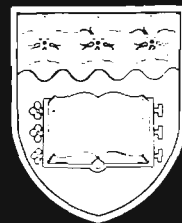


# THE UNIVERSITY OF WOLLONGONG

# CAMPUS NEWS



26 June 1990



**Vice-Chancellor and  
Deputy Vice-Chancellor  
take leading roles  
in Australian higher  
education**



## **Professor Ken McKinnon elected AVCC President**

THE VICE-CHANCELLOR, Professor Ken McKinnon, has been elected unanimously as President of the Australian Vice-Chancellor's Committee (AVCC). Professor McKinnon will succeed the current AVCC Chairman, Professor Brian Wilson, Vice-Chancellor of the University of Queensland, from January 1 next year for a two-year term.

A former Chairman of the Commonwealth Schools Commission and the Australian Commission for UNESCO, Professor McKinnon was elected Deputy Chairman of the AVCC only this year. He is known for speaking out on major issues and for his skilful negotiations in higher education and government circles.

Under his leadership the University of Wollongong has emerged as a pace setter for modern universities with enviable achievements in the growth of research activities, university/industry interaction and the development of highly skilled graduates with imagination, flair and initiative.

Professor McKinnon is a member of the

International Development Program Board, has forged strong international links both for his university and the higher education sector. He has been a major force behind AARNet, the high-speed academic research computer network now linking university researchers with their colleagues throughout Australia and overseas. He is also Chair of the AVCC Standing Committee on Educational Television.

In welcoming the appointment, Mr Frank Hambly, AVCC Executive Director, said, 'The higher education sector has been through tremendous upheavals in the past two years under the Minister for Employment, Education and Training, Mr Dawkins. Professor Wilson and Professor McKinnon have proved an effective team in negotiations to maintain academic quality in the Australian higher education sector in the period of the Dawkins' reforms.'

The AVCC, which currently represents 26 universities, is expected to have a membership of some 35 institutions by January next year. Professor McKinnon will be the first president of a new, expanded AVCC representing the whole of the higher education sector in Australia.

## **Professor Chubb to head Higher Education Council**

PROFESSOR Ian Chubb has been appointed as the new Chair of the Higher Education Council of the National Board of Employment, Education and Training (NBEET). Professor Chubb replaces Dr Gregor Ramsey, who was appointed Chair of the National Board in February.

Discussing the appointment, John Dawkins, Federal Minister for Employment, Education and Training, said: 'Professor Chubb will bring very wide experience to the position as an educator, researcher and administrator in the higher education sector.'

Since 1986 Professor Chubb has been Deputy Vice-Chancellor and Professor of Biology at the University of Wollongong. Before that he was an Associate Professor and Lecturer in Human Physiology at Flinders University, South Australia; Foundation Secretary of the Australian Neuroscience Society and executive

*continued on page 2*

## News from Council

### ROBERT SOMERVILLE, AM TO MEMBERSHIP

- Under the 1989 Act, Council has the authority to appoint a member to its ranks. At its June 8 meeting, Council elected Mr Robert Somerville, AM, to this position. Mr Somerville is a former principal partner in one of Australia's leading law firms. He is presently Chairman of the Australian Broadcasting Corporation, the Australian Space Board and British Aerospace Australia Limited. He also holds a number of other important director-ships. Mr Somerville's term of office runs for four years and begins on July 1.
- Council agreed unanimously to re-appoint Professor McKinnon for a further five years from 1 January 1991 and commended him on his outstanding record and success in leading the University to its position as a vigorous, innovative and widely respected institution.
- Council approved the advertisement for the position of *Deputy Vice-Chancellor*. Professor Chubb was leaving the University to take up the Chairmanship of the Higher Education Council in Canberra. On behalf of Council, the Chancellor thanked Professor Chubb for his great contribution to the University and fresh approach to its management.
- Council also farewellled Professor Ron King who was relinquishing his ex officio Council membership as *Chairperson of the Academic Senate* as he was not standing for re-election. Council

commended him for his fine representation of the academic community and wished him well.

- The proposals for *Research, Postgraduate Programs and Graduate Schools* were endorsed for immediate implementation. These form the second part of the University's Research Management Strategy. The first part, implemented during 1989, concentrated on the effective management of academic staff research and resulted in the formation of over 30 research programs. The aim of the second part is to organise postgraduate courses on offer more effectively.
- *The Code of Practice - Supervision* was approved. It applies to postgraduate and other degrees with a significant research thesis component. An information booklet will be distributed throughout the University.
- Council approved the introduction of an *Alternative Admission Scheme* for the top ten per cent of students in NSW and ACT high schools. Students must still complete the HSC and apply for admission through the UAC.
- The 1989 *Equal Employment Opportunity Annual Report* for 1989 was approved.
- The conditions for the various categories of *Fellows* within the University were rationalised into a common category. Appointments may be made for either teaching or research purposes and may be full-time, Honorary or Visiting. Fellowships will not be tenurable.

- The *Academic Committee Structure Document* was amended to reflect the reduction in the size of Council and thus the limited capacity of the members to serve on a wide range of committees and to make more efficient and effective the function of various key University committees such as the Planning and Development Committee.
- Council received the *Annual Reports and Financial Statements* from the *University Union* and the *Students' Association*.



The Department of Chemistry said farewell on Friday June 15 to Dr Julie Marcantonio, a visitor from the University of East Anglia, pictured here with PhD student Andrew Wood

## ... leading roles in higher education

continued from page 1

member of the Federation of Australian Scientific and Technological Societies, and a member of the Standing Committee on Research of the Australian Vice-Chancellors' Committee. Professor Chubb was also a member of the Task Force which in 1989 advised Mr Dawkins on amalgamations of higher education institutions.

For the past two years Professor Chubb has assisted the Higher Education Council as a consultant in the Council's educational profiles negotiations, and has been involved in work on institutional performance indicators and research infrastructure.

The Vice-Chancellor, Professor Ken McKinnon, said, 'Professor Chubb is a very good appointee to the HEC Chair-

manship. While the campus community will be very sorry to see him go I am sure there will be general agreement that he has done a first-class job here and that the Federal authorities are lucky to get him.

'For my part, I must say that he has been an outstanding colleague. He is an enthusiastic, energetic and intelligent innovator and he has a great capacity to engender team work and co-operation using insight, forcefulness and charm. All in all, he has played a leading role in building the reputation of the University. I hope he hasn't gone for good.'

Professor Chubb will take up the position of HEC Chair early in September for a five-year period.

*Campus News* is published weekly on Tuesday during the academic year — with breaks at Easter and Queen's Birthday 'long weekends'

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# Wollongong University shares in microwave research grant

THE MICROWAVE Applications Research Centre (MARC) is to combine with the CSIRO Division of Applied Physics and the University of Technology, Sydney, School of Electrical Engineering, in a \$500,000 Commonwealth Grant for the use of microwaves in industry.

The research project will aim to develop a new and advanced process using microwaves for the cost effective production of rare-earth/transition metal alloy, used in the manufacture of high-strength 'super magnets' and other industrial components.

The project grew out of the original work of Professor Howard Worner on the use of microwave energy for the smelting of metals. The successful applicants for the project are Dr Doug Bradhurst, Director of the Microwave Applications Research Centre, Dr John Cook, of CSIRO, and Professor Rod Belcher of the University of Technology. The commercial collaboration is with Muswellbrook Energy and Minerals Limited.

The grant has been made by the Depart-



*In the Microwave Applications Research Centre are, left, Mr Jeff Jones, Research Metallurgist and Mr Doug Bradhurst, Director of the Centre*

ment of Industry, Technology and Commerce for the development of new materials under the generic technology component of the Grants for Industry, Research and Development (GIRD) scheme. Generic technology grants are designed to support new or emerging technologies considered fundamental to the future competitiveness of Australian industry.

behalf of AEAC, a cheque for over \$150,000 being the final progress payment for the system. The system was built in Wollongong, largely by Wollongong graduates, and is the first of its kind anywhere in the world. QANTAS deserve a great deal of credit for supporting the design and manufacture of such a major project in Australia. This demonstrates, yet again, that there is no need to go overseas for modern technology. Congratulations are extended to those involved for persevering with the project for an intensive two years and overcoming many technical obstacles that often seemed insurmountable.

The original concept was developed in close collaboration with QANTAS, and considerable attention has been paid to training QANTAS operating and maintenance staff on the system well before its installation on-site. Much of this training was conducted by the Australian Training School for Advanced Manufacturing, also a Wollongong University Company, which specialises in training operators and tradespeople in industry.

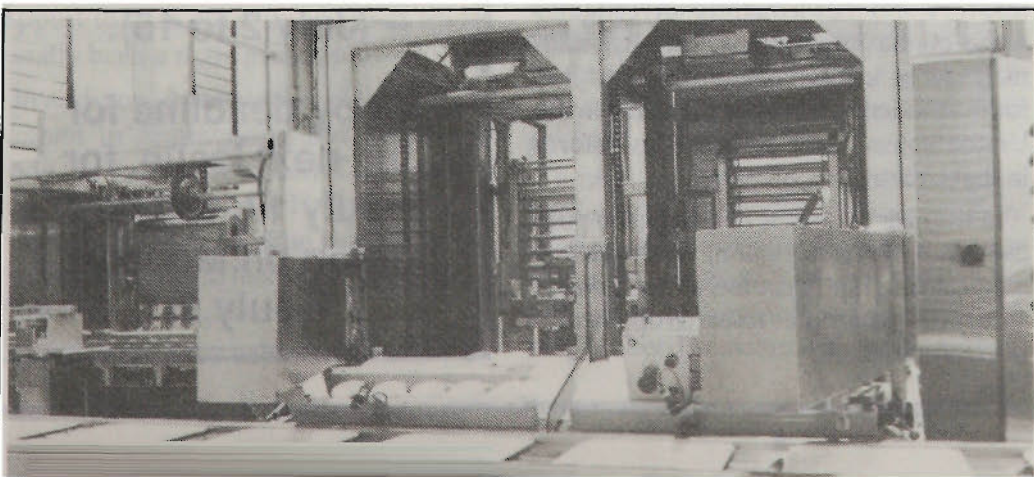
There has already been considerable interest from overseas airlines and QANTAS and AEAC are now jointly actively marketing the system both domestically and internationally.

## Major industrial automation world-first

THE AUTOMATION and Engineering Applications Centre (AEAC), a University Engineering Company founded by Professor Chris Cook, of the Department of Electrical and Computer Engineering, has recently completed the installation of a major automation system at QANTAS.

The system consists of nine interacting computer-controlled machines which prepare trays of meals used on QANTAS's 747 and 767 aircraft.

On May 29, at an informal ceremony held at the QANTAS Flight Catering Centre at Mascot, Chris Cook accepted, on





# New faces in Geography

**Fulbright Scholar joins academic staff; and winner of Australian European Award Program Scholarship winner here, in Wollongong, until next March**



Two new members of the Department of Geography, Monica Mulrennan and Iain Hay

**DR IAIN HAY joins Department with plans to develop a medical geography course and investigate social geographic research opportunities in Australia**

Dr Hay has been appointed as a Lecturer in the Department of Geography. Usually focusing on issues of health care provision, his academic work has implicitly investigated the spatial and social creation and consequences of power and influence.

Iain was born and raised in New Zealand. His university studies began in 1978 when he joined the Royal New Zealand Air Force (RNZAF) as a University Officer Cadet. This program required study towards a degree at the University of Canterbury. After satisfying the requirements for a Bachelor's degree in Human and Physical Geography, Iain was commissioned as a Flying Officer and transferred to RNZAF Base, Auckland. There, he also studied Sociology part-time at Auckland University. This work was abruptly interrupted by a car accident towards the end of 1981.

Following his resignation from the RNZAF in 1982, Iain completed a First Class Honours degree in Geography at Canterbury and accepted a position as a Junior Lecturer at Massey University,

Palmerston North. While working at Massey, he completed a Master of Arts degree which was published in 1989 by Oxford University Press under the title *The Caring Commodity. The history of health care in New Zealand*.

In 1985, a recruitment offer, a Fulbright Scholarship, and the prospects of an 'over-seas experience' lured Iain from New Zealand to the University of Washington, Seattle, where he worked on a PhD which was completed in December 1989. The dissertation was entitled *Lo(osing) Control. Money, Medicine, and Malpractice in American Society*.

This work first outlines post-WWII conditions which drew US physicians into very close association with medical malpractice insurers and subsequently investigates some of the implications the physician-malpractice insurer relationship has had for the modern practice of medicine in the United States and for recent tort law reform in that country.

In the near future Dr Hay hopes to publish from his dissertation, to develop a medical geography course, and to investigate social geographic research opportunities in Australia.

**COASTAL RESEARCH specialist and holder of the Australian European Award's Program Scholarship, Dr Monica Mulrennan plans work on the New South Wales coastline**

Dr Monica Mulrennan from Co. Wexford, Ireland, is one of the recent additions to the Department of Geography. Monica is this year's holder of the Australian European Award's Program Scholarship and will be here in Australia until March 1991.

Dr Mulrennan was recently conferred by the National University of Ireland with her Doctorate in Geography, specialising in coastal research. Her PhD research involved extensive investigation into the long-term evolution and short-term dynamics of the barrier-beach complexes of the north County Dublin coastline.

During her stay in Australia, Dr Mulrennan will be working with Dr Colin Woodroffe, of the Department of Geography. She will be based in Darwin for several weeks during which time she will be investigating the geomorphological dynamics and evolution of the coastal and estuarine systems of the Mary River in the tropical-monsoonal environment of the Northern Territory.

Dr Mulrennan hopes to spend some time working on the estuarine environments and coastal barrier systems of the New South Wales coastline. Her year with the Department of Geography should provide plenty of opportunities for her to travel and see much of Australia. Already Monica has been involved in several departmental field trips in addition to spending two weeks working in the Channel Country with Associate Professor Gerald Nanson during the recent record-breaking floods.

## Campus News

**Campus News  
will not  
be published  
during the recess  
(July 2 to 15).**

**Copy deadline for  
the next issue, for  
July 17, will be  
noon on Monday  
July 9**





Bursaries were awarded to, from left, Elisabeth Hoggan, Donelle Watt and Mirien Herceg

## More women in engineering

### Bursaries presented at information evening

FEMALE high school students were invited to consider the profession of engineering as an interesting and viable career choice at a women in engineering information evening on July 13.

Invitations were extended to female students, parents and School Careers Advisers from high schools within the Illawarra and surrounding districts, including Moruya. The evening provided an opportunity for students to hear from women who have become professional engineers and how they incorporated their interests, skills and abilities into the profession.

Participants included female professional engineers, engineering students currently at the University and a representative from the WIEN (pronounced wine) – Women in Engineering Network – on campus, which provides a conventional environment for girls to provide support to each other in what has traditionally been a male profession.

In addition, presentation of the annual Women in Engineering bursaries was made to the girls from each Department who obtained the best HSC mark and who enrolled as a full-time student in the first year of a course leading to the degree of Bachelor of Engineering.

The bursaries are valued at \$500.

## The statistical package GENSTAT

GENSTAT was purchased by the Mathematics Department through funds raised from statistical consulting, and has now been installed on the Sequent computer. Ken Russell used it extensively during his two years in Melbourne, and (after a small time interval to get back into practice) will be the 'local expert'.

GENSTAT is a general statistics package written at Rothamsted Experimental Station in England. It has many attractive features (to a statistician, at any rate), and is used very widely within Australia and the British Commonwealth.

Its attractions include excellent procedures for the analysis of designed experiments with univariate data, very good regression facilities (including facilities for nonlinear regression, and the Generalised Linear Models which had to be analysed with GLIM previously), commands for use in time series analysis, a range of commands for Multivariate Analysis, and other features.

It must be pointed out that this is not a package for novices and that much of its use will occur when statisticians carry out analyses for clients. The role of the client will be to understand and interpret the output after discussion with the consultant.

## International conference on manufacturing engineering

AS INDUSTRY restructures, experts are developing new solutions to manufacturing planning, technology, quality improvement and research and development. Wollongong University has an international expert in manufacturing engineering – Professor Günter Arndt, a European-born expert in Japanese manufacturing systems. Professor Arndt will host an international conference on manufacturing engineering to be held at the University from July 11 to 13.

Over 100 technical papers will be presented to over 200 delegates from all over the world. Senator John Button and professors from Japan and West Germany will be keynote speakers. World-class applications of robots will be demonstrated, giving a glimpse into the future for factory workers.

## Conservatorium of Music

*Workshops for teachers, educators, professionals and executives*

**Creative Communication Workshop for executive and professional people**

HILARY DE HAVILLAND, Assoc. Trinity College London, BA Majoring in Drama and English (University of NSW) Lectures in Communications and Psychology

Saturday and Sunday July 14 and 15, 9 am to 5 pm both days

Registration fee \$100

**Performance Anxiety Workshop**

DAVID ROLAND, Resident Consulting Psychologist, Australian National University and Canberra Institute of the Arts

Date to be advised

Registration fee \$40

Enquiries and application forms for the workshops can be obtained by telephoning Adell Smith or Merrill Powell, Conservatorium of Music, (042) 28 1122 or (042) 27 0533.

# Australasian Society for Cognitive Science to meet in Wollongong

THE NSW State Branch of the Australasian Society for Cognitive Science will hold its inaugural meeting at the University of Wollongong on Thursday July 5 in Pentagon 5.

The formal program is scheduled to run from 2 to 6 pm; please put this event in your diary. There will be a good range of topics covered in four scheduled papers and a general discussion:

- 2 pm Professor Stephen Redman, neurophysiologist from the John Curtin School of Medical Research, will be speaking on *Hebbian Synapses in the Hippocampus: Are they Relevant to Memory?*
- 2.30 pm Dr Tom Osborn, from UTS, will be speaking on *Teaching of Boltzmann Machines with Local Inhibition.*
- 3 pm Panel discussion *Teaching Cognitive Science*
- 3.45 pm afternoon tea

- 4 pm Associate Professor Peter Burton, from UOW, will be speaking on *The Origin of Consciousness.*
- 4.30 pm Professor Terry Caelli, cognitive scientist from the University of Melbourne, will talk on the question of representations *Neural Networks or Symbols or Both.*
- 5 pm General discussion (drinks)
- 6.30 pm Dinner

During the afternoon program, the panel discussion will be about content and teaching strategies for cognitive science programs in general, and the new program proposed for introduction at the University of Wollongong from 1991 in particular.

It may also be appropriate, towards the close of the meeting, to attempt to formulate a co-operative strategy for the universities represented in teaching and research in cognitive science with a view to forming a proposal for one of the new National Co-operative Research Centres to be estab-

lished in the cognitive science area.

A recent proposal from Boeing to discharge some of its offsets obligations in Australia is that it establish supercomputing facilities served by the new AARNET communications for the Australian research community. Both Cray and Connection machines have been mentioned as possible components of the network.

It is my belief that the University of Wollongong would serve as an excellent location for Australia's first 'Connection Machine' from Thinking Machines Corp. in Boston.

With 64,000 processors operating in parallel, linear performance scaling is achievable in Matrix algebra applications common in science and engineering, and a great deal of work has been directed to tailor knowledge engineering tools to this massively parallel computational environment. At \$6m we would have little prospect otherwise of installing such a machine even though it would be so useful in applications, simulations and numerical experimentation, without co-operation from many groups of potential users. Perhaps especially in the computationally intense neural computing area, a connection machine would be ideal as the testbed for new developments.

Contact: ASCS Secretary Peter Burton tel. (042) 27 0505, email: pgb @wyvern.cs.uow.oz.au).

## scarp – a new format

IF YOU'Ve read *scarp* recently, you will know how successful we have been in attracting first-class poetry and prose fiction from all over Australia and recently also from America. Writers whose work we have carried include Marvin Bell (USA), Rodney Hall, Susan Hampton, Manfred Jurgensen and Graham Rowlands.

We now want to build on that success by increasing the range and quality of the original art work we carry, and by developing the magazine as a forum for discussion on all aspects of the arts and literature.

We are therefore developing a new format. From *scarp* 17 onwards, we will use an A4 landscape format and 110gsm art paper. It will be perfect bound, with a screen-printed cover. These changes will enable us to give larger and finer reproductions of black and white art work and photographs, and will give us the space to print articles, interviews and reviews on a wide range of

literature and arts topics. Your assistance in this process will be most welcome. Please consider *scarp* as a sounding board for your ideas and as a vehicle for your creative work. Send us your ideas, articles, transcripts of interviews, reviews of recent

books, interviews and performances. The new *scarp* will be lively, stimulating, visually exciting. We invite you to help make it so. Deadline for *scarp* 17 for all submissions is August 24.

Ron Pretty, Editor

## Subscription to *scarp*

The Editor, *scarp*, School of Creative Arts, The University of Wollongong, PO Box 1144, Wollongong, NSW 2500.

Please send me a copy of each of the next \_\_\_\_\_ issues of *scarp* at \$5 a copy, beginning with *scarp* no \_\_\_\_\_

I enclose cheque/money order for \$ \_\_\_\_\_ made out to *scarp*.

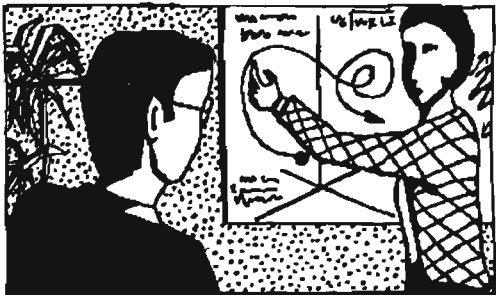
Two issues (one year subscription) \$10; four issues (two year subscription) \$20

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Post code \_\_\_\_\_





## Staff Roundup

### General staff award restructuring and closing of reclassification applications

AGREEMENT has been reached in the Federal Industrial Relations Commission for the payment of a second three per cent wage variation for general staff.

Essentially, the agreement proposes a new simplified classification structure for general staff with eight or nine levels. Draft criteria for each level have been formulated, as have provisions dealing with a variety of other issues such as training, qualifications and incremental progression. Translation of existing staff on to the new

scales is scheduled to occur by the end of this year.

There are still outstanding issues relating to procedures for classifying positions and appeal processes which need to be finalised within the next six months. Staff will be advised of these developments as they come to hand.

One major consequence of the agreement is that the existing job-related criteria for classifying positions are no longer applicable. As a result the reclassification process currently available for general staff has been suspended and no further applications will be accepted.

It is anticipated that this situation will not continue beyond the end of this year, but it may be that as a consequence of the award restructuring negotiations and the University's proposals for an improved classification system, a different system will operate from 1991.

The personal promotion system which is in place for some administrative assistants will continue to operate, but the University, in conjunction with the PSA, will be carefully monitoring the direction of the restructuring negotiations to ensure that our procedures do not come into conflict.

Queries to Chris Grange (ext. 3929) or Peter Maywald (ext. 3798).

## University Home Based Vacancy

What is Home Based Care? It is:

- a child care service available to students and staff of Wollongong University,
- the provision of supervised child care and education in a selected home setting,
- reliable caregivers who look after up to five children (including their own) from birth to school age in their own homes.

We have child care facilities in our Home Based Care Scheme. If you need child care for the spring session, or for 1991, why not drop in at Kids' Uni, Building 10, or call Trudy or Robyn on 27 0072, to find out more information about the service or to pick up an application form.

Child Care Services provide:

- full-time care
- regular, part-time care
- holiday care
- emergency care
- before and after school care.

Fees are means tested.

Our aim is to provide quality care and education for your child, so ACT NOW!

## 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 Office of Postgraduate Studies.

### Wool Research and Development Council (Australian Wool Corporation)

#### Grants for Production Research

Preliminary submissions are being called for in the area of wool production research. There is a new system of project assessment and for further detail contact the Office of Research.

The University closing date is July 20.

### APEX Foundation Research into Mental Retardation Ltd

#### Research Grants

The Foundation is inviting applications in any discipline concerned with the causes, diagnosis, prevention or treatment of intellectual disability and allied conditions. Grants will be in the vicinity of \$20,000 to \$25,000.

The University closing date is July 20.

### Studentships

Three undergraduate studentships are on offer to the value of \$1,000. Students must be preparing a thesis relating to intellectual disability as part of their studies.

The University closing date is July 20.

### Public Health Research and Development Committee

#### Fellowships and Scholarships

PHRDC is offering fellowships and scholarships for training in public health research.

Fellowships are in the range of \$23,414 to \$41,841 and may lead to a further degree. Scholarships are offered at \$18,877 and can be for up to 3 years (PhD).

The University closing date is June 22.

### Commonwealth AIDS Research Grants Committee

#### 1991 AIDS Research Training Awards

Four categories of awards are on offer: Training Development Awards, Traineeships, Postdoctoral Fellowships and Postgraduate Scholarships. All of these awards are to train researchers in the field of AIDS research.

The University closing date is August 3.

### Economic Development Institute (World Bank)

#### Robert S McNamara Fellowships

This fellowship is for 12 months' post-graduate research in areas of economic development. The award budget is a minimum of \$25,000 up to \$40,000.

The University closing date is October 12.

Previously Advertised	Closing Date
Australian Academy of Science	
International Exchanges	various dates
Arthritis Foundation of Australia	July 20
Worksafe Australia Research Grants	July 20
Adolf Spivakovsky Scholarship	July 27
RADGAC - Intellectual Disabilities and Carers Research Grants	August 3
St John's College, Cambridge, Benians Fellowship	August 18
Nuffield Foundation Fellowship	August 31
Harkness Fellowships	August 31
CSIRO Postdoctoral Awards	September 7
Corpus Christi College Visiting Fellowship	September 14
Sir Harry Gibbs Prize (Forensic Science)	September 28

## Seminars

### Equity in Education program

Meetings will be held in room 12.104 at 4.30 pm.

The Equity in Education Program is holding a regular set of meetings which will include reports from research projects. These reports will focus on the research process (specific problems, research design and so on) and aim to provide a forum for sharing research experiences and exchanging ideas. They will not be formal presentations – the emphasis will be on interaction and discussion with colleagues. Researchers outside the program are invited to attend to foster interdisciplinary research and scholarship as well as to facilitate information exchange. The regular Equity in Education Program meeting is scheduled for 4 pm on each of these days and members/associate members are asked to be in attendance at this time.

**Thursday July 12:** Jan Wright, *Gender and gymnastics*

**Friday July 27:** Deslea Konza and Ron King, *Cognition and IM students*

**Friday August 10:** Noeline Kyle, Ron King, Jan Wright and Jan James, *Women and non-traditional study at the University of Wollongong*

Enquiries to Associate Professor Noeline Kyle (042) 27 0374 or Ms Jan James (042) 27 0078. Coffee/tea provided.

### School of Learning Studies

Gender and Education Unit

Seminars are held in Building 21, room 104 at 4.15 pm on Fridays (unless otherwise indicated)

**July 20:** A. Wonghkalaung, PhD student, SLS, *Adolescent girls and teenage pregnancy: a view of sex education in schools*

Enquiries to Associate Professor Noeline Kyle (042) 27 0374 or Ms Jan James (042) 27 0078.

### Department of Materials Engineering

Seminars to be held jointly with the Wollongong University Student Chapter of the Metallurgical Society on Tuesdays from 4.30 to 5.30 pm in Room 1.134 (unless otherwise specified).

Spring Session

**July 17:** Dr R. Smith (BHP SPPD), *Slab casting*

**July 31:** Dr D. Willis (BHP CPD), *The metallurgy and technology of continuous casting*  
Enquiries to Associate Professor D. Dunne 27 0014.

## WOMEN'S ISSUES GROUP

The next meeting of WIG will be held at 7.30 pm on Tuesday June 26 in the Board Room of the Union Building.

### Program

#### Old Fashioned Feminism

Speaker: Dr Winifred Mitchell

Refreshments and a door prize

#### How I Became a Student of the Bagpipes!

Speaker: Ms Miranda Baker

All Welcome

Arrangements for the meeting made with the assistance of The Friends of the University.

Enquiries to Moira Bowman, telephone 843741.

### Illawarra Committee for Overseas Students

ICOS has organised two coach trips to the Snowy Mountains for overseas students in July.

**Trip A:** two days July 11 and 12. The cost, \$90 for non-sponsored students, \$50 for sponsored students (tickets are non-refundable), includes transportation, one night shared accommodation at Berridale Inn, one hot dinner, bed and breakfast.

**Trip B:** Ski express (one day) Saturday July 28. The cost: \$30 for non-sponsored students, \$15 for sponsored students, \$10 for children aged 4 to 12. The deadline for obtaining tickets is July 13.

Details and tickets from the ICOS office in the Union building, next to the Careers and Appointments Service, on Tuesday, Thursday and Friday from 9.30 am to 2 pm. Tel. 27 0158 or ext. 3158.

### Notice to contributors

The Editor welcomes contributions to *Campus News* but asks authors to remember that, where possible:

- photographs should be black and white, and
- copy of over, say, 200 words and prepared using Microsoft Word and a Mac, should be submitted on 3.5" disc. Discs will be returned immediately.

### No statistical consulting service next week

AS MOST statisticians will be attending a statistical conference in Sydney next week (July 2 to 6), the Statistical Consulting Service will not operate during that period. Messages for the Service may be left with the Secretary of the Mathematics Department.

Your are reminded that the Service is available to academic staff and research students requiring assistance with statistical problems. Initial contact should be made at the planning stages of your investigation.

Enquiries and requests for appointments should be directed to Dr Ken Russell (ext. 3815). Research students must be accompanied by their supervisors to the first consultation.

## Advertisements

### FOR SALE

Four-drawer varnished pine chest of drawers, as new, \$200 or best offer. Tel. 27 0382.

### TO RENT

Student, non-smoker, to share three-bedroom house. Rent \$45 a week plus share of gas and electricity bills. Tel. Mr A Leech on 71 5649 after 5 pm.