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Editor: George Wilson, Tel. (042) 27 0926  
(042) 28 6691

17 October 1989

*Launch of Uninet will give us a telecommunications bridge*

## Video link-up for universities

On October 23 the New South Wales Minister for Education and Youth Affairs, Dr Terry Metherell, will launch Uninet, a telecommunications network enabling the University of Sydney, the University of Technology, Sydney, and the University of Wollongong to hold video conferences and receive high-speed data.

The event, to be hosted by Jane Singleton, will involve the participation of five vice-chancellors.

The optical-fibre network will facilitate multi-site, fully interactive, instructional videoconferencing between any or all of the campuses. The University of Wollongong will be connected to it through a digital data communication network.

This is the first phase of the New South Wales Uninet link-up, which will be extended to take in the University of New South Wales and Macquarie University by the end of December. Uninet can be linked with interstate and overseas universities.

Developed by Telecom in response to a detailed proposal put forward by Professor Trevor Cole, of the University of Sydney's Department of Electrical Engineering, Uninet is designed to 'explore possibilities for co-operative research, development and demonstration of teaching by interactive video.'

In a Memorandum of Understanding between Telecom and the universities, Telecom has agreed to 'offset costs associated with the installation of the system against a commitment of the universities to actively undertake relevant research and development projects.'

Use of services provided on Uninet will be either at commercial rates or subject to Telecom/university research agreement.

While the initial focus will be on such campus-interactive video services as lectures, conferences and library access, once it is in place Uninet will also offer administra-

tive services, computer network links between campuses and access facilities to computer-controlled interactive video discs.

Uninet's capacity to disseminate broadcast-quality TV educational programs is clearly relevant to the existing proposal for establishment of a university television network.

Telecom anticipates that Uninet will become a testbed for such products and services as broad band switches, QPSX and broad band ISDN.

Uninet, like the Livenet network established at London University in conjunction with British Telecom, will permit access to wider Telecom networks for interstate or international videoconferencing.

Commenting on it, Allan Nichols, the Federal Department of Employment, Education and Training's Director of Research Grants, said:

'Uninet is ideal for linking active researchers in various disciplines who need to have a regular interchange of information. It will be very valuable for them to be able to link up from home base.'

The communication possibilities offered by Uninet will be a great asset in the advancement of research in Australia, particularly as a bright idea on one side of the continent can spark off a bright idea on the other side of the continent.'

Dr Gregor Ramsey, Chair of Higher Education, Council of the National Board of Employment, Education and Training, commented:

'Uninet will help universities work more closely together, share research ideas and communicate over a full range of activities.'

'It is important to the development of the whole higher education system, particularly in the research area, but once it is in place I'm sure a whole lot of other uses will be found for it. It is going to provide a major step forward in inter-university links in research, teaching and other areas.'

*Macquarie University  
University of New South Wales  
University of Sydney  
University of Technology, Sydney  
The University of Wollongong*

# General Notices

*'One of the most engrossing books on science, scientific method, goal-setting and personal interactions that I have ever read.'* – Mr Barry O. Jones, Federal Minister for Science

## Science has its own myths and rites of passage

*Life Among the Scientists*, by Max Charlesworth, Professor of Philosophy, Deakin University; Lyndsay Farrall, formerly Associate Professor of Social Studies of Science, Deakin University, and now co-principal of the Friends' School, Hobart; Terry Stokes, lecturer in Science and Technology Studies, The University of Wollongong; and David Turnbull, lecturer in Social Studies of Science, Deakin University.

The Walter and Eliza Hall Institute for Medical Research, in Melbourne, was the setting for the launching last month by Mr Barry O. Jones, Federal Minister for Science, of a book about the people who have made the institute world-famous.

Subtitled 'An Anthropological study of an Australian scientific community,' the book is, Mr Jones said, a rare example of investigators studying fellow-scientists, putting research in a social context.

'Social context' was, he said, important to the first director of the Hall Institute, Sir Macfarlane Burnet, and is important also to the present director, Sir Gustav Nossal – two men of completely different types. 'Nossal's directorship has already been longer (24 years) than the Burnet era (21). Burnet, a classic introvert, reflected the pre-World War II scientific ethos of Einstein, Bohr and Haldane, which put science in an epistemological context; he was also a bit of a pessimist who had real forebodings about the misuse of science. Nossal, a classic extrovert, is an optimist, an entrepreneur and communicator of genius, quite apart from his scientific attainments...It is much to Burnet's credit that he appointed Nossal as his successor considering that they were so different in style, temperament and operating method. Burnet was dedicated to "small science", where the solitary researcher probed the unknown, while Nossal is comfortable with "big" (or expensive, at least) science, where teams work on large projects such as the malaria vaccine.

'Our author (to follow the "I" convention used in the narrative) concludes that researchers in the Hall Institute concentrate on the work in hand without much regard for its philosophical or social context...Somebody told "him" "A scientist's interest in the past goes back just as far as the earliest paper she or he feels the need to cite."

It is a sobering thought that there is virtually no collective memory in the community at large about our scientific achievements, and this contributes to a lack of



Dr Terry Stokes, Department of Science and Technology Studies, co-author of *'Life Among the Scientists'*, launched in Melbourne by Mr Barry O. Jones, Federal Minister for Science, at the end of last month

appreciation and understanding generally.'

'We are very bad at recognising scientific achievement in near-contemporaries, unless they have received a Gold Medal,' Mr Jones concluded.

He said the book was equally illuminating on 'the myth of objectivity and scientific impersonality,' making a positive finding that scientists are human, and in its analysis of 'the worrying gender gap in science - a problem which begins with an education system in which girls are still actively discouraged from attempting science.' It was valuable, too, in describing how new paradigms are adopted - not because support for old paradigms fades away, but because 'a vast amount of "political" work is done...to get the new paradigm accepted'.

The conclusions reached by the authors should, Mr Jones said, be widely discussed: that scientists are human; that the role of 'power' in scientific progress is inadequately recognised; that there is no one method of scientific investigation; and that there is a wide disparity between real and perceived science.

The book highlighted three areas which, he said, need to be examined: the inherent contradiction between the ideal of free availability of scientific knowledge and the spirit of competitive individualism; the position of women in science; and 'the relative lack of interest shown by immunologists at the Institute in the ethical and social implications of what they are doing.'

*Life Among the Scientists*, Oxford University Press, 304pp, is obtainable from the University Co-operative Bookshop.

### Taking the lid off research

Dropped copy: The last line of the final paragraph on page 1 of last week's issue was dropped. The complete paragraph should have read: Prizes were awarded to Peter Wypych for the best PhD thesis and to Kaye Lowe for the best Masters thesis; to Andrew Warner for the best poster and to Helen Paulucci for the second-best poster. The best talks were given by Budi Notowidjono, Sue Curtis, Brenda Parkes, David Rowland and Robert Barr.

# Multi-skilling and participative job design

The Department of Psychology is supporting the implementation of changing work practices in local industry.

The Water Board is funding Dr David Brown and Dr Peter Smith to provide advisory support for the introduction of Skills Development and Workplace Reform. These changes are a key element of the Board's overall goal of moving work organisation from control to commitment.

BHP is funding Dr Peter Smith to assist in the development of new work practices in Blast Furnace operation of No 2 Blast Furnace. Participative job design has been introduced as a feature of the operation of No 2 Blast Furnace. The recommissioning of No 2 Blast Furnace, which was blown-in on September 11, is a major new investment in iron making capacity at Port Kembla. It involves a total expenditure of \$40.2 million.

The Department of Psychology's involvement in putting theory into practice at the workplace reflects the University of Wollongong's emphasis on co-operative ventures which serve the corporate client, the University and the community at large.

It is important to note that both these advisory links arise from Psychology undergraduate students alerting their employers to the relevance of the University of Wollongong's academic interests to enhancing employee effectiveness and well being. Such a trend of growing awareness and mutual exchange is one which the Department of Psychology welcomes with enthusiasm.

# Curriculum development for diabetes educators

Rhonda Griffiths, Department of Nursing, was presented with the Boehringer Mannheim 1989 Award for Excellence in Diabetes Education at the 1989 Australian Diabetes Society/Australian Diabetes Educators Association Scientific Meeting in Melbourne recently.

The award was earned for Rhonda's work in the field of curriculum development for diabetes educators. The curriculum is a part of a larger study focusing on diabetes educators which she is undertaking for the award of Master of Science (Hons) from the University of Wollongong.

The curriculum offers diabetes educators an opportunity to study subjects in the biological and behavioural sciences that will assist development of skills necessary to integrate the medical aspects of diabetes with communication, counselling and problem-solving skills to provide holistic patient care. Diabetes educators wishing to undertake further study in their service speciality currently choose from a variety of courses ranging in length from two to seven weeks. This program offers diabetes educators an opportunity to undertake tertiary level study. The increased depth and breadth of study provides study opportunities not previously available from courses designed specifically for this group of health professionals.

Later, Rhonda hopes to implement the new course here, at the University. To do this she intends to seek external funding and thereby, she says, 'incorporate marketing into my repertoire of skills.'

# University Council Elections

The University of Wollongong Act, 1972 (as amended) will be repealed on 31 December 1989 and a new Act, The University of Wollongong Act, 1989, specifying a new composition of Council, takes effect from 1 January 1990. Accordingly, the University is conducting elections for the new Council to take effect from 1 January 1990.

Nominations are called for election to the following positions on the University Council:

- 1. One student member
- 2. Four Convocation members
- 3. Two academic staff members
- 4. One non-academic staff member.

Nominations closed on October 13 for students, and will close on October 30 for Convocation and November 9 for staff.

Detailed notices of election will be displayed on several University notice boards and, for the Convocation election, were advertised in the *Illawarra Mercury* and *Sydney Morning Herald* on October 14. For further details contact Ms Marie Cooper (ext 3947).

# Department of Philosophy - Visiting Fellow

The Pro Vice-Chancellor, Professor Lauchlan Chipman, welcomed Dr Anthony Ellis to the University as a Visiting Fellow in the Department of Philosophy, at a reception on Monday September 25.

Dr Ellis is Chairman of the Department of Moral Philosophy at the University of St Andrews and has published widely in philosophical journals. He will be working with members of the Philosophy Department on various issues in moral and political philosophy. He will be in the University until November 22.

Dr Ellis will present a seminar on anarchism in the Department of Philosophy at 2.30 pm on November 3 in Room 19.1034. All visitors are welcome.

# To all staff

Bruce Laughton, who has worked at the University for 16 years, retires on October 31. There will be a farewell luncheon on Wednesday October 25 in the Kemira Room of the Union. If you would like to attend please fill in the slip below. The cost of lunch, which includes a donation towards a present for Bruce, is \$16.

Please return the slip below to Susan Gardner, Financial Services, by October 18. Enquiries to Susan Gardner on 3919 or Ron Robertson on 3916.

- ☐ Yes, I would like to attend the luncheon on October 31 and I enclose \$16.
- ☐ No, I cannot attend the luncheon but would like to make a donation (enclosed) towards a gift for Bruce.

Name \_\_\_\_\_  
Department \_\_\_\_\_



## Staff Roundup

### *Recreation & Long Service Leave Applications*

As it is approaching the time when we are all considering taking leave at Christmas we would like to remind all General Staff of the following conditions relating to Recreation and Long Service Leave Applications.

1. Only staff who belong to the FMWU or are proceeding overseas on leave are entitled to Pay-in-Advance.  
For those employees proceeding overseas and wishing to be paid in advance please attach to your leave application proof of your travel arrangements. If there are no supporting documents attached to your leave form pay-in-advance will not be granted.  
Remember you are only advanced for those pay days that you will be absent and this will be paid to you in the last pay you receive before commencing leave.  
Please ensure that all leave applications requiring payment-in-advance are received in the Salaries Office no later than three weeks prior to commencing leave.  
For those employees not receiving pay in advance your pay will be deposited into your account each fortnight as usual.
2. Leave loading is payable in the first pay in December of each year. This does not apply to FMWU members who have received a Leave Loading during the year 1.12.88 to 30.11.89.

If there are any queries regarding the above or any other matter please do not hesitate to contact the Salaries Office on extension 3914 or 3930 for assistance.

### *Christmas Pay Periods*

Owing to the restricted time available for salary preparation for the pay days 21 December 1989 and 4 January 1990 the following close off dates will apply:

**Pay Due 21 December 1989.** All salary variations and overtime sheets to reach Personnel Services not later than 4pm, December 8. All time-sheets for casual staff and part-time teaching returns to reach Personnel Services not later than 4pm, 13 December 1989.

**Pay Due 4 January, 1990.** Overtime sheets to reach Personnel Services not later than 4pm, 15 December 1989. All time-sheets for casual staff and part-time teaching returns to reach Personnel Services not later than 4pm, 21 December 1989. Time-sheets, overtime sheets and part-time teaching returns received after the respective cut off dates will not be paid until the next available pay.

Owing to the limited time available for processing pays for pay days 21 December 1989 and 4 January 1990 variations to salary deductions, the inclusion of additional

deductions and changes to salary accounts may not be processed until the pay of 18 January 1990.

Staff proceeding on recreation leave and requiring pay in advance (under the new leave provisions) are reminded that such application must reach Personnel Services not later than three weeks prior to their last day of duty.

Salary payments for casual staff who have worked up to 31 December 1989 will be charged against 1989 accounts providing the time sheet reaches the Salaries Office by no later than 4pm, 21 December 1989. Any salaries not paid by the first pay day in 1990 will be a first charge against 1990 funds.

If there are any queries regarding the above please contact the Salaries Office on extension 3914 or 3930.

### *Staff Development Courses*

#### **Selection Techniques Workshop for General Staff**

Two remaining workshops are to run for General Staff in 1989:

October 30 and 31 (RSVP October 16)

November 15 and 16 (RSVP November 1)

Book early to avoid disappointment.

#### **Selection Techniques for Deans and Heads of Units**

November 23 (9am to 2 pm)

A special workshop targeted for deans and heads of units which discusses how Selection Procedures at the University have been modified to meet legislative requirements.

#### **Counselling Skills for Performance Appraisal**

November 9 (one day)

Targeted for deans and heads of units who are responsible for performance appraisal of staff. To assist with the development of the skills necessary in conducting a performance interview.

#### **Management Development For Academic Women**

November 14 (one day)

A workshop for academic women which addresses the specific concerns of women in the academic profession. The workshop will be conducted by Lynne Wenig who is an experienced management consultant and ex-academic. Topics will include leadership styles, network analysis, power inventory and other issues of concern to the group with the view to developing actions steps which will be presented in a plenary session.

Nomination forms for Staff Development Courses can be obtained from Shirley Jorgensen, ext 3946.

### *Safety News*

The University has purchased a subscription to a Data Base on Compact Disc compiled by the Canadian Centre for Occupational Health and Safety.

CCINFODisc is OH&S information on Compact Disc Read-Only Memory (CD-ROM). It provides access to occupational health and safety information using FAST and SIMPLE search methods. In addition to OH&S data bases, CCINFODisc includes publications and CCOH'S Videotex Information Packages.

This release provides three discs: Series A1 (89-2) - Chemical Information; Series A2 (89-2) - Chemical Information; Series B (89-2) - OH&S Information. Subscription to Series A1 includes a monthly change notification for the Trade Names Data Base.

The data base will be located in the Michael Birt Library. Inquire at information desk.

Further details from the Safety Officer - Jeff Owers (Ext 3204).



# Summer Session 1989/90 – Fast Track Your Degree

The University of Wollongong will offer the following subjects during the summer for intending students, continuing students, students enrolled at other institutions and the general public. Students enrolled at another institution need the approval of that institution if they are intending to count a University of Wollongong Summer Session subject towards their own award. Residential accommodation is available.

## Faculty of Arts

Screen production	Prose Fiction	Australian Popular Ballads	Modern Irish Writers
Computers and the Arts	Introductory Spanish	Introductory German	Introductory Indonesian
Classical Philosophy	Minds and Machines	Contemporary Art and Society	Computers in Society
Women, Science and Society	Logic	Society and Culture	
Technology and the Modern Industrial State		Drama and Theatre – Australian Drama and Theatre	
Literary Perspectives of Australia and the Pacific		The Other Superpower – Soviet History 1917 to the Present	
The Scientific Revolution – History, Philosophy and the Politics of Science			
The Myth of Scientific Method: Contemporary Perspectives on Knowledge and Objectivity			

## Faculty of Commerce

Information Systems in Accounting	Advanced Auditing	Introductory Business Computing
Structured Business Programming	The Australian Labour Market	Small Business Computing
Introductory Macro-economics	Mathematical Economics	Quantitative Analysis for Decision Making
Business Communications	Business Research Methods	Organisation Structure and Control
Organisational Behaviour	Economics of Energy Resources: A Comparative Study of Canada and Australia	

## Faculty of Engineering

Hydraulics	Mechanical Engineering Applications of Finite Element Techniques
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## Faculty of Mathematical Sciences

Computing Studies

## Faculty of Science

Coal Utilisation	Environmental Aspects	Communication in Community Health – The Healthy Cities Approach
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## Non-credit subjects – Bridging Courses

Bridging Course in Biology	Bridging Course in Chemistry	Vectors	Concepts of Physics
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Most courses are of seven week duration except bridging courses which are of two weeks duration. Closing date October 31. Late applications will be considered if places are available. Summer Session booklet and application forms are available from the Student Enquiries Office, or telephone (042) 27 0927.

## 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 Roser (ext 3201). Intending applicants are reminded that all research applications must be forwarded through the Office of Postgraduate Studies.*

### Previously advertised in

Campus News	Internal Closing Date
National Heart Foundation Science Research Scholarships	October 17
Robert S McNamara Fellowships	October 17
KOBE Steel Schols	October 17
Forestry Research Grants	October 17
Meat and Livestock Scholarships	October 17
Victorian Nursing Council	October 17
Canadian Research Awards	October 14
ATERB P/G Scholarships	October 19
Health and Community Services Grants	November 1
Fulbright Awards for Seniors	November 16
CSIRO Industrial Tech.	
PhD Scholarships	November 16
ATERB Grants	November 17

Academy of Science China	November 17
Exchange Programme	December 1
Spencer Fellowships	
Aust Special Rural Research	
Fund Grants	December 1
Canadian Faculty Enrichment Awards	January 7
ATERB Medal	January 7
Health and Community Services	
Research Grants	Any time
Grants for Field Research	Any time
Australia-China Council Grants	Any time
Research into Drug Abuse	Any time

## Weight Watchers

The Weight Watchers' New Weight Loss Program for the Workplace has achieved the amazing figure of 85.5 kg in weight loss since the program began on campus seven week ago. If you are interested in joining contact Frances on 3456 to register for the new program starting on October 18.

# Friends of the University

## Congratulations...



... to Gwen and Ed Deighton who celebrated their Golden Wedding Anniversary last week. Gwen and Ed lead the group of senior citizen volunteers who prepare *Campus News* for mailing each week. They also prepare the *Gazette* for mailing four times a year. Without their services you would not be reading this copy of *Campus News* – we are extremely grateful for their invaluable assistance. We wish Gwen and Ed many more years of health and happiness as they celebrate their 50 years of marriage.

## Senior Citizens' Day

Friday October 27

**Sponsors:** The Drug Offensive, The University of Wollongong and The National Bank of Australia

**Theme:** Taking Back Control

### Programme

- |          |   |
|----------|---|
| 10 am    | Morning tea   |
| 10.15 am | Opening. The Hon. Frank Arkell, Lord Mayor                    |
| 10.30 am | The drug offensive – How it relates to senior citizens        |
| 11.00 am | Developments financial – How to take control of finances      |
| 11.30 am | Take control of your medications – Some tips to consider      |
| 12 pm    | Lunch – Smorgasbord<br>Display by <i>The Fabulous Fifties</i> |
| 1 pm     | Control your own environment – some tips on safety            |
| 1.45 pm  | Health professionals – How to interview and influence them    |
| 2.45 pm  | Don Harper Jazz Quartet and dancing                           |
| 3.45 pm  | Afternoon tea   |
| 4 pm     | Close   |

All are welcome. Attendance fee \$2.

Tickets available from: Local Senior Citizens' Centres, NSW Department of Sport and Recreation, State Office Block, 84 Crown Street, Wollongong, Telephone 268150, Friends of the University, Administration Building, The University of Wollongong, Telephone 270073.

For further information contact Tracey McDonald, Chairperson, Department of Nursing, The University of Wollongong, Telephone (042) 270227.



Karl Preuhs' ceramics are on display in the Long Gallery with John Eveleigh's drawings and paintings (see page 7)

## Concerts, Exhibitions and Entertainment

### School of Creative Arts diary – October

Tuesday 17: Arts in the Bar. Uni Tavern, University Union. Launch of SCARP No 15 – 7 pm.

Thursday 19: Art of Lunch. Music Centre, School of Creative Arts. *An artist two months later.* Dutch performance artist José Aerts recovers (in public) from her residency at the School of Creative Arts. 12.35 to 1.25 pm.

Friday 20: Postgraduate Seminar. Music Centre, School of Creative Arts. 2 to 5 pm.

Thursday 26: Art of Lunch. Music Centre, School of Creative Arts. Master of Creative Arts student **Bergrid Ferreira** (piano) presents *Sea-Change* by Andrew Schultz and works by Beethoven and Liszt in her final recital. 12.35 to 1.25 pm.

Wednesday 25 to Friday 27: Series of eight one act plays by third Year Directing Students. University Theatre 8 pm.

Saturday 28: Marathon production of all eight plays.

### Jazz Galaxy

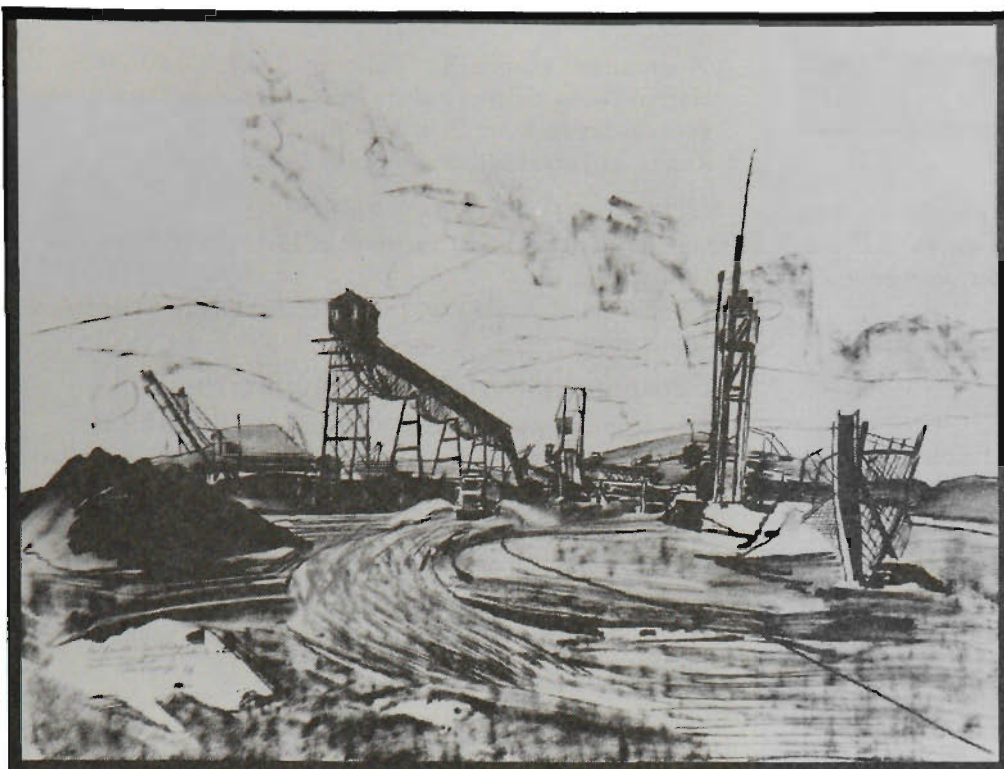
*A Constellation of Jazz Stars* plus two big bands

The jazz concert, featuring jazz stars and two Show Bands, will mark Jim Powell's retirement. Don Harper, leader of the Conservatorium Show Band, has written two works featuring Jim Powell at the piano with the Show Band ... something of a farewell gesture on Don's part. At Wollongong Town Hall on Friday October 20 at 8 pm. Tickets from the Conservatorium (042) 281 122, the University (Jenny Stewart or Sheila Hall) (042) 270 987. Adults \$14, concession and children \$8.

### Scott Joplin

The Festival of Wollongong has brought Nadia Kokot back on the stage with the music of Scott Joplin in *Concert II*. Additional Joplin pieces have been arranged especially for this concert at the Illawarra Performing Arts Centre, Wollongong, on Friday October 27 at 8.15 pm. For bookings telephone (042) 263366.





*Left: Port Kembla Coal Wharf*

**'The problem is to  
balance the equation'**

*Below: Carrington Falls 2*

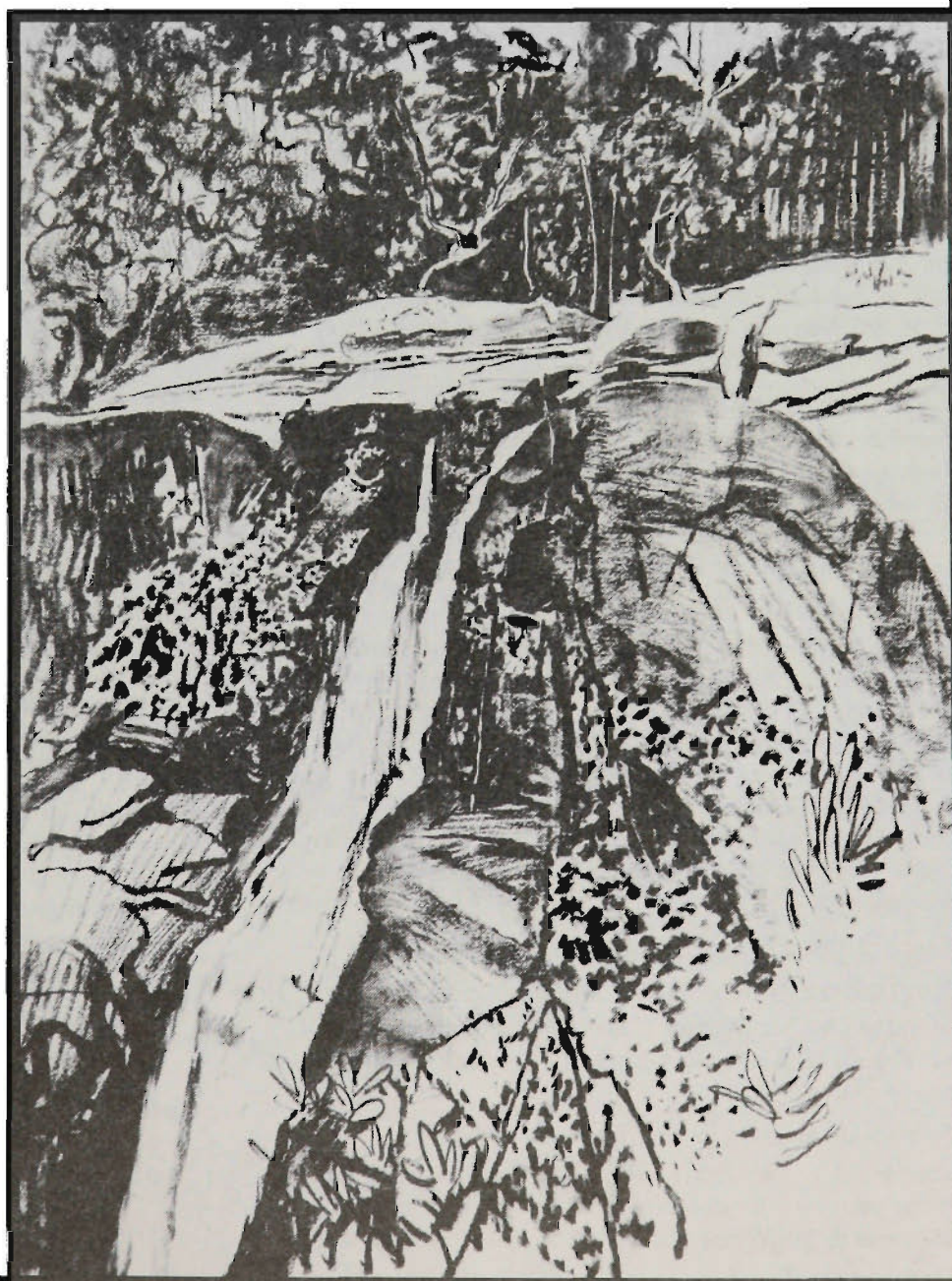
## **'Heroic Materialism and the Natural Order'**

When man heroically pits his new-found power against the ancient power of the earth, the struggle may be spectacular, a worthy subject for the artist. Under the general heading of Heroic Materialism, in his exhibition which opened on October 12 in the University's Long Gallery, John Eveleigh has grouped his studies of Australian mining, manufacture, transport and port facilities.

In contrast, Eveleigh's second group of works in the exhibition depict the Natural Order - the highlands, lowlands and eastern seaboard of New South Wales, from Pidgeon House Mountain in the south to Nambucca in the north. Many of these scenes feature water, which the artist sees as the world's prime spiritual element, all too often exploited for man's comfort and convenience without regard to its own essential purity and beauty.

The conundrum is as clear today as the contrast. We can no longer live without industry. As the American critic Clement Greenberg remarked, 'Industrialism and industrialisation are here to stay. Their benefits are too well recognised by now for humanity to be turned from the pursuit of them by anything short of cosmic violence.' But we now realise that we cannot survive at all without a fertile earth and unpolluted air and water. The problem, Eveleigh says, is to balance the equation.

The exhibition was formally opened by the Vice-Chancellor at a preview on Thursday October 12 and will be open to the public until November 12.



## Seminars

### Department of Accountancy

Seminars are held in the Social Science Building, Room 2001, in the Department of Accountancy, from 11 am to 12.15 pm. Inquiries to Hai Yap Teoh, Seminar Convener, telephone 27 0625.

Friday October 27: Mr Mark Blair, University of Sydney, *Organisational choice in the insurance industry*

### Department of Biology

Seminars will be held in Lecture Theatre G.19, Building 35, at 12.30 pm.

October 17: Ross Godingay, *The behavioural ecology of the yellow-bellied glider*

October 24: Bill Petelo, *Effect of solute stress on petite mutation of yeast*

### Biomedical Evening Series

Each seminar will be preceded by dinner at the Union Bistro at 6.30 pm. All those interested are welcome to meet the speaker at the Bistro. Please contact the Convener, Dr E. J. Steele (042) 27 0434, so that appropriate table bookings can be made. Seminars begin at 8 pm in the Biology Meeting Room, Building 35.

Wednesday October 18: Sponsored by Selinus Laboratories. Associate Professor Tony Cunningham, Department of Virology, Westmead Hospital, *HIV infection of monocytes and development of antiviral agents for AIDS*

Wednesday October 25: Sponsored by Pharmacia. Dr M.D.Hatch, CSIRO Division of Plant Industry, Canberra, *Cell Permeability - Gap Junctions and C4 Photosynthesis*

### Centre for Work and Labour Market Studies

Thursday October 26: CWALMS presents a one-day seminar on *Award Restructuring* in the Kemira Rooms 1, 2 and 3, Union Building, commencing at 9 am. Convener: Assoc. Prof. Ray Markey. For cost and details ring June Aspley on 851582, 851654 or ext 3983.

### Department of Chemistry

Seminars are held on Thursdays at 11.30 am in Room 18.206. Inquiries to John Carver, ext 3340.

October 19: Dr Will Price, Department of Chemistry, University of Wollongong, *Hydration of polyvalent metal ions in solution: insights from diffusion measurements*

### Department of Economics

Seminars are held in room 19.2085. Information from Dennis O'Brien (042) 270 654 (ext. 3654) or from Room 19.2076.

Wednesday October 18, 12.30 pm: David Bourne, PhD student, University of Wollongong, *Industry policy and industrial relations - the Australian steel industry*

Wednesday October 25, at 12.30 pm: Professor V. K. Srivastava, Department of Statistics, Lucknow University, India, *Properties of Stein-Rule estimation procedures in linear regression*

### Department of Electrical and Computer Engineering

Monday October 23 from 12.30 to 1.30 pm in Room 35.G45: Mr R. Knight, *A versatile high speed link system for interconnection of remote LANs*

### School of Learning Studies

For your diary: seminars will be held on October 18 and 25. Bring your own lunch; coffee and tea will be provided. Inquiries to Bill Winser, School of Learning Studies, ext 3963.

Wednesday October 18 in Building 21.104: Dr Pauline Harris, *Young children making sense of classroom literacy tasks*  
Wednesday October 25 in Building 22.107: Ms Deslea Konza, *Eternal childhood: the fate of disabled people?*

### Department of Management

Seminars are held on Thursdays at 12.30 pm in Room 19.1003.

October 26: E. Atuahene, *The role of licensing in new product development*

### Department of Materials Engineering

All Wednesday seminars 4.30 to 5.30 pm, Room 1.134  
Wednesday October 25: Professor W Plumbridge, *Contribution of Metallography to high-temperature design problems*

### Department of Mechanical Engineering

Wednesday October 18, Building 8 Seminar Room at 11.30 am: Mr B. P. Barnsley, General Manager, Microwave and Materials Institute, *Industrial uses of microwave power*

### Department of Philosophy

Inquiries to Dr Robert Dunn (042) 270 621.

Friday November 3 at 2.30 pm in Building 19, Room 1034: Dr Anthony Ellis, Department of Moral Philosophy, University of St Andrews, *Anarchism*

Wednesday November 8 at 1 pm in Building 19, room 1034: Dr Robert Dunn, Department of Philosophy, University of Wollongong, work in progress paper, *Akratic attitudes and moral reasoning*

### Department of Psychology

Seminars are held in 19.1056 on Tuesdays between 12.30 and 1.30 pm. For further information contact Sachiko Kinoshita, ext. 3741.

October 17: Dr Susan Wayland, School of Behavioural Sciences, Cumberland College of Health Sciences, *Visual and semantic processing of concepts in the brain-damaged*

### Department of Science and Technology Studies

October 18 at 12.30 pm in Building 19, Room 2061: Neill Hall, School of Policy and Technology Studies in Education, Wollongong, *Education and Information Technology*

October 25 at 12.30 pm in Building 19, Room 2061: Ian Hampson, Post-graduate Studies, *What is post-Fordism?*

### TMS Student Chapter of Wollongong University (group of Material Engineering)

Friday October 20 at 2.30 pm in Building 1.134: R. Ashbolt, Managing Director, L & R Ashbolt Pty Ltd, *Ceramic coatings on engineering components for superior performance*

## Advertisements

### Leaving home?

Are you going overseas or away on a holiday? Who is going to feed your pets? What about the lawn and garden? Will a burglar take advantage of an empty house? Experienced house-minding couple available from January 1990. We provide peace of mind while you're away. References available. Telephone Tracey or Jim on 291420.

### Going away?

Looking for someone to take care of your residence while you are away travelling or studying? Look no further ... A young, professional, married couple, experienced in house-sitting, are available from January 1990. Numerous references available. All enquiries welcome. Telephone Gary or Mary 281171.