

# Is sport a health hazard?

Is sport a health hazard? A whole nation sinks into armchairs, flicks on TVs and watches the men and women whose physical excellence and achievements make them stand out from the crowd.

What magic quality makes our sporting greats so very attractive? Their play is their work, and they work hard.

No-one can question the commitment and tenacity needed to reach the top. The tall poppies are nurtured and adored by society, which, with equal dedication, cuts down their corporate equivalents.

But does sport make us healthy, wealthy or wise?

Have we reached the limits of human endurance where the alternatives of steroids and joint reconstructions are leading us to bionic solutions in the search for success?

Are stress, pressure and money a pathway to burnout?

Is adoration driving our heroes to the ultimate destruction of their bodies as they strive for excellence?

Is sport encouraging a nation of couch potatoes, a nation of beer-clutching Norms keeping heavy schedules of appointments with their TVs?

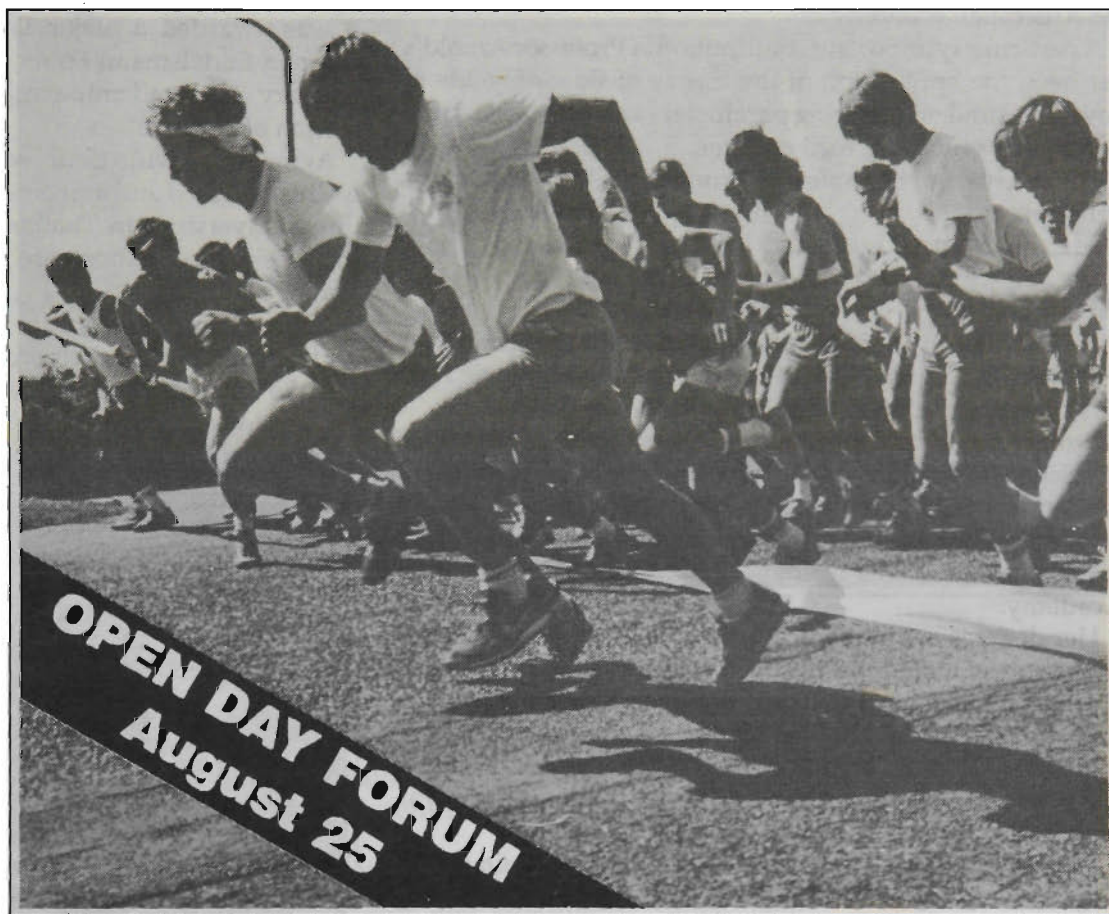
Is the great Australian sporting image a con?

Are we really a healthy, outdoor nation?

After the surge of sport in the '80s, are we fitter now?

Is the rapidly developing area of sports medicine a poor reflection of a healthy pursuit?

These and other questions will be put



to an expert panel at the Friends' Forum at Open Day on Sunday August 25 at 2.30pm in the new University Theatre room 153, Building 40.

The forum will be chaired by Vice-Chancellor and Principal of the University of Wollongong and President of the Australian Vice-Chancellors' Committee, Professor Ken McKinnon.

The panel includes:

**BOB BARRIE**, Australian Olympic Pentathlete (1972 and 1980) and manager of the ill-fated pentathlon team to the Seoul Olympics. National selector for the Australian Modern Pentathlon Union and President of the NSW Modern Pentathlon Association Inc.

**DAVID HISLOP**, Australian Olympic Cross-Country Skiing Competitor (1984 and 1988), Australian National

Champion Cross-Country Skiing (1983-1988), 1989 Winner of the International Survival of the Fittest Competition (USA).

**PROFESSOR TONY PARKER**, Head of the Department of Human Movement (University of Wollongong), President of the International Liaison Commission of the International Federation of Sports Medicine, Past President and Life Member of the Australian Sports Medicine Federation.

**Dr ROBERT YARROW**, Medical Officer to the Illawarra Hawks National Basketball League team and President of the Illawarra Sports Medicine Clinic and Chairman of its Board of Management, as well as a member of the Great Britain Olympic Rowing Team (1968).

AT THE Graduate Faculty meeting on July 11 it was resolved to award the degree of Doctor of Science to Professor Peter Arnold, Head of the Department of Mechanical Engineering.



Professor Peter Arnold

The award was made on the basis of Professor Arnold's major contribution to the development of the science and technology of bulk materials handling; an activity that is very important to the Australian economy.

A particularly important contribution of Professor Arnold's has been the application of the theory of flow of solids to develop sound engineering parameters and practices for the design of storage and feed systems.

The degree will be conferred at one of the October Graduation ceremonies.

## What is Creativity?

THE Graduate Faculty has organised a special lecture on Wednesday August 28 at 2.30pm by visiting academic Professor Margaret Boden in Building 19 Room G016.

Professor Boden is the founding Dean of Sussex University's School of Cognitive and Computing Science - a pioneering centre for research into intelligence and the mechanisms underlying it in humans, other animals and machines.

She is a Fellow (and former Vice-President) of the British Academy.

Her degrees are in medical science, philosophy and psychology, and include a PhD from Harvard and an ScD from Cambridge. She has published and lectured extensively in the field of artificial intelligence and creativity.

Professor Boden's lecture is titled *Creativity and Computers* and was originally given as a Friday discourse at the Royal Institution.

Professor Boden will discuss what is creativity? One idea may be creative, while another is merely new: What's the difference? How is creativity possible?

Artists and scientists rarely know how their original ideas come about. They mention intuition, but cannot say how it works.

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## Brief News

THE University of Wollongong has extended its student exchange program to include two universities in Britain.

An agreement was signed with the University of Exeter at the beginning of the year and in July the Vice-Chancellor, Professor Ken McKinnon visited the University of Warwick and signed an agreement with their Vice-Chancellor Dr Clark Brundin.

The University of Warwick was founded in the mid-1960s and is widely regarded as one of the United Kingdom's most successful universities.

It is located near Coventry and has 10,000 students. In 1990 it was awarded a major European prize from the West German Bertelsmann Foundation for combining 'in an exemplary way, academic excellence and the imaginative generation of revenue'.

Agreements with 15 universities in the USA are already well established and agreements have also been signed with three universities in Thailand, two in Taiwan and one in Indonesia. Negotiations are underway with institutions in France and Italy.

A record number of students have benefited this year from undertaking part of their studies at an overseas university but the International Office would like to see still more applications to participate in the program. Contact Trish Tindall, ext. 3955.



Vice-Chancellor, Professor Ken McKinnon signs a student exchange agreement with their University of Warwick Vice-Chancellor Dr Clark Brundin

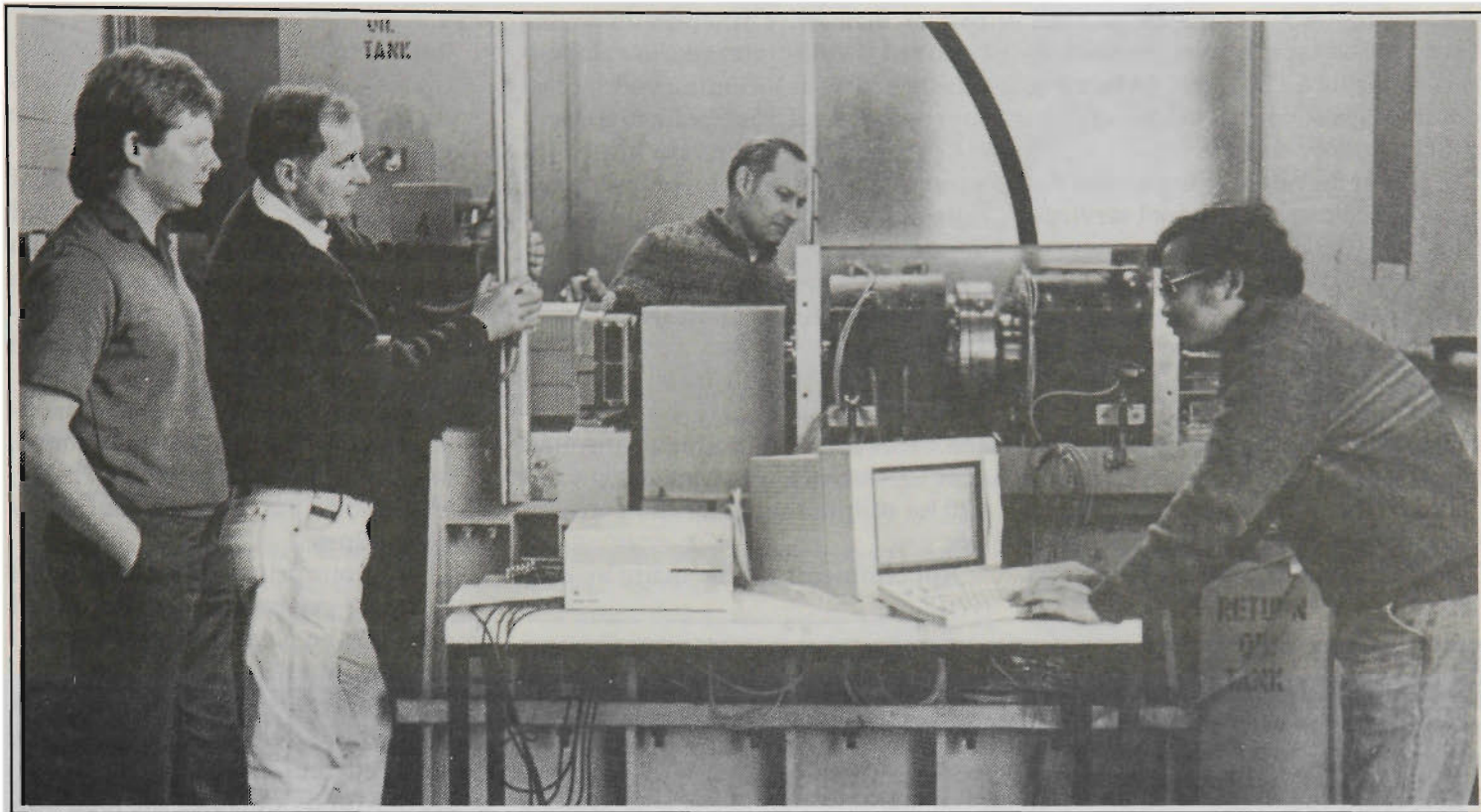
Apple is offering discounts on their 2MB/HD40 Macintosh Classic and LC computers. This discount is available until August 16.

	Staff/student	Department
Mac Classic 2MB/HD40	\$2040	\$1871
Regular price	\$2314	\$2105
Mac LC 2MB/HD40	\$3154	\$2678
with 12" color monitor	\$3601	\$3058
Regular price		

Prices includes keyboard and mouse

For further information contact Campus Personal Computing, tel. 21 3775.

# Test rig puts Mechanical Engineering ahead



The test rig team (from left): Ron Marshall, Stuart Watkins, Ron Young and Associate Professor A. K. Tien

A HIGH speed journal-bearing test rig has been successfully commissioned in the Department of Mechanical Engineering.

It is the largest experimental journal-bearing test rig built in Australia, and its advanced instrumentation and unique features make it one of a kind in the world.

The test rig was built with a grant of \$77,000 to Associate Professor A.K.Tieu from the Australian Electricity Supply Industry Research Board.

The project has also been assisted by Alan Gibson and Ian Barnard of the Electricity Commission of NSW.

Caltex Australia and BHP Steel SPPD have also contributed to the project.

The test rig will be used to study the dynamic behaviour and condition monitoring of steam turbine bearings in power station.

The test rig is instrumented with 16 transducers and 36 thermocouples to monitor dynamic pressure, oil film

gaps in the order of 100 microns, friction and temperature of the bearings.

The test rig requires strict tolerances on the machined parts, and with the size of the bearings about half of a full scale bearing, it is the most complex single equipment ever produced in the Department.

The design of the instrumentation was carried out by Norman Freund, a Ph.D student.

Components of the hydraulic circuits were selected by Ron Young.

The manufacture of the test rig was supervised by Stuart Watkins, and carried out by Ron Marshall, Stuart Rodd, Martin Morillas, Fernando Escribano and Stuart Watkins.

Mr Marshall spent seven months on the intricate machining and the installation of the test rig.

Tony Kent and Keith Maywald were responsible for the electrical wiring of the control panel and instrumentation.

The services provided by the same team at various other occasions has proved to be extremely valuable for the Department.

## Gerry Freed on industrial research committee

PROFESSOR Gerry Freed from the Department of Management is one of the five Australian businessmen selected for the steering committee for a joint program set up to co-ordinate industrial research and exploitation between Australia and France.

The program follows an agreement signed last year by the Ministers of Science and Technology of France and Australia.

The committee will hold its inaugural meeting with its French counterparts in Paris in September.

Professor Freed will be primarily advising on the information technology industry which both governments have selected as a priority target.

# Sporting offer at campus

THE SPORTS Medicine Clinic, the Campus Sports Store and the Mighty Bite offer fabulous services to staff and students of the University.

The Recreation Centre on campus has expanded rapidly over the last two years to include a 50 metre swimming pool and a just completed 60 x 100m artificial hockey surface.

As part of the ongoing expansion the centre offers these additional services:

## Sports Medicine Clinic

The Illawarra Sports Medicine Clinic's campus branch is located in the Recreation Centre opposite the squash courts.

The clinic handles sports injuries as well as other physiotherapy requirements.

Under the Recreation and Sports Association's Student Plan Insurance Cover, all students, staff, auxiliary and

# Recreation Centre

life members are entitled to claim the cost of their physiotherapy expenses incurred "whilst engaged in campus-related activities including your necessary travel to and from such activities..."

Conversely your private health insurance policy, if it includes physiotherapy, will cover you for some of your expenses.

The clinic physiotherapist is Peter Johnson and the receptionist is Michelle Patynowski.

Operating hours are Monday, Wednesday and Friday between 3-6pm. Fees are \$35 for initial consultation; \$25 for each subsequent visit; and \$20 for fulltime students and pensioners.

Appointments can be made by call-

ing the Recreation Centre on 28 1266 or call in and see Michelle.

## Campus Sports Store

Gerald Sgarella runs the sports store in the Recreation Centre near the front reception area.

The store stocks a wide variety of sporting gear including swimwear and accessories by Speedo, Arena and Sea Folly, sports shoes for tennis, squash and jogging, cricket gear, a good selection of aerobics clothing and a whole lot more.

The sports store offers very competitive prices on all the gear mentioned. The store is open Monday to Friday, 10.30am-5.30pm and on Saturday 10.30am-2pm.

Check your prices off campus by all means but get back to Gerald, you'll most likely be pleasantly surprised.

## The Mighty Bite

The University Union runs a food outlet in the Recreation Centre, Monday to Friday 11am-2pm.

April Mundy operates the food outlet and there is a wide variety of sandwiches, fresh fruit, drinks and other assorted goodies.

When you come to the Recreation Centre for your swim, aerobics class or lunchtime sport why not economise your time and get your lunch or a snack at the Mighty Bite.

## Tony Naughton at Singapore talks

FOR the second month in a row Tony Naughton of the Department of Management has attended an international finance conference.

In recognition of his work on Asian capital markets (part of the University's Asia Pacific Development research Program) he was invited to attend the Asia-Pacific Futures Research Symposium in Singapore on July 29-30.

His trip was sponsored by the Chicago Board of Trade which organises the annual event.

The symposium is the only regional conference of its kind covering the latest research into derivative contracts (options and futures) which are traded in the more developed capital markets of the region.

Copies of the research papers are available from Tony.

## Theatre mess 'disgraceful'

THE University Theatre (Building 40:153) was left in a disgraceful condition on July 24.

Half-eaten food was squashed into the carpet and the floor was littered with soft-drink cans, paper coffee cups, half-empty hot food containers and paper aeroplanes. There were pen marks on the backs of some seats.

The Users Committee will meet shortly to determine what action to recommend to the Vice-Chancellor on this matter.

Pro Vice-Chancellor, Professor Lauchlan Chipman said options include billing the relevant department for the cleaning and banning the subject from further use of the theatre.

"All staff are reminded that it is not permitted to take food or drink into the University Theatre and user departments are responsible for the theatre while their staff are lecturing in it," Professor Chipman said.

"All staff who use the theatre are urged to remind students that eating and drinking in the University Theatre is forbidden, and abuse may lead to their class being denied use.

"Lecturers are also reminded that they have the authority to expel misbehaving students from lectures, and to refuse to proceed with a lecture if the standard of conduct is unacceptable."

Professor Chipman said that notices and posters are not to be attached to the painted walls of the theatre foyer. They will be removed immediately by cleaning or security staff. A small removable notice board is being arranged.

**Students and staff are reminded that no food or drink is permitted in any lecture theatre at any time.**

# Treasury should look to Bulli High



*Economic lesson (from left) organiser Ed Wilson, from the Department of Economics, Head Department of Economics, Robert Castle, presents a cheque to the Bulli High School team Michael van Anen, Scott Beckett, Paul Johnson and David Fitzgibbon. Looking on is Darren McKay, Department of Economics who helped to organise the event.*

FINAL year secondary students from Illawarra schools attempted to prove that they could do a better job than any Federal treasurer in a competition or-

## Campus access reminder

RECENT incidents make it appropriate to remind staff and students of the University of Rule c13 Section A1.4 Rules for Campus Access and Order.

This reads: "All members of staff of the University and students are issued with Identification Cards which must be carried during attendance at the University and shown in response to any reasonable request from an authorised person in the course of carrying out his or her duties in relation to campus access and order."

In these rules "authorised persons" means the Vice-Chancellor, Security Staff, and Gatekeepers; and any other persons designated as an authorised person in attendance with the Campus Access and Order Rules.

## Library CD classes

August 14: 1.30-2.30pm Austrom.  
August 15: 1.30-2.30pm Dialog.  
August 19: 1.30-2.30pm Austrom.  
August 20: 1.30-2.30pm Silverplatter.  
August 21: 5.30-6.30pm Dialog.  
August 22: 1.30-2.30pm UMI.  
August 26: 1.30-2.30pm Dialog.

ganised by the Department of Economics last month.

Competing teams were required to run a computerised model of the Australian economy which has several variables including monetary and fiscal policy.

Students studied the history of the economy and decided on policy options for each year for the next 10 years.

The teams were asked for their views on appropriate levels of government expenditure, income tax, sales tax and general interest rates.

Their decisions were fed into the

computer and each team received a score based on the 'health of their economy'.

The sum of these scores over 10 years determined the winner.

The final result was very close but the team from Bulli High School emerged as the winner with a model which encouraged enterprise and investment.

The competition is part of a national competition sponsored by Esso. Three thousand schools throughout Australia were invited to enter. The team from Bulli High School will now compete in the state finals.

## Public Seminar/Forum

*Healing Art - An Exploration of the Role of Creativity in Therapy, Health Care and Beyond*

University of Wollongong Creative Arts Music Auditorium  
Friday, August 23, 9.45am-4pm

Contributors include:

**Libby Woodhams** – The Quilt Project and non-verbal articulation of feeling and emotions related to HIV/AIDS  
**Ian McGrath, Jeff Kevin and 3rd Year Students** – Theatre as Therapy  
**Sue Piccoli and Gerry Hamilton** – Dementia and Creativity  
**Ainslie Yardley** – Integrating multi-media performances in psychiatric institutions

No charge for the seminar. \$2.00 parking fee if you come by car. Bring your lunch or purchase something at the canteen.

For more information, contact Peg McLeod, EEO Unit, ext. 3917.

## Department of Accountancy

August 16: Michael Metcalfe, University of South Australia, *Metaphors and management accounting*, Building 40, Room 224, 11am-12.30pm. Inquiries: Associate Professor Hai Yap Teoh, tel. 21 3625.

## Department of Biology

August 13: Dr David Ayre, *Conservation genetics of marine organisms: localised adaptation of clonal genotypes*.

August 20: Dr Jim Campbell, *Hormonal regulation of migration in crickets*.

August 27: Dr Roger Coles - to be announced.

September 3: Departmental meeting

September 10: Ms Fiona Mandelc (Graduate School Environment, Macquarie University) *The bottle-nose dolphin populations in Jervis Bay*

September 17: Dr M.J. Thompson (Department of Zoology, University of Sydney) *Physiology of reptilian eggs: comparison of contemporary and extinct species*

September 24: Dr Bill Sewell, Department of Immunology, St Vincent's Hospital - to be announced

October 15: Dr Andy Davis - to be announced

October 22: Professor Helen Garnett - to be announced

October 29: Dr Valerie Morris (School Biological Sciences, University of Sydney) *Early development of the endemic sea urchin *Holopneustes purpureus**.

November 5: Departmental meeting

November 12: Associate Professor Tony Hulbert, *Oils ain't oils- why cats eat meat*

November 19: Associate Professor Ted Steele, *Somatic hypermutation in antibody V-genes*

November 26: Dr Glenda Sullivan-Tailyour - to be announced

December 3: Associate Professor Rob Whelan - to be announced

Location: Lecture Theatre 35.G19 at 12.30pm - 1.30pm.

## Department of Business Systems

August 19: Dr Brian Henderson-Sellers, School of Information Systems, University of NSW, *Object-oriented analysis and design*, Kemira Room 4, University Union, 12.30pm.

## Department of Electrical and Computer Engineering

Staff/Postgraduate Research Seminars

August 12: Hao Hi, *Generation of depth maps using absorption in a coloured liquid*

August 19: James Andrew, *Sub-band coding of imagery*

August 26: David Irvine, *Resonant DC link inverter*

September 2: Mark Lesha, *Sub-surface radar*

September 9: Bronwyn Evans, *Robot controllers*

## Seminars

September 16: Juha Touminen, *Parallel manipulators in robotics*

September 23: Professor B. Bose, *Recent developments in power electronics and motor drives*

October 14: Dr B.S.P. Perera, *Finite element analysis of EM devices*

October 21: Dr F. Naghdy, *Ripeness measurement of soft fruits*

All seminars are held in room 35/G45 at 12.35pm. For further information please contact Philip Ogunbona on 3403.

## Department of History and Politics

August 14: Tony Mason, University of Warwick, *Reflections on a revolution? The political mood in wartime Britain*.

September 4: Anthony Ashbolt, *Prodigal sons and political amnesia: American radicalism, Jewish identity, Isreal*.

September 11: Steve Reglar: *Contradictions of state socialism*.

September 25: David Christian, Macquarie University, *Making sense of Perestroika - an interpretation of the Soviet experience*.

October 30: Eric Andrews, Newcastle University, *C W Bean and Bullecourt: film-making and historical research*.

All seminars take place at 5.30pm in Room 19.2043

## Department of Management

Postgraduate Research Seminars

August 16: Robin Horne, *Total Quality Management (TQM) and cultural diversity*.

August 23: Tony Naughton and Hai Yap Teoh, *Foreign exchange risk management*.

August 30: Professor Gerry Freed, *Longer term commercial threats behind the recession*.

All seminars will be held in building 40, room 130 at 12.30pm. For additional information contact Dr Muayyad Jabri (ext. 3647).

## Department of Philosophy Colloquia

August 16: David Lewis, Princeton, *Evil for freedom's sake*, Room 1034, Level 1, Building 19, 3pm.

August 23: John Quilter, Australian Catholic University, *Title of paper to be advised*, Room 1034, Level 1, Building 19, 2pm.

October 4: Justin Oakley, Centre for Bioethics, Monash University, *Title of paper to be advised*, Room 1034, Level 1, Building 19.

## Department of Physics

August 20: Professor Dr J M Spaeth, Fachbereich Physik, Paderborn University, Paderborn, Germany, *Non-stoichiometry defects in III-IV semiconductors*, Physics Lecture Theatre (18.118) 12.30pm

## Department of Psychology

August 20: David Roland, Canberra Institute of Arts, *Can psychologists help musical performers manage performance anxiety?* 12.30-1.30pm Building 19. Room 1056.

## Education Policy Program

August 16: Associate Professor Malcolm Harris, *Integration of management and motivation theory*.

August 30: Professor Russell Linke, *Performance Indicators in higher education*.

September 6: Associate Professor John Hedberg, *Information Technology and education organisation*.

September 27: Dr John Patterson and Mr Gregg Rowland, *Teachers and involvement in policy*.

October 18: Professor Carla Fasano, *Knowledge, ignorance and epistemic utility: Issues in the construction of indicator-system*.

November 1: Ms Nita Temmerman, *Perception of the music community about the role of the Australia Council Performing Arts Board*.

November 14: Mr Ian Brown, *Introduction of design education: Implication of educational policy*. All seminars will be held in building 21, room 101 at 12.30pm.

## Faculty of Education

August 19: Victoria Foster, author, *Different but Equal? Dilemmas in the Reform of Girl's Education*. 12.15-1.30 pm [Seminar begins at 12.30pm]. 21:101.

Coffee and tea provided. Enquires to Associate Professor Noeline Kyle, ext. 3374.

## School of Creative Arts

Research Colloquia

August 22: Anne Brennan, *Identity and Artefact*. Anne Brennan, a jewellery maker, also writes extensively on craft, personal experience and material culture.

October 31: *Studies in Contemporary Arts Practice and Performance in Australia*. Presented by members of the University research program: Diana Conroy, Ian McGrath, Sue Rowley, John Senczuk, Andrew Schultz, Peter Shepherd and David Vance.

All colloquia are held in Building 24, G01 - Music Auditorium from 4.30-6.30pm. Enquiries to (042) 21 3302.

Postgraduate Seminars for 1991 will be held on May 16, July 25, August 22, October 31. All seminars are in the Music Auditorium from 4.30-6.30pm

## National Health and Medical Research Council

**Biomedical Postgraduate Research Scholarships:** These scholarships are open to Australian citizens/permanent residents enrolled in a higher degree, preferably in the science field, to gain full time medical research experience. Holders of other scholarships will not be considered. University closing date 20 September.

## Australian Academy of Science

### Postdoctoral Fellowships in Japan 1992/93

Applications are called for research fellowships in any field of natural science, non-clinical medicine and engineering. Applicants should be Australian citizens, hold a PhD and not be more than 35 years of age.

### Postdoctoral Fellowships in the United Kingdom 1992/93

Applications are called for research fellowships in any field of natural science, mathematics, engineering science, non-clinical medical research and scientific aspects of psychology, archaeology and geography. Applicants should be Australian citizens, hold a PhD and not be more than 35 years of age. Applicants must also supply a copy of a letter of invitation from the host institution. The University closing date is 27 September.

## Advertisements

Due to the increased demand for this section, in future it will be available only to staff and present students. Anyone wishing to advertise must complete a form in Planning and Marketing, Administration Building. This advertisement will be run once. For a repeat it will be necessary to complete another form.

### WANTED TO RENT

Large one bedroom or medium-sized two bedroom flat with internal laundry and 1/u garage, for young working couple. Contact Geoff ext. 3010 or Karolyn ext. 4116.

### FOR SALE

Holden Kingswood Station Wagon - Auto-New motor. Premier trim - power windows - \$3,800 ONO. Helen, ext. 3843 or tel. (A.H.) 29 3309.

## Research Funds

*The sources of research funds given below are available to members of academic staff. Further information, including application forms, may be obtained from Lyndal Manton (ext. 3201). Intending applicants are reminded that all research applications must be forwarded through the Graduate Office.*

## Australian Institute of Sport

### Centre for Sports Science and Sports Medicine. Postgraduate Scholarships and Fellowships

Applications are called for the above fellowships and scholarships for 1992. One Fellowship in Sport Medicine (minimum of MBBS and experience in sports medicine) and four postgraduate scholarships in Biomechanics, Physiology, Applied Nutrition, Sport Psychology and Physiotherapy and Massage. University closing date is 20 September.

## Australia/New Zealand Foundation ANZAC Fellowships 1992

Applications are called from Australian citizens working in fields such as primary and secondary industry, commerce, education, the arts or public service to spend 3 -12 months in New Zealand undertaking research, training or further professional experience. The University closing date is 20 September.

## Lionel Murphy Postgraduate Scholarships 1992

3 Scholarships, tenable at any Australian institution to the value of \$12,500, are available for applicants who propose to study; the law and the legal system in a social context; science and/or law as a means of attaining social justice and human rights; and International law as a developing force for peace and as a means of achieving the rule of law in all nations.

Applicants must be Australian citizens and have completed an undergraduate degree. The University closing date is 11 October.

## Sugar Research and Development

## Corporation

**Preliminary Project Applications 1992/93** Preliminary project proposals are called for the 1992/93 round of grants. These must be submitted by 30 September.

## Postgraduate Scholarships

Applications are called for scholarships in several priority areas; all aspects of sugarcane; crop mechanisation and harvesting; aspects of unit processes and operations in raw sugar manufacture; carbohydrate chemistry, analytical procedures and methods appropriate to cane sugar; Farm extension and communication; Environmental impact and Farm business management.

Applicants should hold first class honours or upper second. Awards are for 3 years at \$20,000. The University closing date is 20 September.

## Bureau of Immigration Research

### Research Grants Annual Round

Applications are called for research funding that examines demographic, social, economic and environmental implications of Australian immigration policies. The University closing date is 20 September.

## The Australia-Japan Foundation

### Grants to undertake Language Training

Study grants are available for tertiary students, teachers of Japanese both in Australia and in Japan. Tertiary students must spend at least 3 months undertaking intensive language training in Japan. The grant of \$5,000 covers airfare, living costs and tuition. Teachers of Japanese can undertake a summer vacation course of language training in centres around Australia to assist with upgrading and maintenance of language proficiency. Grants are available for intensive language study in Japan for teachers for 2 months over the summer break. Preference is given to teachers who have a substantial teaching load in Japanese. The University closing date is 19 August.

## Dept of Primary Industries and Energy

### Rural Access Program

*Continued page eight*

■ The Department of Creative Arts is holding two free public exhibitions this month. The first, running until August 18, is called Wild West Show. This exhibition features work by West Wollongong TAFE art staff. The official preview will be on August 1 from 7-8.30pm. The second exhibition, featuring work by Gowri Nayak and Gillian Broinowski, will run from August 22 to September 8. This exhibition will be opened by the High Commissioner of India, A.M. Khaleeli, on August 21 at the preview from 7-8.30pm.

■ Agenda deadlines for meetings of the University's ethics committees are: Human Experimentation Ethics Committee: September 1, October 27 and December 7. Biosafety Committee: September 1.

■ The Colorado College New Music Ensemble is playing in the Music Auditorium tonight at 7.30pm Tickets: \$10 and \$5 concession. See 10 pianists and one piano!

■ The School of Creative Arts Art of Lunch program includes: August 15: A presentation by jeweller Anne

## What's On

Brennan, artist-in-residence. August 22: Performer-in-residence, American pianist Roman Rudnytsky gives a recital of music by Brahms, Villa-Lobos, Albeniz and Liszt.

■ **Open Day - Sunday August 25.**

■ **Postgraduate Open Day 1991** will be held on September 6. The purpose of the day is that members of the University community can learn about the range and quality of research being conducted on campus. Emphasis will be on either poster/display or short oral presentations. It is expected that only 10 oral presentations will be held. Information: Denise Stevens in Academic Services.

■ **A concert of outstanding musicians** of the School of Creative Arts' music strand, calling themselves Wollongong Sinfonia, will be held on September 7 at 7.30pm in the Music Auditorium. Works include Beethoven, Mozart,

Bach, Grieg, Faure, Bizet and Verdi. Admission is \$7 for adults and \$4 for pensioners or students. Children are free. Bookings: tel. 28 8964

■ **The Australian and New Zealand History of Education Conference** will be held at the University of Wollongong, from October 3-6. All papers will be presented in the Kemira rooms and Union Board Room. The ANZHES Conference invites papers on the theme of biography and autobiography in the history of education. For more information contact Associate Professor N.J. Kyle, ANZHES Conference 1991, PO Box 1144, Wollongong, NSW, Australia 2500.

■ **Graduation Ceremonies - October 10-11.**

■ **A course to give science professionals confidence in dealing with the media** is being held from September 10 until October 19. Communicating Science Through the Media is being held at the University of Technology in Sydney. The cost is \$825. Inquiries (02) 281 8563.

Grants for improving rural communities access to services are now available for 1992. Projects promoting education and training, employment, social, health or other services will be supported by the Program. A minimum of \$500,000 has been allocated for projects targeting women. Preference is given to small projects costing \$10,000 or less. The University closing date is 13 September.

### American Association of University Women International Fellowships 1992/93

Applications are called for women wishing to undertake one year of graduate study or research in the United States. Preference is given to women with prior commitment to improving the lives of other women through civic, community or professional work and whose study or research proposals show interest in the advancement of women. The University closing date is 15 November.

Publications received at the Gradu-

ate Office: CSIRO Research 1990/91: Directory of CSIRO Research Programs.

### Previously Advertised Closing Date

The British Council	
Travel Grants	Any Time
Australian Academy of Humanities (Publication Subsidies)	Any Time
Clive and Vera Ramaciotti Travel Grants	Any Time
Criminology Research Grants	Any Time
Harkness Fellowships (USA Travel and Study)	August 16
Multiple Sclerosis Society Postgraduate Scholarship	August 16
Nuffield Foundation Fellowships 1992	August 30
AFUW Queensland Inc Scholarships	September 20
Bilateral Science and Technology Collaboration Program	September 20
Drug and Alcohol Research Centre (Syd Lovibond Prize)	September 20
Postgraduate Research Awards	October 31

## Stop Press

### Staff forum on today

**THE next staff forum to discuss matters important to the development of the University will be held today (August 14) at 12.30pm.**

**This forum will discuss equal opportunity and affirmative action issues relating to female staff.**