part to its success in 2000 the Scheme was expanded for 2001 and 12 fully-funded internships were available, each of which included a teaching component to the value of $5000 and a professional development component costed at $2204.

A call for applications was circulated campus-wide in August 2000. In total 29 applications were received under the Scheme. The Teaching Internship Committee established to assess the applications was very impressed with the extremely high quality of applications received and recommended to the Teaching and Learning Committee that 14 internships be offered in total.

The 14 postgraduate students (listed in alphabetical order) who have been offered a Teaching Internship in 2001 are:

John Bongiovanni – Physics
David Coall – Anatomy and Human Biology
Wendy Angela Davis – Public Health and Medicine
Wayne Errington – Political Science
Phillip James Hawke – Geology and Geophysics
Sibbhan Hickling – Public Health
Wade John Matthews – History
Philip James Hawke – Geology and Geophysics
Siobhan Hickling – Public Health
Wayne Errington – Political Science
Phillip James Hawke – Geology and Geophysics
Sibbhan Hickling – Public Health
Wade John Matthews – History
Philip James Hawke – Geology and Geophysics
Sibbhan Hickling – Public Health

The Teaching and Learning Committee congratulates these successful students.

A call for applications under the Scheme for teaching programs in 2002 will be made in August next year. Enquiries should be referred to Sue Smurthwaite, Executive Officer of the Teaching and Learning Committee (ext. 2459, email: ssurthwaite@admin.uwa.edu.au).

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**WORKSKILLS PROFESSIONALS**

**ADMINISTRATION, COMPUTING & ENGINEERING PERSONNEL**

**Does your department require personnel for an upcoming assignment? An international seminar? Administration support? Solutions?**

Workskills Professionals is a Western Australian owned Recruitment Company. We provide personnel for large corporations and feature on Government preferred supplier contracts throughout Australia. Nationally, we have access to over 20,000 registered candidates — all experienced in the fields of Accounting, Administration, Computing, Engineering, Secretarial just to name a few! Successfully Workskills Professionals provided well over 800 staff for the recent Western Australian State Election.

We have successfully placed over 300 temps throughout The University of Western Australia in the past 7 years and continue to deliver. There is no substitute for experience, so please contact us for all of your temporary, contract and permanent personnel requirements.

Tel: 9201 7777  Fax: 9201 7778

Redundant Equipment for Sale

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Bids should be accepted by Monday 26 March with departments to have first option

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 3618/2547 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.
**2001 Program**

**March 2001**

**Advances in Human Evolutionary Ecology program**

**Sex, Health, Mind, Culture, Development**

- **Convenors:** A/Professor Jim Chisholm (Anatomy and Human Biology)
  - Dr Clive Wynne (Psychology)
  - A/Professor Victoria Burbank (Anthropology)

This program was launched in late February with a cluster of events under the heading of *Evolutionary Medicine and Public Health* and around the visits of two eminent scholars, Professor of Anthropology at Notre Dame, Indiana, James J. McKenna and Professor Roger Short, Department of Obstetrics & Gynaecology, University of Melbourne, presented public lectures and participated in a two-day research. Recordings of the public lectures can be found on the IAS website.

There are four focus areas remaining, and more than eight more visitors. Dates and details:

**July 23-31 Evolution & Culture**

1. **Lecture by David Sloan Wilson**
   - Professor of Biology, SUNY Binghamton (Unto Others: The Evolution & Psychology of Unselfish Behavior with E Sober, Harvard 1998)

2. **Lecture by Peter Richerson**
   - Professor of Environmental Studies, University of California Davis (Human by Nature: Between Biology & the Social Sciences(ed), Lawrence Erlbaum 1997)

3. **July 23-24 Research Workshop**

4. **July 23 Lecture by David Sloan Wilson**

5. **July 24 Lecture by Peter Richerson**

6. **July 24-31 Evolution & Sex**
   - (sexual selection theory & sex & gender relations; the family; evolutionary theory & feminism)

7. **Lecture by Sarah Hrdy**
   - Professor of Anthropology, University of California Davis, (Mother Nature: A History of Natural Selection, Mothers, and Infants, Chatto & Windus 1999)

8. **Lecture by Patricia Gowaty**
   - Professor of Ecology, University of Georgia. (Feminism and Evolutionary Biology: Boundaries, Intersections, and Frontiers(editor), Chapman & Hall 1997)

**July 25-26 Research Workshop**

**July 25 Lecture by Sarah Hrdy**

**July 26 Lecture by Patty Gowaty**

**August 1-6 Evolution & Mind**

- (evolutionary psychology; evolutionary cognitive science)

- **Lecture by Robin Dunbar**
  - Professor of Psychology, University of Liverpool (Grooming, Gossip, and the Evolution of Language, Harvard 1996)

- **Scott Atran**

**August 2-3 Research Workshop**

**August 1 Lecture by Robin Dunbar**

**August 2 Lecture by Scott Atran**

**September 24-31 Evolution & Development**

- (the nature-nurture problem; developmental systems theory)

- **Susan Oyama**
  - Professor of Psychology, City University, New York (Evolution’s Eye: A Systems View of the Biology-Culture Divide, Duke University Press, 2000)

**September 26-27 Research Workshop**

**September 25 Lecture by Susan Oyama**

**September 26 Lecture by Kim Sterelny**

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**Gender and Cultures program**

**Convenors:**

- **Professor Patricia Crawford** (History)
- **A/Professor Delays Bird** (English)

The first seminar in this program, provocatively titled *The Future of Gender*, is scheduled for 29 & 30 March. Professor Bob Connell of the University of Sydney will present the keynote address as a public lecture on the effects of the global economy on gender constructions (Weatherburn Lecture Theatre, 7.30pm, Thursday 29 March). The following day, five scholars will present papers in a seminar:

- **David Buchbinder**
  - Communication and Cultural Studies, Curtin University

- **Amanda Fernbach**
  - University of NSW

- **Chilla Bulbeck**
  - Professor of Women’s Studies, University of Adelaide

- **Sheila Jeffreys**
  - Politics, University of Melbourne

- **Felicity Haynes**
  - Graduate School of Education, UWA

There are four more focus areas and seminars planned in this program as well as a monthly lunchtime seminar series on Wednesday commencing in March. Dates and details —

- **GENDER AND WORK CULTURE**
  - **Convenor:** Dr Pamela Sharpe, QEH Research Fellow, History, Friday May 4 & Saturday May 5, 2001

  Gender issues within the workplace remain a critical issue in contemporary societies. This workshop will explore problems and developments in the context of history of gender relations at work in nineteenth and twentieth century Britain and Australia. It will reflect on equal opportunity issues both within and outside the academic workplace and involve participants from business and the public service.

  Participants include:
  - Professor Sylvia Walby, Sociology and Social Policy, University of Leeds
  - Professor Belinda Probert, Centre for Applied Social Research, RMIT
  - Professor Miriam Glucksmann, Sociology, University of Essex
  - Dr Beverley Lemire, History, University of New Brunswick, Canada
  - Dr Barbara Pocock, Centre for Labour Research, University of Adelaide
  - Dr Diane Kirkby, History, La Trobe University

  On Thursday May 3, Professor Belinda Probert will present two sessions for the Leadership Development for Women programme for women staff.

- **GENDER, MEDICINE AND HEALTH**
  - **Convenors:** Patricia Crawford & Delays Bird.
  - **Friday June 1, 2001.**

  Participants include:
  - Associate Professor Janet McCalman, University of Melbourne
  - Professor Rima Apple, University of Madison-Wisconsin

- **GENDER AND FAMILIES: PARENTS AND CHILDREN 1300-2000**
  - **Convenor:** Patricia Crawford
  - **Tuesday July 3, 2001**

  Participants include:
  - Professor Keith Wrightson, History, Yale University
  - Professor Patricia Grimshaw, University of Melbourne

- **GENDER AND VISUALITY**
  - **Convenor:** Professor Hilary Fraser
  - **Tuesday December 4, 2001**

  Additional activities/partnerships with the Art Gallery of Western Australia will include four significant exhibitions, including: Miriam Stannage Photoworks: Girls on Film; photo media and new technology; Modern Australian Women: Paintings and Prints 1925 – 1945; Creating a Place: Western Australian Women Artists 1920 - 1960.
**Professor-at-Large scheme**

Two scholars were selected from the nominations received and both will be visiting the campus in 2001.

**Dr Nadia Rosenthal** (Cardiovascular Research Centre, Massachusetts General Hospital) will visit in August/September and is hosted by Anatomy & Human Biology, Biochemistry, Physiology, Surgery, and the Plant Sciences Group. Dr Rosenthal is a leading molecular biologist and widely recognised as a leading proponent of developmental biology. Her main research relates to skeletal and cardiac muscle, covering molecular, cell and developmental aspects with a special emphasis on cell signalling and gene regulation.

**Professor Klaus Schulten** (University of Illinois at Urbana-Champaign) will visit in July and is hosted by the departments of Physics and Pharmacology and the Crystallography Centre. Professor Schulten was involved in the successful Masterclasses in Molecular Biophysics in 2000. Professor Schulten’s professional interests are theoretical physics and theoretical biology, and his current research focuses on the structure and function of supramolecular systems in the living cell, and on the development of new algorithms and efficient computing tools for structural biology.

Our Professors-at-Large will be available for meetings and consultations; they will be involved in research work, present seminars and a public lecture during their stay. They will be housed in the IAS Building and become involved with a wider range of people on campus than they might do by being in a single department.

**The Regions Beyond conference and literary event**

At Easter, and in collaboration with three other institutions, the IAS will present a conference and literary event to which six distinguished Australian writers have been invited. They are:

- Janette Turner Hospital
- Frank Moorhouse
- Nicholas Jose
- Beth Yahp
- John Kinsella
- Alan Seymour

The theme of the two days is cultural expatriation. As well as academic papers, there will be readings, panel discussions, book launches, a literary dinner and film screenings. A program is available.

Convened by:  
**Ms Terri-ann White**  
Institute of Advanced Studies  
University of Western Australia  
**Dr Susan Pfisterer**  
Menzies Centre  
King’s College, University of London  
**Professor Tom O’Regan,** Director  
Australian Key Centre for Cultural and Media Policy, Brisbane  
**Professor Warwick Gould**  
Institute of English Studies  
School of Advanced Study, University of London

**Inaugural Lectures**

A program of Inaugural Lectures will be presented again in 2001. This year, while retaining the informality of last year’s sessions, we give each professor a full lunchtime slot.

**Venue:** General Purpose Lecture Theatre 2  
**Time:** 1.00—2.00pm  
**Dates:** Wednesdays, commencing 4 April  
**Wednesday, 4 April**  
Pat Michie, Psychology and Psychiatry and Behavioural Science  
**Wednesday, 9 May**  
David Badcock, Psychology  
**Wednesday, 30 May**  
Albert Zomaya, Electrical and Electronic Engineering  
**Wednesday, 8 August**  
Diana Walker, Botany  
**Wednesday, 29 August**  
Philip Withers, Zoology  
**Wednesday, 26 September**  
Geoffrey Stewart, Microbiology  
**Wednesday, 17 October**  
Stephan Lewandowsky, Psychology  
**Wednesday, 31 October**  
Donald Robertson, Physiology

**The Future of International Arts Festivals in Australia**

In early February, the IAS presented a public forum—at the Dolphin Theatre. Four speakers set the tone and an open discussion took place in the presence of the members of the Festival Review Panel. Recordings of the four speakers—Lex Marinos, Louise Adler, Allanah Lucas and Philip Rolle—can be heard on the IAS website.

**New Board Members**

The IAS Advisory Board has new members: Professor Dennis Haskell, Chair of Academic Board; Ms Jasmina Brankovich, President of the Postgraduate Students Association; and Professor Syd Hall, elected member from Academic Board.

To be added to the mailing list of the IAS, contact Terri-ann White at tawhite@cyllene.uwa.edu.au.

**Upcoming Seminars**

**Gender & Cultures lunchtime series**  
1.00pm IAS Building  
**Gender and Computing**  
March 28 Keith Falloon, Computer Science  
**Gaming and Giving: Luxurious Female Expenditure in Eighteenth Century London**  
April 4 Dr Donna Andrew, University of Guelph, Ontario Canada  
**Gender, Culture and Religion. Muslim Women in Australia**  
May 2 Dr Samina Yasmeen, Political Science  
**Gender and Migration**  
May 16 Dr Norna Peters, Curtin University

**Some upcoming visitors**

- In June: Professor Michael Arbib, Visiting Fellow  
- In July: Moira Rayner, Visiting Fellow  
- In August: Professor Henry Reynolds, Fred Alexander Fellow  
  Professor Sheila Fitzpatrick  
- In October: Professor Lowitja O’Donoghue
The Raine Foundation
Proudly presents

The Raine Plenary Oration
and

Raine Symposium
on

Thursday 22\textsuperscript{nd} March 2001

The Raine Foundation is delighted to announce that Professor Alfred Gilman, Nobel Laureate, and Professor John Funder, AO, will visit The University of Western Australia on Thursday 22\textsuperscript{nd} March 2001 for Raine 40th Anniversary celebrations.

The Raine Symposium will showcase medical research in Western Australia by four distinguished UWA scientists, as detailed in the programme overleaf.

The Raine Plenary Oration

\textit{The Alliance for Cellular Signaling}

to be presented by

Professor Alfred G. Gilman

Thursday 22\textsuperscript{nd} March 2001 at 6.00pm
The Octagon Theatre

Raine Symposium Keynote Address

\textit{Mineralocorticoid Action: New Answers, New Questions}

to be presented by

Professor John Funder, AO

Thursday 22\textsuperscript{nd} March 2001 at 1.15pm
The Janet Holmes a Court Room
Lawrence Wilson Art Gallery

All Welcome

RSVP: 16\textsuperscript{th} March 2001
Raine Foundation: raine@raine.uwa.edu.au
9386 9880
Raine Symposium
The Janet Holmes a Court Room, Lawrence Wilson Art Gallery
The University of Western Australia
Thursday 22nd March 2001 at 1.15pm

Professor John Funder, AO
Director, Baker Medical Research Institute

will present the Keynote Address entitled:

Mineralocorticoid Action: New Answers, New Questions

Forty years ago spironolactone was first introduced as an antialdosterone agent, the first of a series (e.g. tamoxifen, RU486) of steroid receptor antagonists. Eighteen months ago, the results of the RALES study were published, showing that addition of low dose spironolactone to current best practice treatment (ACE inhibitors, diuretics, etc) for severe heart failure improved mortality by 30%, and morbidity by 35%. In the intervening period much of the (patho)physiology of aldosterone, and of its ‘cognate’ mineralocorticoid receptors (MR), has been established by experimental studies and clinical observation.

2.20pm  Repairing Damaged Brains

One of the major challenges to medical research is to induce successful repair after lesions to the major nerve fibre tracts of the human central nervous system. Successful strategies must prevent the death of injured cells, induce nerve fibres to regrow across the injury site and ensure they form appropriate connections with target cells.

3.00pm  Studies in Lifestyle and Hypertension

In the last 25 years substantial evidence has accumulated to illustrate the importance of diet and other lifestyle factors in hypertension. Population studies and randomized controlled lifestyle intervention trials initially supported by the Raine Foundation will be used to illustrate some of these effects.

Afternoon Tea

4.05pm  The Fetal Origins of Adult Disease

Many of the diseases previously thought to arise in adult life are now believed to have their origins before birth. This lecture will outline our current understanding of the role of the intrauterine environment in programming the future health and disease of the fetus and his or her offspring.

4.45pm  Molecules that Regulate Blood Cell Formation and Leukemia

This lecture will discuss the molecules that control blood cell production, in particular red blood cells, and will also consider how these molecules can cause leukemias when they are mutated.

Refreshments