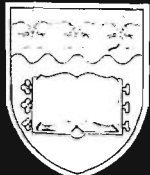


# THE UNIVERSITY OF WOLLONGONG



# CAMPUS NEWS

Distributed each Tuesday

Deadline for copy noon Monday  
of previous week

Editor: George Wilson, Tel. (042) 270926

4 October 1988

## Supermap acquired by Department of Geography

The latest in computer technology for the analysis of Australian census data has been acquired by the Department of Geography at The University of Wollongong. The system, known as 'Supermap', contains all the Australian census data for 1981 and 1986 on one compact disc. At the touch of a button, Supermap can extract census data on, for example, employment, age group, birthplace, income and housing. It can produce and print this information for any area in Australia from Commonwealth and State down to postcodes and collectors' districts. The system also has the capacity to produce maps of the data both on screen and on paper. Later this year agricultural data, the retail census, and a number of other databases will become available.

The Supermap system runs on an extremely powerful micro-computer linked to the compact disc and a colour printer. It was acquired by Professor Murray Wilson in connection with the 'Healthy Cities' project, and will be used to link census data with health data. It also has many other uses in research, planning and teaching. Although the system has been operational only for a few weeks it is already being extensively used, and aroused considerable interest when it was demonstrated to the public at Open Day. The Geography Department has received inquiries from local businesses and schools requiring specific information. An exciting possibility which is being explored is the collaborative use of the system between local planning authorities and the Geography Department.

*In the Department of Geography with the new Supermap is Dr Hilary Winchester, a relative newcomer to The University of Wollongong. Dr Winchester was previously for a brief period at The University of New England and before that at the Plymouth Polytechnic. She studied for her doctorate at Oxford*



# General Notices

## Look out for your car

### Spraying of Insulpaint on roof of building no. 36 — Administration Building

Work will begin on the application of Insulpaint to the roof of the Administration Building during the period October 6 to October 11, both dates inclusive (as well as the weekend of Saturday and Sunday October 8 and 9).

During the application of the paint, and depending on wind direction, there is a risk that cars parked in the Administration car park to the east and the University vehicle car park to the north of the building may be coated.

You are therefore advised not to park in these car parks during the period of application of the paint. Otherwise, you do so at your own risk.

The University and the paint applicator will not be responsible for paint damage to any car parked in these areas on these days.

M.S. Wong  
Buildings and Grounds Branch

### Mathematician Key Software Developer for award-winning design

At the recent inaugural National Engineering Excellence Awards of the Institution of Engineers, a punch press known as the QUTEC 60 CNC won the Engineering Products Division. In a joint development between the Queensland Institute of Technology and Universal Engineering a machine was developed, needing only preventative maintenance, and competitive in overseas markets.

An estimated 200 machines will be sold in the next five years, according to the journal, *Engineers Australia*, and could provide the School of Mechanical and Manufacturing Engineering with royalty payments of up to \$1.5 million.

The key software developer for the computer control element was Dr Ross Paull, a mathematics PhD of the University of Queensland. Dr Paull is now the computer and software developer for Universal Engineering Development Company (in Archerfield, Queensland), set up to produce and further enhance the QUTEC 60 CNC. Renault of France is interested in marketing the press in Europe.

Dr Paull is remembered for his research into the aerodynamics of sails during a period spent in the Department of Mathematics at Wollongong University.

### Sino-Australian Workshop on Engineering Computation (SAWEC)

October 19 at The University of Wollongong  
Administration Building, Room 303.

Organised by Wollongong Uniadvice Limited, 49 Northfields Avenue, Wollongong. Telephone 27 0956 or 27 0076.

October 19, 9.30 am — 12.30 pm.

1. An outline of construction technology in China.  
Professor Fu Zizhi, Beijing Petroleum Design Institute.
2. Development of high-rise building in China.  
Senior Engineer Wang Huansheng, Institute of Urban Housing Design — Guangzhou.

3. Engineering blasting technology in China.  
Senior Engineer Di Jianhua, Chinese Society of Theoretical and Applied Mechanics.  
October 19, 1.30 pm — 4 pm
  1. Methodology in computational mechanics and its development in China.  
Professor Gong Yaonan, Beijing University of Aeronautics and Astronautics.
  2. Application of expert systems in structural analysis and design.  
Associate Professor Huang Jinzhi, Shanghai Jiao Tong University.
  3. Engineering computation in China.  
Professor Fu Zizhi, Beijing Petroleum Design Institute.
- Lecturers are distinguished engineering professionals and academics from Beijing, Shanghai and Guangzhou. The two main themes are: Application aspects of engineering computations covering such topics as interactive graphics, parallel computation, expert systems in structural analysis and design, and large finite element systems on personal computers; and practical aspects of civil engineering construction including, among other topics, procedures for submitting tenders, high-rise building developments in Chinese cities and building demolition techniques.

Ample time will be available for in-depth discussions between the speakers and the participants.

A bound volume of the Workshop proceedings will be supplied. Fee: \$30.

For registration details contact The Co-ordinator, Centre for Continuing Professional Education, The University of Wollongong, PO Box 1144, Wollongong, NSW 2500.

### Peter Johnston

Peter Johnston joined the staff of the Department of History in 1973. He began and taught courses in Russian history which covered a span from subjects on Russia in medieval times to Russia as a super-power in contemporary world politics.

At the time of his death there were four postgraduate students in Russian history within the Department, and he himself was working on a translation, with commentary, of V.A. Antonov-Ovseenko's *Civil War Notes*. He was unusually well-read, never a dull companion, and will also be remembered for his ability to contribute to debates on topics far removed from his professional interest.

### Coal industry forum

The NSW Coal Association Safety/Training Committee invites all mining engineering students, and all undergraduates seeking a career in the Australian coal mining industry, to attend the Coal Industry Forum. Venue is the NSW Coal Association, 13th floor, Aetna Tower, 221 Elizabeth Street (cnr Bathurst), Sydney South. This invitation is restricted to current university students in mining engineering and those students seeking a career in the coal mining industry.

The forum takes place on October 14, between 2.30 pm and 5 pm.

Subjects to be discussed are:

- Coal marketing, production specifications, transport and coal mining technology,
- Future prospects for the Australian coal industry and



## *This is the week when the Piper calls the tune*



The pictures above are from The School of Creative Arts' imaginative and daring new opera, *the Piper's Promise*. It is an opera in the not-to-be-missed-at-any-cost category.

There is still time to book. Performances this week are on Wednesday, Thursday and Friday at 8 pm and on Saturday at 2 pm as well as at 8 pm.

Taking as its theme Robert Browning's *The Pied Piper of Hamlyn*, the opera has music by Andrew Ford, libretto by Sue Rowley and Jim Falk, and the distinguished English tenor Gerald English heading a young cast. The sets are

designs by Richard Hook. Conductor is David Vance. And the direction is by the indefatigable Des Davis.

The opera is being performed at the Illawarra Performing Arts Centre in Burelli Street. Entrance costs \$14 (\$12 PAC members, \$9 concession and \$37 for a family of four). Book at the box office at the Performing Arts Centre, telephone (042) 26 3366.

*Pictured above are, left, Nicole Murphy and Ruth McCrae and, on the right, Stephen Scott and Paul Nettleton*

the effect of overseas developments on the local industry,

- The cost structure of the coal mining industry,
- Industrial relations in Australian coal mines.

Further information from Dr E.Y. Baafi, Civil and Mining Engineering, ext 3733.

### **Wollongong University Recreation Sports Hall to be new venue for Women's Indoor Hockey**

The University Recreation and Sports Association Indoor Sports Hall complex will be the new venue for hosting the Women's Illawarra Indoor Hockey matches for this year.

The first- and second-grade divisions will be played on Monday/Wednesday nights, 3rd and 4th grade on Friday nights and the Under 16s on Saturday afternoons. Evening games start at 6.30 pm and Saturday matches at 1 pm.

In fact, all *Selection Trials* for the Illawarra sides and training will be held at the Recreation Hall because of the better facilities and training surfaces.

For further information contact Sharon Oxenbridge, Recreation Centre Supervisor. Phone 28 1266, ext 3361/3362.

## **NEXT WEEK'S GRADUATION**

Our next graduation ceremony will be held on Thursday of next week, October 13, starting at 2.30 pm. The ceremony will take place in the Sports Hall of the Sports and Recreation Association. Awards will be made to graduands from all Faculties by the Chancellor, Mr Justice Hope. The occasional address will be given by Dr G. Ramsey, Interim Chairman of the Higher Education Council of the National Board of Employment, Education and Training.

If you have queries regarding the ceremony you should ring Trevor Cuthbertson, ext 3928, Moira Bowman ext 3360, or Marie Cooper ext 3947.

# 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 Kim Harriss (ext 3201). Intending applicants are reminded that all research applications must be forwarded through the Office of Research and Post-graduate Studies.

## Previously Reported in Campus News

	Internal Closing
Menzies Scholarships	October 14
Maxwell Ralph Jacobs Fund	October 17
Gowie Scholarship	October 17
Nursing Research Grants	October 17
Pig Research Council Grants	October 17
AVCC Visiting Fellowships 1989	October 17
NHFA Science Research Scholarships	October 17
Kobe Steel Postgraduate Scholarships	October 17
Robert S. McNamara Fellowships	October 18
Rebecca L. Cooper Medical Research Grants	October 28
Benians Fellowships	October 30
Lionel Murphy Scholarships	November 16
Canada Australia Bicentennial Research Awards	November 16
Academy of Science China Exchange	November 17
Canadian Faculty Awards	January 17
Wool Research Grants 1989-90	November 18
Fulbright Awards — Seniors	November 18
Packer Cambridge Scholarships	December 1
Jose Miguel De Baradianan Foundation	December 16
Canadia Faculty Awards	January 17
IDP Research Funding	Any time
Amy R. Hughes Scholarship	February 1
IDP Research Funding	Any time
Utah Foundation	Any time
Criminology Research	Any time
Pig Research Council -- Support for Eminent Visitors	Any time
MERA Project Grants	Any time
Clive and Vera Ramaciotti Travel Grants	Any time
James N. Kirby Foundation	Any time
Telecom Research Laboratories	Any time
NSW State Cancer Council	
Travel Grants-in-aid	Any time
Spencer Foundation	Any time
Visual Arts/Craft Board	Any time
Earthwatch – Grants for Field Research in Science or Humanities	Any time
Science and Industry Endowment Fund	Any time

## Frank Knox Memorial Fellowships

Applications are invited for the Frank Knox Memorial Fellowships, to enable two students from Australia to spend the 1989-90 academic year at Harvard University. The value of the Fellowship is \$US7,000 per annum. Applications close with the University on October 24.

## Spencer Fellowship Program

Applications are invited for the Spencer Fellowship Program for students who will have received their PhD,

EdD or equivalent no earlier than 1 January 1983. Applications close with the University on December 9.

## Rebecca L. Cooper Medical Research Foundation Grants

Applications are invited for grants available in 1989 for research in the fields of Diabetics, Arthritis and Schizophrenia. Applications close with the University on October 28.



## When is a picture offensive?

Obviously, there's no definitive answer to this. As with beauty, it's in the eye of the beholder. However, in the case of 'girlie calendars' and similar photographic displays, a relevant question which needs to be asked is this — are they appropriate in a work or educational environment? Although individuals will differ in their perceptions of such displays, one thing is clear — a large number of men and women do find them offensive.

It has little to do with the state of dress or undress of the women illustrated but rather with the demeaning depiction of women as trivial adornments. It is difficult for young female students studying in a mostly male technical arena to feel that they are taken seriously if the backdrop in the laboratory is of women as pleasure objects — similarly with staff, at all levels.

Apart from doing 'the right thing' to avoid offending colleagues and students, there is another aspect to this. After the 1984 judgement (O'Callaghan v Loder) it was found by the EEO Tribunal that sexual harassment amounted to discrimination in terms of the Anti-Discrimination Act.

The Tribunal found that harassment amounted to a 'detriment' in terms of an employment condition and included conditions which created 'a hostile or demeaning atmosphere ...' In summary, the Tribunal held that harassment was UNLAWFUL when a 'working environment is made hostile, offensive or intimidating'.

This University has a Sexual Harassment Policy which strongly supports the right of all people on campus to work or study in an environment that is free from intimidation and harassment. This environment can be generated by 'inappropriate displays of erotic or pornographic material'.

The presence of girlie calendars and like material certainly therefore would be construed as harassment under the law and are certainly offensive, at least to some people.

In a University committed to learning and freedom is there really a place for such material?

Kathy Rozmeta,  
EEO Coordinator.

**Wanted: 'Adviser' badges**

Please return the 'Course Adviser' badges that were used on Open Day to Gillian Curtis, Planning and Marketing.



## Staff Roundup

### Casual Employment Procedures

Staff attention is directed to the procedures which must be followed so that casual employees are paid promptly.

Before any payment can be processed it is necessary that an 'Employment of Casual Staff' authority is submitted to Personnel Services where classification and pay rate are determined, and a serial number allocated, if not previously employed. The authority next passes to Budgets where funds are committed, the appropriate account number determined and an order number allocated.

Upon completion of the foregoing the authority is then approved and passes to the Salaries Section. At this point the yellow copy is returned to the originating department as an indication of approval as well as providing details of the commitment together with the order and account numbers which must be included on all time sheets submitted.

In addition to the above, the employee's signature is required beside each date claimed, and the timesheet is to be certified by Supervisor and Departmental head where indicated. Timesheets not completed correctly will be returned to the appropriate department for amendment with possible delay in payment.

The cut-off time for the receipt of timesheets at the Salaries Section is noon on the Tuesday preceding a normal pay day and may include claims for the fortnight ending on the previous Friday. Timesheets received at Salaries after the cut-off time will not be processed until the next pay day.

Further details from Salaries Section, ext 3914 between 2 pm and 4 pm daily.

### Staff Changes

#### New Starters

Mr D.W. McLean, Professional Officer, Uniadvise.  
 Dr H.P.M. Winchester, Lecturer, Geography.  
 Mr G. Young, Technical Officer, Uniadvise.  
 Mr J. Wragg, Lecturer, Psychology.  
 Mrs A. Hoskins, Technical Officer, Health Sciences.  
 Mr C.K. Kershaw, Laboratory Assistant, Education.  
 Dr E. Siores, Lecturer, Mechanical/Electrical Engineering.  
 Mrs P. McCudden, Cleaner, Financial Services.  
 Mrs D.E. Beasley, Cleaner, Financial Services.  
 Ms C.M. Chaffe, Research Assistant, Aboriginal Education Unit.  
 Mr N. Dunningham, Senior Technical Officer, Faculty of Science.  
 Mr T.R. Marchant, Professional Officer, Mathematics.

Ms S.E. Jorgensen, Administrative Assistant, Personnel Services.

Ms R. Klein, Secretary, Chemistry.

Mr C. Small, Research Assistant, Chemistry.

Mr G.W. Seymour, Professional Officer, Management.

### Transfers/Promotions

Ms D.J. Smith-Cullen, Secretary, Biology.

Ms J. Jarmen, Administrative Assistant, Personnel Services.

### Departures

Ms.G. Casadio, Cleaner, Financial Services.

Ms G. McMurtie, Secretary, Chemistry.

Ms. A. Read, Executive Officer, Office of Research and Postgraduate Studies.

Ms K. Slabb, Laboratory Assistant, Psychology.

Mr G.J. Peterson, Technical Officer, Civil and Mining Engineering.

Mrs C. Robinson, Secretary, Centre for Multicultural Studies.

Mr N. Gardner, Programmer-In-Training, ADPU.

Mrs D. Davies, Secretary, Financial Services.

Dr A.L. Wingrove, Senior Research Officer, Metallurgy and Materials Engineering.

Mr C.S. Yu, Teaching Fellow, Electrical and Computer Engineering.

Dr K.S. Cheng, Lecturer, Physics.

Mr P.M. Reinfelds, Technical Officer, Computing Science.

Mrs J. Mossman, Cleaner, Financial Services.

### Current Vacancies

- \* Word Processor Operator, limited term, Civil and Mining Engineering, 7th October.
  - \* Purchasing Officer, Business Services, 7th October.
  - \* Creditors Clerk (Clerk Gd 1/2), Financial Services, 7th October.
  - \* Secretary, School of Industrial and Administrative Studies, 7th October.
  - \* Faculty Officer (Administrative Officer Gd 1), Faculty of Education, 7th October.
  - \* Office Assistant, limited term, Student Administration, 7th October.
  - \* Supervisor (Senior Technical Officer Gd 1/2), Physics, 7th October.
  - \* Technical Officer Gd 1, Chemistry, 7th October.
  - \* Technical Officer Gd 1, Computing Science, 7th October.
  - \* Technical Officer Gd 1, Geography, 7th October.
- For further details: Jenny Jarman, ext 3935.

### Academic Vacancies (Overseas and Australia)

The Australian Vice-Chancellors' Committee publishes monthly a list of academic vacancies both overseas and in Australia. Interested staff may view the lists at the Personnel Services Branch (ground floor, south-eastern corner, Administration Building).

## Wollongong University gift ties and scarves

Wollongong University ties and scarves are available from the Union Shop. They are excellent as presents to those travelling overseas, or as gifts to colleagues, friends, and graduates.



## Friends of the University



Coming to Wollongong on October 19 — Father Campion

### 'Rockchoppers' author to defend multiculturalism

The Visiting Catholic Scholar Group within the Friends of the University is pleased to announce the impending visit of Fr Edmund Campion, the distinguished Catholic author and historian and lecturer at St Patrick's College, Manly.

He has undertaken to be our guest on October 19. He will deliver the following addresses:

\* Lunchtime lecture on *Catholics in a Multicultural Australia* — 12.30 pm, Northern Lounge of the University Union.

\* Dinner lecture on the topic *Catholics in Australia — Changes* — 6.30 pm at Bruno's Restaurant, Tarrawanna, followed by dinner at 7.30 pm. Cost \$12 per head.

Edmund Campion is a Sydney priest who teaches history at Manly College. His *Rockchoppers: Growing up Catholic in Australia* (1982) became a national bestseller. His *Australian Catholics* (1987) is a popular history of Catholic experience in Australia. Father Campion reviews books regularly for *The Bulletin*. He served for four years on the Literature Board of the Australia Council and has been a judge of many literary awards, including the National Book Awards and the NSW Premier's Awards.

Have all Australian Catholics been Irish? Edmund Campion says, no. In these lectures he will explore non-Irish contributions to the development of Catholicism in Australia. He will look at the impact of postwar immigration on the church. He will argue that ethnic diversity showed the way towards religious pluralism within the Catholic experience. 'Just as earlier generations of Catholics had been supporters of Australian nationalism, today's church is an agent of multiculturalism', says Fr Campion.

Both lectures are open to the public. The first one is free and the second involves a dinner. Tickets are available from the Friends office: 55 Northfields Avenue, Wollongong, PO Box 1144, Wollongong 2500. Tel (042) 27 0073.

## Concerts, Exhibitions and Entertainment

### Macbeth

How does one remove the Shakespearean text from the realm of critical analysis to performance in the eighties? The answer, according to Jeff Kevin, the director of *Macbeth* which opens at the Bridge Street Theatre on October 7, is to set the production 'out of time'.

The first recorded performance of *Macbeth* took place at the Globe Theatre in April 1611. By any standard, *Macbeth* is a theatre 'classic'. The theme recognised strongly in *Macbeth* is a potential for evil in all men. The idea is no less relevant to Shakespeare's time than it is today: an idea which Jeff Kevin has chosen to implement in the concept for his *Macbeth*. The trick, then, is to be relevant to history and simultaneously remind a modern audience that corruption of power and ambition is still part of the society today.

The evil in *Macbeth* manifests itself in the violation of the bonds that exist between ruler with subject, friend with friend and man with nature, destroying natural order. The idea still holds sway today...we need only turn on the nightly news. This production of *Macbeth* by the School of Creative Arts will bridge that gap between the theatre classic and a modern audience.

### Recreation and Sports Association

#### Unirobics

No need to go off campus if you want to get involved in Aerobics. We have:

- Unirobics classes Monday-Friday
- All class supervised by qualified instructors
- Emphasis on fun and participation
- Each class designed to your level of fitness
- Staff and students only \$2 a class

Cheapest in the Illawarra!

#### Unicircuit

Why not try working out with Hydra Gym to music? All classes are:

- Fully supervised by qualified instructors
- Emphasis on body toning and improving overall fitness
- staff and students only \$2 a class

#### Timetable

Unirobics (45 min)	Unicircuit (40 min)
Monday 5.40 pm	Monday 12.40 pm
Tuesday 12.40 pm, 5.40 pm	Tuesday 4.40 pm
Wednesday 5.40 pm	Wednesday 12.40 pm
Thursday 12.40 pm, 5.40pm	Thursday 4.40 pm
Friday 5.40 pm	

For more information telephone 28 1266, ext 3361, 3362.

## Advertisements

#### To Let

Female or male to share three-bedroom unit, very near Towradgi Beach, with 34-year old. All amenities. \$50 per week. Phone Paul ext 3355 day or 84 6717 evening.

#### Wanted

Wanted to rent. Apartment/House in the Wollongong/Northern suburbs area for month(s) of January, February and/or March. Contact ext 3455 or 26 8868.

## Seminars

### Department of Metallurgy and Materials Engineering - Session 2 Series

Wednesday 4.30 to 5.30 pm Building 1, Room 134

Date: October 5

Speaker: Udo Buecher, University of Wollongong  
Title: Polymers

### Department of Biology Seminar Series Session II

The Department of Biology seminars are held at The University of Wollongong on Wednesdays at 3.30 pm in Room 19, Building 35.

October 5

Speaker: Dr S. Robbins, CSIRO Division of Wildlife and Ecology.  
Title: Enhancing the efficacy of myxomatosis: application of molecular biology to an environmental problem.

October 12

Speaker: Dr Ross Jeffree, Australian Nuclear Science and Technology Organisation.  
Title: Radium and calcium metabolism in freshwater mussels and turtles at Magela Creek, NT.

### Department of Psychology

Thursday, October 6, 12.30 pm

Speaker: Dr D. Burnham, University of New South Wales.

Title: *Infants hear lips and see voices.*

Venue: Social Sciences Building, Room 1056.

Thursday, October 13, 12.30 pm

Speaker: Dr Mark Anshall, Human Movement, The University of Wollongong.

Title: *Information processing in the elderly: Implications for motor skill acquisitions and retention.*

Venue: Social Sciences Building, Room 1056.

### Department of Philosophy

Department of Philosophy Seminar Room, North Wing, Social Sciences Building, The University of Wollongong, Northfields Avenue, Wollongong (Building 19, Room 1034).

Friday, October 7, 2.30 pm

Topic: *Does the infinite divisibility of substance involve a contradiction?*

Speaker: Greg Williams.

Friday, October 28, 2.30 pm

Topic: *Land Rights.*

Speaker: Janna Thompson, Australian National University.

### Department of Biology Biomedical Evening Series

Each seminar will be preceded by a char-grill dinner at 6.30 pm in the Union Bistro. Those interested in attending the dinner should contact Dr E.J. Steele (042) 27 0434, so that appropriate bookings may be made. Seminars begin at 8 pm in Lecture Theatre G19 Building 35. (The assistance of Dr Stephen Andersen is acknowledged.)

October 12. BDH Chemicals Australia Pty Ltd seminar on Control of Viral Disease. Professor F. Fenner, John Curtin School of Medical Research, ANU, Canberra.  
*The Global Eradication of Infectious Diseases: What Else Besides Smallpox?*

### School of Creative Arts Postgraduate Series

All sessions will be held in the Music Centre, 2.30 to 5.30 pm.

October 14

*Time and Space in Art: Underlying (deep) Structures.*

Speakers: Professor Edward Cowie, Ron Pretty. Chair: Sue Rowley.

### Department of Computing Science

Friday, October 14, 12.30 pm

Speaker: Mr Robert Hatton, Honours student, Department of Computing Science.

Title: *Benchmarking FORTH.*

Venue: Room 15.206.

*Abstract:*

FORTH is a language particularly suited to control of machinery. This seminar will discuss the implementation of a MC68000 FORTH-83 Interpreter suitable for running in user RAM of the Microlab MEX68KECBs and the benchmarking of this version of FORTH. This interpreter has been benchmarked against MC68000 assembler and the Novix NC4016 FORTH chip on the IBM-PC/AT. Benchmarking techniques and pitfalls will also be discussed.

Visitors parking on University grounds will be charged a parking fee of \$1. This fee will be reimbursed by the department.

Alex Zelinsky  
Convenor

### Department of Science and Technology Studies

Date: Wednesday, October 12, 1.30 pm

Venue: Building 19 room 2061

Topic: *The Discursive Shaping of Technological Change: the Case of Nuclear War.*

We have become habituated to talking (and thinking) about nuclear weapons and their possible use in a particular way. More precisely, it is possible to identify a systematic structure of practices and concepts which underlies discourse about nuclear war. What are these? Why have they evolved? To what extent do they help shape attitudes to, and the physical form of, nuclear weapons? And what alternatives do they mask? In this seminar we will examine these questions, both for their own intrinsic importance, and because they provide us with a useful case study of the role discourse plays in shaping technological change.

### School of Learning Studies Staff and Postgraduate Series

All seminars in Room 21.104 (Meeting Room), 12.30-1.30 pm

October 12

Speaker Deslea Kanza, PhD student, School of Learning Studies

Topic: Special Education.

October 26

Speaker: Michael Stone, School of Learning Studies  
Topic: Post-structural criticism and children's books.

A weekend colloquium for Masters (Hons) and Doctoral students will be arranged for November 5 and 6 (still to be confirmed).

Further information contact Bill Winsor, School of Learning Studies, ext 3963.

Seminar notices continue overleaf

## Department of Accountancy and Legal Studies

The following seminar will be held in the Social Science Building, Room 2001 (Accountancy and Legal Studies Department).

Friday, October 14 at 11 am

Topic: The Selection of Accounting vs Other

Commerce Majors: Personality and Other Influences.

Speaker: Mr P. Booth, University of New South Wales.

Friday, October 21 at 11 am.

Topic: Legal and Environmental Aspects of Offshore Oil Production.

Speaker: Mr J. Jackson

All welcome. Any inquiries contact Hai Yap Teoh,

Seminar Convenor, telephone 27 0625.

## Department of Physics Colloquium

Speaker: Dr Peter Cottrell, Visiting Fellow, Mt Stromlo Observatory (on study leave from Mt John University Observatory, Department of Physics, University of Canterbury, Christchurch).

Time: Thursday, October 13 at 12.30 pm.

Place: Physics Lecture Theatre (18.118).

Topic: *Hydrogen-Deficient Carbon Stars – Where has all the hydrogen gone?*

Sponsored by the Department of Physics and the Australian Institute of Physics (NSW Branch).

*Abstract:* The hydrogen deficient carbon (HdC) stars were identified as a distinct group of stars over 50 years ago. Only relatively recently has detailed work been undertaken on these objects. This has included spectroscopic observations for abundance work, to determine the relative proportions of the elements, and photometric and spectroscopic observations, to understand the pulsational properties of these stars. Both of these areas will be discussed, with some ideas as to the evolutionary origin of these peculiar objects.

One area of current interest relates to the main defining feature of a subgroup of these HdC stars – the R Coronae Borealis (RCB) stars, which occasionally decline in visual light output by up to 7 magnitudes. Of special interest is the recent decline (July 1988) of the prototype of this subgroup, for which we have obtained some unique observations. Much of the work which will be described in this talk has been undertaken collaboratively with Warrick Lawson (a PhD student at the University of Canterbury), using facilities at both Mt John and Mt Stromlo Observatories.

Dr J.N. Mathur  
Convenor

## Department of Economics

Tuesday October 11:

E. Wilson - Modelling risk, uncertainty and economic "news" in foreign exchange markets.

Tuesday October 18:

S. Mark - Rural income and employment opportunities in the Cimanuk River Basin of West Java.

Tuesday November 1:

C. Nyland - The rationalisation of standard time schedule in the USA, 1890-1940.

All welcome!

Please bring your lunch to room 19.2100 at 12.30 pm.

The seminars are informal and speakers will report on completed research as well as work in progress.

If you would like to present a seminar or nominate speakers from off-campus, please contact Charles Harvie (ext 3702) or Sandra Mark (ext 3654).

## Geography Department Student Series

Room G027, 12.30 to 1.30 pm each Wednesday.

October 19

Speaker: Jonathan Nott

Title: 'Fluvial landscape evaluation in the Shoalhaven Basin'. (PhD progress report).

Date to be determined

Speaker: Jerry Maroulis

Title: 'Fluvial sediment transport in the Channel Country of Queensland; a flume study'. (MSc progress report).

## Geography Department Staff and Visitors' Series

Room G027, 12.30 to 1.30 pm each Thursday.

October 13

Speaker: Mr Peter Nielsen, DPW, Sydney.

Title: 'Time series measurements of watertable fluctuations through a foredune at Dee Why'.

October 20

Speaker: Dr Collin Murray-Wallace, Sydney University.

Title: 'Amino acid racemization dating and its application in the Australian Quaternary'.

October 27

Speaker: Dr Janet Hooke, Portsmouth Polytech.

Title: 'Causes and nature of river channel adjustment'.



## Safety on campus

### The Near Miss

Sometimes one hears an individual say 'that was lucky, I just missed being crushed/hit/cut/hurt... Well, it might have been luck that time but what about the next occasion when such an incident occurs? Will that person be as lucky? Luck should not have anything to do with a safe working environment, and that is why it is important for all staff to look out for 'near miss' incidents. A near miss tells us that some action needs to be taken to prevent another 'even nearer miss'.

The University's Safety Officer is advised of accidents when they do occur but, as the old saying goes, PREVENTION IS BETTER THAN CURE.

Situations or incidents should also be reported. Reports (verbal/written) can be made to supervisors and Heads of departments/sections, members of the Occupational Health and Safety Committee and/or the Safety Officer. This will ensure that appropriate action can be taken to reduce accidents — especially those that might have been easily avoided.

The Safety Officer, Jeff Owers, can be contacted on ext 3204.