

# CAMPUS NEWS

## Graduates urged to create opportunities and tighten standards

Addresses by distinguished guests at the May graduation ceremonies presented the graduates with major challenges to tackle as they go out into the workforce.

Perhaps the most challenging words came from Emeritus Professor of Accountancy from Sydney University, Raymond Chambers.

He said that the corporations law, the stock exchange, the accounting profession and its accounting standards boards have passively condoned or actively condoned practices by which company financial reports are made false and misleading – in the face of decades of complaint in the commercial, financial and academic media.

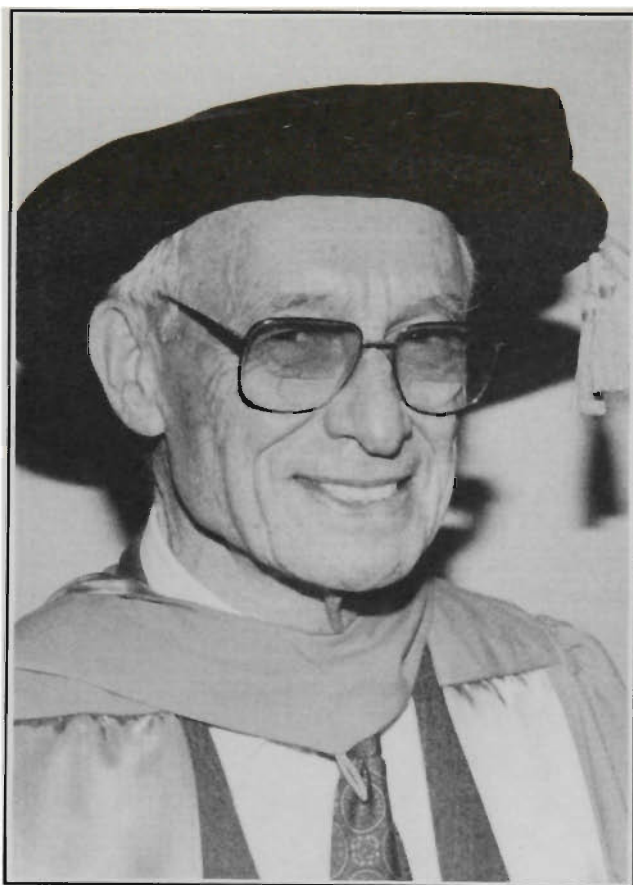
He told the accountancy graduates: 'You have the task of confronting the conservatism of your profession and replacing a feckless and misleading accounting, and a bogus accountability, with a genuine accountability based on respect for truth in all social affairs.'

'For respect for truth is, above all things, what the spirit and the work of universities stands for.'

'Go resolutely to your professional futures in the strength of that spirit, and in the knowledge of the power of up-to-date truth to purge the crippling effects of deceit and dissimulation from the society you will serve.'

'The maladies of today are yours to eradicate.'

Group General Manager, BHP Steel, Mr Ian McMaster, said the challenges graduates face today are perhaps greater than any faced by graduates



*Emeritus Professor of Accounting from Sydney University Raymond Chambers. Professor Chambers was honoured at the ceremony on Thursday 13 May with the presentation of the degree of Doctor of Science (honoris causa) in recognition of his long and unrelenting dedication to the discipline of accounting and the keen and fresh vision he brought to a field that is often perceived as staid and practical. Professor Chambers is currently a member of the Faculty of Commerce Visiting Committee*

in the last 40 years and that graduates would have to 'create more opportunities than they find'.

'It does not require any great insight to recognise that finding rewarding employment in your chosen sphere is more difficult now than at any time in this period,' Mr McMaster said.

'Not merely because the recession has reduced the pool of jobs available, but also because there are more graduates than ever before competing for them.'

In his address to Commerce gradu-

ates, Dean of the Faculty of Commerce, Professor John Steinke, gave further insights into the employment situation for graduates.

He said that although graduates had a better chance of finding employment, the increase in the supply of university graduates was decreasing their earning power.

'In 1981/82 degree holders' average annual earned incomes were 54 per cent above that of the population as a whole, while by 1989/90 the differential had fallen to 48 per cent,' he said.

## Annual Report available

Copies of the University's 1992 Annual Report have been distributed to departments and units.

The administrative assistants in your area will be able to let you know if your copy has arrived.

If there are not enough copies, contact Marilyn Yatras in Academic and Student Services, ext. 3943.

## Bach's Magnificat

The Illawarra Choral Society, conducted by Bob Smith, of the Faculty of Education, presents Bach's Magnificat in the Hope Theatre at 5pm on Sunday 30 May.

## Brief News

Soloists are Janet Morris (soprano), recently returned from a study tour of the US and Europe, Patricia Worley-Smith (soprano) and Barbara Rixon (alto) both Wollongong BCA graduates, David Haydon (tenor), a BCA student who recently auditioned successfully for the Australian Opera's production of Die Meistersinger and Bill Lawson (bass), a University Singer.

Also in the program are works by Mozart and Vaughan Williams and

items by three string players. Tickets \$10 (\$6 concession) from Society members, Jurjens or at the door.

## Student discounts

The Student Representative Council is producing a Student Discount Booklet, and want to get more input from businesses in the Illawarra area.

If you know anyone who owns or runs a business in the Illawarra, ask them if they would like to be in the Student Discount Booklet to contact Greg Kuhnert at the SRC.

The idea is for the business to provide a set discount to all students from this University.

There is no fee to go into the booklet which is distributed to 11,000 students and encourages students to 'Buy Illawarra!'

## Is the credit transfer system working?

Head of the Graduate School of Business, Professor Don Lewis, was the key-note speaker at the Consultative Forum on Credit Transfer and Skill Recognition in Melbourne on 27-28 April.

The forum, organised by the National Board of Employment, Education and Training (NBEET), was designed to enhance links between schools, higher education, TAFE and industry and to promote discussion on credit transfer and skill recognition.

More than 100 invited leaders from government, education and industry throughout Australia attended.

Professor Lewis's paper will be published by NBEET in its Occasional Paper Series.

In his paper, entitled 'Is the Credit Transfer System Working? Recent Evidence from NSW', Professor Lewis analysed the success of former TAFE students in gaining admission to universities in NSW and monitored their progress at university.

This paper builds on his previous work which has been funded by the Evaluations and Investigations Program of the Department of Employment, Education and Training (DEET).

His previous studies include 'Credit Transfers Between TAFE and Higher Education', published in 1991, and a recently completed study, 'Analysis of University Admissions Data, NSW, 1991 and 1992'.



## Biology prize

The 1992 Biology Prize has been awarded to Paula Madden.

The prize is awarded to the Bachelor of Science student with the best overall performance in a Major Study in Biology.

Paula studied subjects both in Geography and Biology and is studying for her Diploma in Education.



# Noel Diffey awarded Fellowship

Noel Diffey, who was Secretary Manager of the University Union until recently, was awarded a Fellowship of the University at the graduation ceremony on Tuesday 11 May.

Mr Diffey was appointed Secretary Manager of the University of Wollongong Union in 1985 when the Union was about a third its present size.

Under Mr Diffey's direction, the Union became a successful business with an annual turnover of around \$6 million.

The food and catering services were redesigned and diversified, the retail operation expanded to include a comprehensive bookshop and large general store, and a huge functions/meeting room complex added.

Indeed, given Mr Diffey's country origins (he was born into a farming family in Victoria in January 1946 and spent much of his early career on the land), it is tempting to compare his achievements to the creation of a good-sized country town.

His vision for the Union, enshrined in the University's plan for the year 2000, supports that view.

Mr Diffey saw the Union's major role as 'providing a community centre for the University of Wollongong, incorporating a comprehensive range of services, facilities and programmes for the University community'.

Mr Diffey inspired a high level of loyalty among staff at Wollongong.

They refer to his good humour and his 'open-door' management style, while commenting wryly that sometimes that door led to an empty office.

If the 'gum-boots' and overalls were missing, Mr Diffey was 'on-site' either with the builders of Stage 6 or cleaning out the drains. Noel has never lost the 'hands-on' touch!

Mr Diffey's success in giving the University one of the best-equipped and extensive unions on any Australian campus is largely a result of his native ability to deal with people, to be both a good listener and a 'doer'.

It is a rare combination that enabled him to support students with a range of needs, to handle complex industrial relations issues and, very significantly, to influence his Vice-Chancellor.

This influence was possible because of a meeting of minds: two straight-



*Noel Diffey . . . awarded Fellowship*

talking individuals who combined vision with a strong sense of what would work.

At Wollongong in the last decade, Mr Diffey and Vice-Chancellor, Professor Ken McKinnon, made a good team.

Mr Diffey has also held several senior positions in community organisations and, while at Wollongong, was a director of the Illawarra Credit Union, member of the International House Management Committee and served on the University's Open Day

Planning Committee and the Access and Equity Committee.

Mr Diffey left the University to take on a new challenge at the end of last year.

It was most fitting that he was honoured the refurbished Union Hall which, in its conception, its funding and its ultimate construction is, in many ways, a testament to his commitment to the Union's future and the strong relationship which he forged with the overall management of the University.

# Geographic information system workshop

A world authority on geological applications of Geographic Information Systems (GIS), Dr Graeme Bonham-Carter, led a very successful workshop hosted by the Geography Department from 3-5 May.

Dr Bonham-Carter is a research scientist with the Geological Survey of Canada and is also an adjunct professor at the University of Ottawa.

He is one of the leaders in mathematical modelling of geological processes and has particular interests in using computer simulation models related to sediment transport, mineral potential mapping, weights of evidence modelling and GIS applications of expert systems.

The workshop, which was organised in conjunction with Infomaster Australia, attracted participants from mining companies such as Western Mining, Geopeko and Aberfoyle Resources; the Geological Survey of NSW; CSIRO Division of Wildlife and Ecology and the

Department of Geography.

Two geologists, Larry Queen and Adam Wangu (Geological Survey PNG) flew from Port Moresby to attend the course.

With the help of extra borrowed and hired 486 PCs, each participant was provided with a system to work on.

The course used the geographical information system SPANS (spatial Analysis System) running on OS/2.

The course focussed on the following knowledge driven and data driven processes:

- Basic Logic Model using basic prescriptive models and boolean operators;
- Fuzzy Logic Modelling algorithms used to combine mapped evidence of mineralisation with uncertainty models;
- Weights of Evidence models as used in mineral potential mapping;
- Knowledge Seeker. Case base reasoning: classification and regression trees and their application to

mineral potential mapping;

- Logistic Repression. Using logistic models to predict mineral potential ; and

- Table Modelling. The representation of lithology and age in geological maps to provide maps based on selective criteria.

Thanks are due to Jonathan Harris, Infomaster Australia, for organising the workshop and bringing Dr Bonham-Carter to Australia; Lisa McKenzie and Dennis Entriiken, Infomaster Australia, and John Marthick, Geography Department, University of Wollongong, for assistance throughout the course.

Dr Bonham-Carter has published the following books on computer simulation and GIS applications to geology:

Harbaugh, J.W. and Bonham-Carter, G.F. 1970 Computer simulation in Geology, Wiley Interscience.

Bonham-Carter, G.F. (in press) Geographic Information Systems for Geologists, Pergamon Press.

## New board of management coming

The Annual General Meeting of The Friends has approved a constitution for The Friends as an association.

Subject to Council acceptance at its meeting on Friday 18 June, a new board of management will take responsibility for giving fresh leadership to The Friends.

Jim Pearce and John Bell were elected community representative to the new board.

The Lord Mayor, David Campbell, and President of the Alumni Association, Keith Phipps, accepted invitations to join the board.

It was also resolved that Council be asked when making its appointments to the board to nominate people who are representative of other significant community interests.

One of the responsibilities of the new board, which it is hoped will first meet on Friday 25 June, will be to make a recommendation on the appointment of an executive officer, to provide leadership to the association, and implement the board's policies and program.

### Friends

The appointee will be in accordance with the constitution and will then join the board.

Lauchlan Chipman, as retiring Chairman of the Board of the Friends of the University of Wollongong Ltd, thanked all members and particularly those who had served on the board and its committees for their contributions.

He also noted that the decision of the Graduates Group to form a chapter of the Alumni Association was another example of the nurturing role which the Friends has played.

It joins such conspicuous examples as the Illawarra Technology Corporation and The University of Wollongong Foundation as independent activities which have developed from Friends initiatives.

He also reported to members on the disposition of the assets of the company on its winding up.

These amounted to \$42,831.

A total of \$21,555 was repaid to the University to liquidate the deficit on the Lawrence Hargreave Sculpture.

He said \$16,380 is held in the Ethel Hayton Fellowship Fund, \$2600 for the Graduates Group Chapter (this is in addition to \$5000 which they have donated for scholarships), \$1450 to repay audit fees for 1992 and \$793 has been credited to the Friends Association.

He was thanked for his role as chairman by members present.

There was discussion of the future program of the Friends and the immediate priority is to assist members better to inform themselves on aspects of the University.

To this end, a series of briefings as outlined in the questionnaire which accompanied the note of the AGM are being arranged.

Details will be given to all who responded and additionally will be published in Campus News.

Anyone who wishes to be included can then tell Antoinette Matarranz, phone 21 3169.





Barbara Cornelius in the Department of Accountancy has a licence through the National Parks and Wildlife Service to rehabilitate orphaned or injured native fauna. She frequently has little visitors in her office during the early stages of their rehabilitation when they are too young or not well enough to be left alone. With the addition of a pouch, the filing cabinet has often fulfilled the role of a surrogate mother. This little fellow is a wallaroo. If you find a native animal please contact Barbara on 214 004 as soon as possible for advice. Delay could be fatal.

**Mum's the word for Accountancy filing cabinet**

## Directory of expertise on Asia-Pacific region

The Asia-Pacific Research Network, co-ordinated by Professor Stephen Castles, is compiling a directory of expertise on the Asia-Pacific Region at the University of Wollongong.

The network includes members of the Faculties of Arts, Commerce, Education and Science.

The objectives of the directory are:

- to facilitate the development of research and teaching on the Asia-Pacific region through exchange of information, ideas and contacts;
- to encourage the development of interdisciplinary co-operation;
- to demonstrate the expertise of the University in the region by showing the amount of work already undertaken; and
- to provide a basis for possible future applications for research funding and consultancies.

The directory will be printed as a brochure, which will be available to all members of the University. Regular updates are planned.

The Pro-Vice Chancellor (Research), Professor Bill Lovegrove, has indicated his support for the project, including funding for the production of the directory.

The Asia-Pacific region includes all Asian countries and the Pacific Islands, and excludes American countries.

Information on research and teaching in all disciplines and faculties is needed. Higher degree research and other student projects should also be included.

A questionnaire is available from Colleen Mitchel, Centre for Multicultural Studies, ext. 3780. Please respond if you are involved in any activities in this area.

# CRC Executive Director to receive prestigious Japanese award

Executive Director of the Cooperative Research Centre (CRC) in Materials Welding and Joining located at the Illawarra Technology Centre on campus, Dr Norman Eaton, has been awarded the 1993 Okada Memorial Award of Osaka University in Japan.

He is the first international recipient of the award, previous recipients being eminent academic and industrial scientists in Japan.

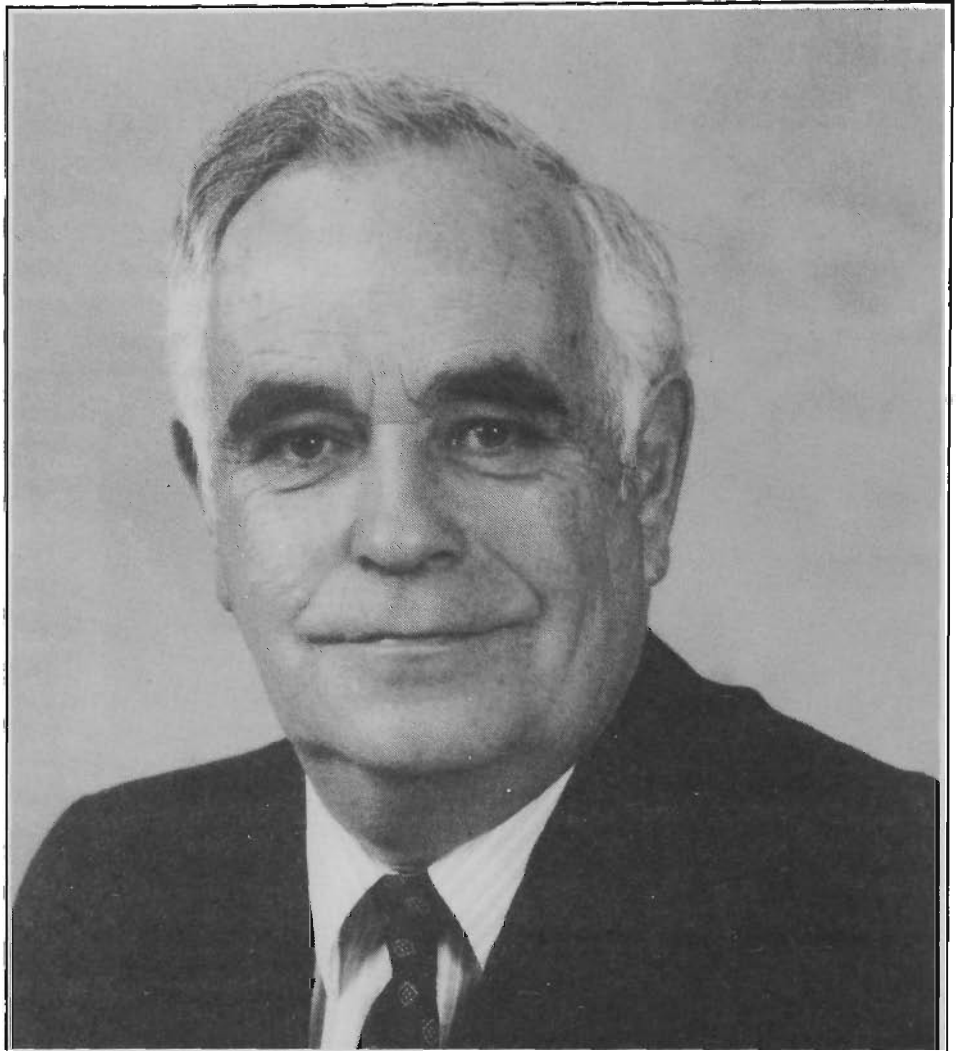
The award recognises Professor Minoru Okada, who is now 90 and was the eighth President of Osaka University.

In 1943 Professor Okada established the world's first Department of Welding Engineering at a university.

This department, which since its creation has graduated 2000 welding engineers, and the related Welding Research Institute of Osaka University, are world famous for fundamental and applied research in welding and joining and advanced materials processing.

The citation for the award highlights the contribution Dr Eaton has made in the development of research strategies for the implementation of multi-sector collaboration between university and industry sectors, and specifically his contribution to the establishment of international collaboration.

Before coming to Australia last November to lead the formation of the Wollongong-based CRC, Dr Eaton was instrumental in the creation of



*Dr Norman Eaton who has received a Japanese university award*

internationally recognised welding research centres in the United Kingdom and Canada.

He is the current President of the International Institute of Welding (IIW) an international organisation

of 37 member countries which links academic and industrial research organisations world wide.

Dr Eaton's three-year term as President of IIW will finish at the Institute's annual assembly in Glasgow this year.

During his visit to Osaka at the end of May to receive the award, Dr Eaton will be finalising details of a collaborative agreement between the CRC and the Welding Research Institute of Osaka University.

This will establish research collaboration and academic exchange agreements between the CRC partners and the University Institute in Osaka.

Naturally, this will facilitate collaboration between the CRC researchers at the University of Wollongong and those in Osaka and will contribute to the development of the University of Wollongong as a key international centre in materials welding and joining.

## THE CHAPEL PERILOUS

by Dorothy Hewett

### Third Year Student Production

*The Chapel Perilous*, written in 1971, is often regarded as Dorothy Hewett's definitive work. Based on a diary that she kept between the ages of 16 and 19 years, *The Chapel Perilous* celebrates the life of an emerging female writer as she contends with the forces of convention that surround her. In her inimitable style Dorothy Hewett fills this play with zestful theatricality and provocative songs.

**Dates:** 26 May 8pm, 27 May 8pm, 28 May 8pm, 29 May 2pm and 8pm  
**Venue:** The Performance Space, University of Wollongong  
**Admission:** Adult \$14. Concession \$6.

**Bookings (042) 21 4214**

## Masters student undertakes diabetes study

When faced with her major project for her Master of Public Health, Jennifer Matthews had no hesitation in deciding to research an aspect of diabetes management.

Jennifer has been employed by the Illawarra Area Health Service as a consultant diabetes educator for the past eight years and decided for her major project to determine 'What Influences General Practitioners to refer Diabetic Patients to a Specialised Diabetes Education Service'.

In doing so Jennifer interviewed 40 local GPs.

She questioned them on a wide range of issues related to their perceptions of the Diabetes Education and Information Unit to the importance of diabetes management.

The results of this research were of interest to diabetes educators Australia wide, leading to Jennifer presenting her results at the Australian Diabetes Educators' Association and the Australian Diabetes Society annual scientific meeting held in Adelaide in October 1992.

This meeting was attended by dietitians, diabetes educators and endocrinologists from throughout Australia.

Jennifer's presentation and accompanying poster was successful in winning the annual Hoechst Award for the best poster discussion.

Jennifer would like to extend her appreciation to Ms Rhonda Griffiths and Professor Ross Harris for their support and supervision throughout the year.

## Australian and Canadian children in video conference

The University Centre in Sydney was the venue for a unique video conference between music and art academics at the University of British Columbia, and staff from the Conservatorium of Music in Sydney and the University of Newcastle.

Also involved in the video conference on 20 May was a group of children from Gosford, on the NSW Central Coast, and children in Vancouver.

Dr David Goldsworth, Department of Music, The University of New England - Armidale will also be participating via a multi-point hookup with The University of New England.

The purpose of the video conference further tested the suitability of video conference technology for an educational setting, concentrating on early childhood education in Art and Music.

Academic staff at the University of British Columbia's Department of Visual and Performing Arts in Vancouver included Dr Glen Dixon, Dr Anna Kindler and Dr Peter Gouzouasis.

Also in Vancouver were Dr Leonard Burtenshaw of the Sydney Conservatorium of Music, a visiting lecturer at University of British Columbia.

Dr Burtenshaw pioneered a number of music education video conferences in 1992 at The University Centre and is continuing this innovative practice while teaching overseas.

Australian teachers at The University Centre were:

- Professor Jim Clamp, from Uni-



### The University Centre News

versity of Newcastle, Department of Design;

- Dr Keith Russell, University of Newcastle;

• Margaret Smith, lecturer at the Newcastle Conservatorium; and

- Michael Stanley, lecturer at the Sydney Conservatorium.



**ITC Centre for Advanced Manufacturing and Industrial Automation**  
**The Illawarra Technology Corporation Limited**

### *Short Course on Quick Changeover Manufacturing (QCOM)*

**16 June 1993**

Successful manufacturing in the 1990s will increasingly necessitate product innovations and flexibility to satisfy customer requirements - on time.

This requires quick re-setting between production runs. The course introduces techniques for achieving such 'Quick Changeover', based on the well-established (Japanese) SMED system: 'Single-Minute-Exchange-of-Dies', one of the most effective ways for reducing lead-time and achieving JIT production.

Topics include systematic changeover problem analysis, QCOM techniques, their application and benefits, flexibility and economic considerations, and QCOM as a basic part of JIT and TQC. Case studies and a workshop will concentrate on implementation issues.

**Course Fee:** \$325 per person (Certificate & Notes provided)

**Registration and Further Information:**

Mr William Perry or Mrs Nadine Eager

Phone: (042) 21 3354, 26 8909 Facsimile: (042) 21 3101, 26 8815

Venue: The University Centre, Level 11, 210 Clarence Street, SYDNEY

## HOPE THEATRE

Bookings phone 21 4214  
Western Entrance, Northfields  
Avenue.

26-29 May, **The Chapel Perilous**,  
Janice Haynes.

30 May: **The Illawarra Choral  
Society**, conducted by Bob Smith,  
of the Faculty of Education,  
presents Bach's Magnificat in the  
Hope Theatre at 5pm.

30 May: University of Wollongong  
**Conservatorium Junior and  
Youth Choirs** will perform at the  
Lifeline Concert at Wesley Church  
in the Mall at 2.30pm. The pro-  
gramme includes works by  
Handel, Mozart, Britten and many  
traditional and folk arrangements.  
Entry by donation to Lifeline.

5-7 June: **Regional Poets Co-op  
Conference**, 9am-10.30pm, Ron  
Pretty.

## LONG GALLERY

Enquiries 21 3996. Building 25.  
Opening hours Mon-Fri 9am-4pm.  
Sun 1.30-4pm. Visit the Gallery  
Shop.

28 May-20 June: 'Them and Us'.  
**Environmental exhibition**,  
"Aquarelle" watercolours by Jelle  
van den Berg and visual poetry  
exhibition.

28 May-2 June: *Crossing Cultures* An  
**exhibition of works by inter-  
national students**. (Also ex-  
hibiting at the Illawarra  
Technology Centre from 11-25  
June)

## ART OF LUNCH

Music auditorium 12.30pm.

27 May: **Scottish concert pianist**  
Roy Howat in a return recital.

## GENERAL

3 June: An **evening seminar of  
The Australian Society for  
Microbiology**, South Coast Re-  
gional Group, in the Department

## What's On

of Biological Sciences, to discuss  
microbe-related health topics, at  
building 35, lecture theatre G19, at  
8pm (to be preceded by buffet din-  
ner at 7pm in the Department tea  
room). Program: HIV Infection in  
the Illawarra Sexual Health Clin-  
ics, Dr S Davies. Parasitology ...  
What, Why, and How Much?, Mr  
S Neville. Group B, Streptococcus  
in Pregnancy, Dr I Bedford. The  
Development of New Generation  
Vaccines Against Whooping  
Cough, Dr M Walker. Enquiries:  
Dr Salwa Woodroffe, ext. 4356. All  
who are interested are welcome.  
RSVP by May 31.

**Illawarra Committee for Over-  
seas Students** events for this  
year are: 31 July and 7 August,  
Snowy Mountains; 18 September,  
Blue Mountains; 26 and 27 Sep-  
tember, Canberra; 16 October, Syd-  
ney Aquarium and harbour cruise;  
4 December, Australia's Wonder-  
land. Tickets and details are avail-  
able from ICOS office, 3rd Floor,  
Union Retail Centre on Tuesday,  
Wednesday and Friday from  
9.30am to 2pm or phone 21 3158.

10 Oct: **Annual University Serv-  
ice** at 7pm at St John's Anglican  
Church, Eastern St, Gwynneville

Considering further study or just  
some recreational reading? Visit  
the **University Graduates  
bookshop and gallery book  
sale** at Campus East, Fairy  
Meadow. The stock of used books  
covers: Science & Engineering,  
Social Sciences, Arts & Music, Edu-  
cation, Fiction & Non-Fiction,  
Young Readers' Stories & Clas-  
sics. Open every fourth Saturday  
and Sunday of the month from 1-  
5pm, the bookshop is located at  
Cowper Street, Fairy Meadow (op-  
posite the Science Centre). Your  
donations of any material are in-  
vited. These may be left any week-

end afternoon at the Science Cen-  
tre (Please mark "Booksale"), or  
The Library or Students Enquiry  
Desk during the week.

**Animal Experimentation Eth-  
ics Committee** meeting dates,  
with agenda deadlines in brack-  
ets, are: 9 August (30 July); 22 No-  
vember (12 November).

**Human Experimentation Eth-  
ics Committee** meeting dates  
with agenda deadlines in brackets  
are: 13 July (29 June); 24 August  
(10 August); 5 October (21 Sep-  
tember); 16 November (2 Novem-  
ber); 21 December (7 December).

Submission of papers for the **Un-  
dergraduate Studies Commit-  
tee** must be given to Trevor James  
by 5pm, on the following dates: 29  
June, 1 September and 26 October.

The University Centre in Sydney  
has a display on **Communica-  
tions and Social Science** from  
the University of Wollongong. The  
next display scheduled to open on  
14 June is Education and Health.  
Ideas for displays are always wel-  
come. If academic staff would like  
to suggest ideas and contribute  
material they should contact  
David Fuller, Planning and Mar-  
keting

## Stop Press

Department of  
Business Systems

### SEMINAR

Mr R. Dean, Lecturer, School of  
Information Systems, UNSW

Friday, 28th May 1993, 12.30 pm,  
Kemira Room 4, University Union

"Small Group Behaviour in  
Information Systems  
Development"

*Campus News* is published weekly on Wednesdays. Send material,  
preferably by Microsoft Mail or on disk, to Gillian Curtis (042) 21 3110  
by noon on Monday of the week before that of publication