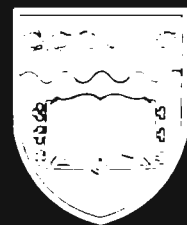
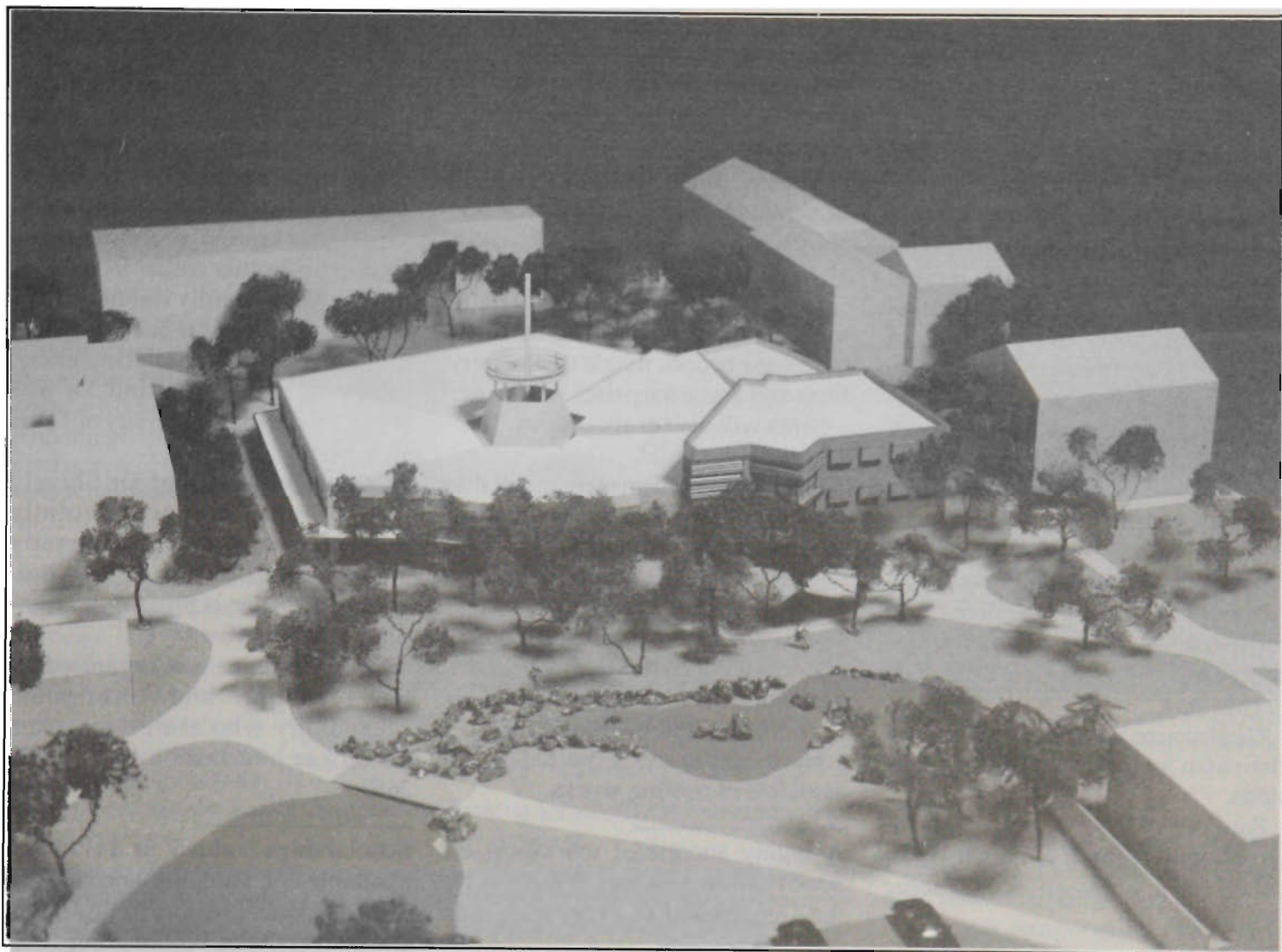


# UNIVERSITY OF WOLLONGONG CAMPUS NEWS



Number 31

Wednesday, 25 November 1992



*A model of the Pentagon reconstruction. The Administration Building is in the foreground. Building 19 is on the right.*

## Pentagon reconstruction will provide benefits

Construction of the \$4million Multimedia and Open Learning Laboratory (MOLAB), located on the north-west of the Pentagon, has begun.

The project will involve :

- Construction of an extension to the north-west to provide studios and laboratories to facilitate the produc-

tion, transmission and receipt of educational material via electronic media.

- Refurbishment of the theatres to incorporate state of the art multimedia teaching aids and improved levels of comfort.

The project will be completed in two stages.

Stage one – theatre refurbishment, internal works and southern and eastern facades – will be ready at the end of February 1993.

The Pentagon (including all the Store Rooms) will be totally inaccessible during this period.

Stage two – new building extension

*Continued page four*

## Brief News

Dr A.B. Sim of the Department of Management participated in a symposium and workshop on 'Asia Pacific Symbiosis - in Quest of Business - Economic Reciprocity' organised by the Kyushu Sangyo University in Fukuoka, Japan from November 2-5.

Eleven researchers and experts from the Asia Pacific region, including the US and United Nations were invited.

In the open symposium attended by business and public sector leaders, Dr Sim presented a paper on the Internationalisation of Australian Business in the Asia Pacific region, and participated in the open discussion on prospects and problems of Asia Pacific symbiosis.

In the workshop, attended by researchers, professionals and academics, the panel discussed in depth the research findings of the invited participants from the Asia Pacific countries.

Dr Sim presented results from his research project on problems and prospects of Australian businesses and direct investments in the Asia Pacific area.

He also acted as commentator and chairman of other workshop sessions.

Findings of the research in this international research project are published as a book on Asia Pacific Symbiosis.

Director of the Statistical Consulting Service, Ken Russell, will be absent on study leave from 2 December until 2 July, 1993.

David Steel will be acting director while Ken is away. However, as David will himself be overseas doing research for two months from mid-December, the following arrangements will apply over the summer period:

- Until 11 December: normal operation
- 12 December - 17 January: no service
- 18 January - 15 February: limited service
- From 16 February: normal operation.

This service is available for academic staff and postgraduate (not Honours) students doing research or a major project.

Staff or students with external research funding must pay for the service; those without funding receive a maximum of 10 hours per year at no cost to themselves. (The figure of 10 hours is under review, and may be decreased.)

At all times, appointments must be made by telephoning the Secretary of the Mathematics Department, ext. 3130 or 3845.

Susan Rowley has been elected unopposed to the position of Academic Staff Member of the University Council.

Ms Rowley's term of office will be for three years beginning on 1 January 1993.

Three people - Felicity McGregor, Raymond Stace and Anthony Kent - were nominated for the position of Non-Academic Staff Member of the University Council.

Voting papers have been sent out to those non-academic staff eligible to vote. Voting closes at 5pm on Friday, 4 December.

The Children's Christmas Party will be held on Saturday, 5 December at 11am on the field west of the Recreation and Sports Centre.

A picnic carnival atmosphere will be created by the usual sausage sizzle, plus free drinks, ice blocks, chips and sweets.

There will be plenty of entertainment - hay rides, fire engine rides, merry-go-round, magic castle, fairy floss and some surprises.

Santa will visit at about 2pm. Tickets are \$8 per child.

Nomination forms are available from Lionel Ransley at the Printery or Roger Davey, Financial Services. Helpers are also needed.

The 1993 Undergraduate Calendar and 1993 Postgraduate Calendar are available on the Administration Server under Public Information.

Hard copies are expected to be available in coming weeks.

A highly successful workshop on Specification Analysis organised by the Department of Economics was

held on the 9 November.

Interstate and international participants heard papers from distinguished presenters including ProVice-Chancellor, Delhi University, Professor A. Nagar, and internationally known econometrician, Professor Frank Vella from Rice University (presently visiting ANU), Head of the Department of Econometrics at Monash University, Professor Max King, and Dr T S Shively from the University of Texas at Austen.

Professor King and Dr Shively gave a paper that was recently presented at Harvard University on *Hypothesis testing when a nuisance parameter is present only under the alternative*.

The conference was organised by Ed Wilson and Khorshed Chowdhury who can be contacted for further information on (042) 21-3663.

Scholarships valued at \$1100 are available for students enrolling in 1993 as Double Majors in Physics at the University of Wollongong.

These scholarships are for one year only.

Applicants should have completed their HSC in 1992 and attained a high aggregate score including a high level of performance in Physics and Mathematics.

Such a performance in Chemistry also may be an advantage. Equivalent qualifications from outside NSW will be considered. Preference will be given to a female student for one of these awards. Applications close on 18 December.

Full details are available from Secretary, Department of Physics, tel. (042)-213517.

# Help for graduates seeking employment

The Careers and Appointments Service has initiated steps to counteract the impact of a diminishing labour market for graduates.

Nursing graduates will benefit from a book, *A Guide to Nursing employment in NSW*, launched on 12 November.

Careers and Appointments Officer, Patricia Webster, as a member of a committee representing universities with nursing studies, assisted with the promotion and production of this book, which is available to nursing graduates for \$2.

A videotape to supplement the book is also available for viewing from Careers Services and Nursing faculties.

The Careers and Appointments Service is extending its assistance to students generally through the introduction of computer-aided programs.

Recent developments are:

- The introduction of 'TEN' – The Employment Network. This is a database of graduate information that is made accessible to employers through a modem to a Sydney base.

All graduate personal details (name, address, etc) remain with the Careers and Appointments Service, therefore ensuring confidentiality and support from the Careers and Appointments Service.

The introductory stage of this graduate placement program is being made available first to longer-term unemployed graduates and to students taking the initiative to seek assistance before leaving the university.

After a suitable testing time, and an increase in employer participation, it will be advertised openly with the aim to process all pending graduates still



*Associate Director, Careers and Appointments at Sydney University, Sheila Mylvaganam, and University of Wollongong Careers and Appointments Officer and State President of the National Association of Careers Advisers, Patricia Webster, at the launch of the book, A Guide to Nursing Employment in NSW.*

looking for work each November, into the database.

The program is also a part of the initiative to heighten the awareness of graduate employment into small and medium size businesses.

Other services on computer are:

- The Directory of Higher Education Courses 1993. This is installed on computer so that information on university, TAFE and postgraduate courses can be easily accessed.

- JAC – 'Job and Course Explorer'. This is a computerised information system with information on job descriptions, courses of study, institutions and a section on regions e.g. Illawarra.

- SIGI - System of Interactive Guidance and Information. This program helps students re-assess some of their earlier career decisions. It deals with values, interests, skills, related educational needs and more. Students can print out the information as it applies

to them.

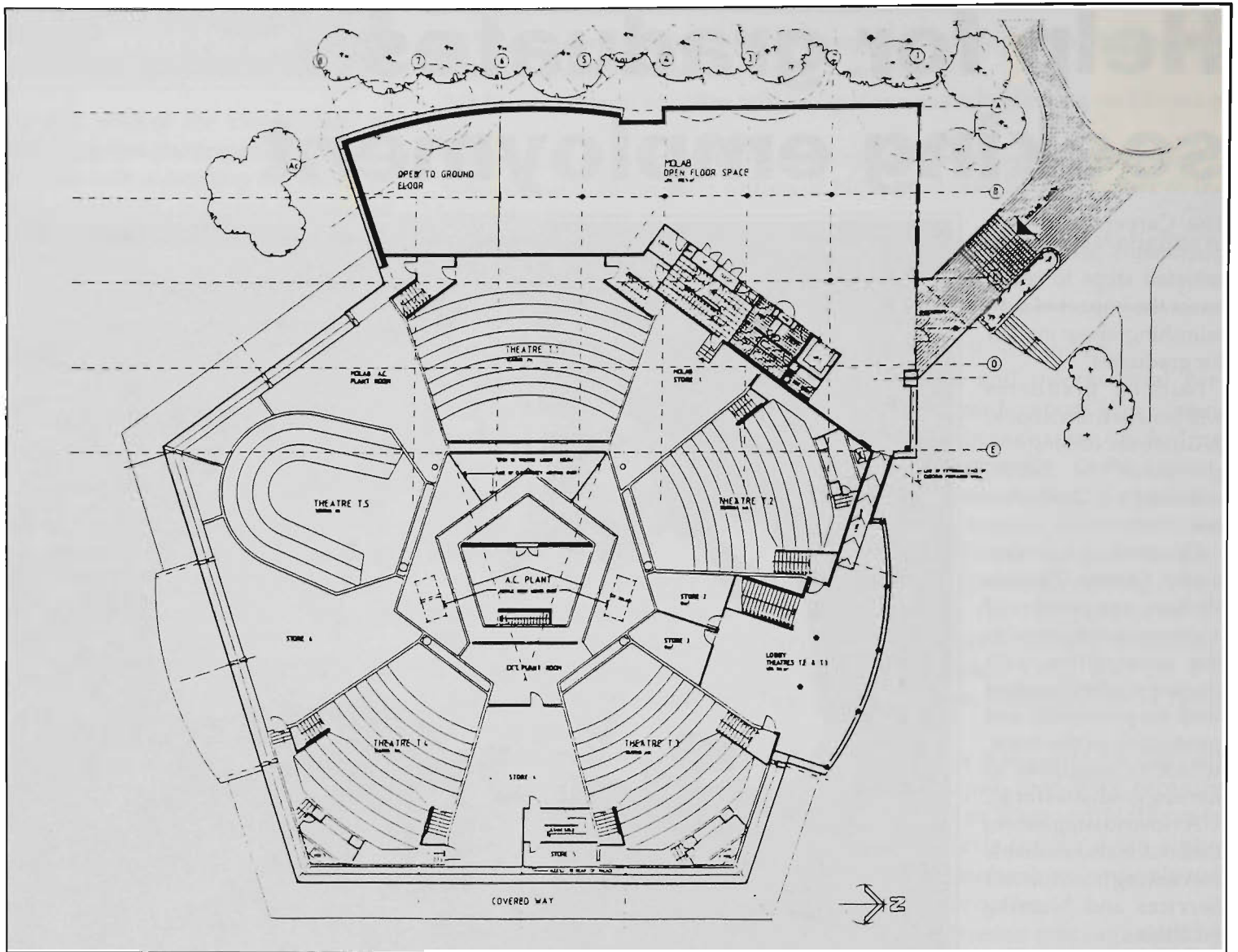
Still in the developmental stage is CISCL, Computer Information System for Careers Libraries.

This is a computerised directory of what is in the careers library. It helps in promoting the self-help component in careers education as SIGI does.

This program is still being developed for our own careers library, but will be useful when completed to advise students of the whereabouts of material we hold and the material we are unable to hold.

All computer-assisted information is supported by career advice and is a part of the graduate career development aspect of the Careers and Appointments Service.

Emphasis in 1993 will continue to be given to developing resources which will enable graduates to gather appropriate information and assistance for their employment prospects.



From page one

and north-western facade – will be completed in July 1993.

The theatres will be available for teaching during this time, although there will naturally be some construction noise, however the builder will try to keep this to a minimum during lecture times.

To minimise the number of trees to be removed, much of the external

## Pentagon reconstruction to provide many benefits

brick work to the walls will be constructed from the inside.

This procedure, although less practical, has been specified to minimise the loss of trees on the building site.

The Pentagon Audio-Visual Store

has been temporarily relocated to a demountable situated immediately east of building 43.

That is about 50 metres from the tennis courts and near building eight.

Manfred or Phil will assist you with audio-visual equipment loans from the new temporary location.

The A.V Store will be back in action for the new year's teaching program in an improved larger facility in the Pentagon.

Principal contractor for the project is A & M.I. Hanson Pty Ltd (Wollongong).

The architects are Graham Bell and Bowman Pty Ltd and the consulting engineers are James Taylor and Associates (Structural) and TWA Consultants Pty Ltd (Elec. Mech. & Hydraulics)

### Centre for Staff Development seminars and workshops

**Thursday 26 November** – Union Board Room, 12:30-1:30. Bill Chia, University of Western Sydney: The Application of Computers to Teaching. (No booking required)

**Monday 30 November** – Lecturing in the Hope Theatre

**Thursday 10 December** – Union Function Room 40-4, 12:30-1:30. Merrelyn Emery, Australian National University: The Use of Television in Education. (No booking required)

Bookings accepted if there are vacancies, phone Val Roberts, ext. 3618.

The Centre for Staff Development is developing a plan for the training and development of teaching staff who will be involved in delivering postgraduate courses through television. They would like to form an interest group of staff here who have experience in forms of distance/external education, and/or have an interest in keeping informed of progress in this area. If you would like to register your interest, please contact Liz Ellis by E-mail or ext. 4101.

# Environment process

## goes commercial

Regular readers of *Campus News* will be aware of the innovative waste management process, ENVIRONMENT, developed by the Illawarra Technology Corporation, in partnership with the Water Board and Pacific Power.

The process, known also as the molten slag process, breaks new ground in the treatment and disposal of contaminated sewage and metal wastes.

The importance of the process for Australia's waste management challenge was endorsed by the Independent Panel on Intractable Waste in its report *A Cleaner Australia*, published on 6 November.

This was timely recognition, as the process has completed a rigorous testing phase and is ready for commercial scale operation, as was explained in media briefings held in Wollongong and Sydney on 12 November.

At the briefings, it was announced that ITC, Pacific Power and the Water Board are about to enter a new phase of development of the process, with the commissioning of a \$500,000 electric arc furnace at Coniston.

At the Wollongong media briefing, ITC Resources General Manager, Paul Howlett, thanked the many organisations and individuals in the Illawarra who had helped with the develop-

ment of the technology.

'The process is a safe and effective alternative to the high temperature incinerator which the Federal Government has rejected on the advice of the Independent Panel on Intractable Waste,' Mr Howlett said.

'It is a pollution-free and practical alternative to waste disposal by landfill. It can also be adapted to handle many other hazardous wastes, like heavy metals, dry cell batteries, syringes and tyres.

'It is a viable technology for the 21st Century. It's not about disposal—it's all about the economic recycling of what would otherwise be dangerous wastes.'

As well as treating sewage and other heavy-metal sludge, the process also offers a solution to the costly disposal of steelworks dust.

In the early stage of processing, steelworks dust is added to sewage to extract metal solids. So the process is obviously of special interest for the Illawarra region.

ITC Chairman, George Maltby, hosting the Sydney media briefing on 12 November, emphasised the national and international potential of

the technology.

'In telecommunications, a field in which I've had quite a bit of experience, you always think about technology in global terms: is there anything better around the world, will this work internationally, will we be able to export it as well as use it here?' Mr Maltby said.

'That's the kind of challenge that the Illawarra Technology Corporation enjoys.

'The Corporation, like its shareholder the University of Wollongong, has a commitment to helping industry and government develop appropriate technologies, which can be applied in acceptable way.

'I believe we've got a winner here—not just in terms of New South Wales or Australian usage, but as a highly exportable technology.'

Technical information on the ENVIRONMENT process is available from ITC and there is a 12-minute video presentation, which can be viewed by appointment.

For further information or arrangements to see the video, call Jeune Eshman, tel. 26 8821.

## Proposed traffic restrictions on campus

The EEO Disabilities Sub-Committee has proposed amendments to the Campus Access Rules to limit the riding of bicycles and to prohibit the riding of roller-skates, roller-blades and skateboards on campus.

In reported incidents, pedestrians, and especially disabled people, have been placed in danger of serious accidents by riders using the campus footpaths.

The amendments were endorsed by the Students Representative Council and by the Occupational Health and Safety Committee which recommended them to the Administrative Committee of the University Council for approval.

The Administrative Committee has considered the proposals sympathetically but would appreciate receiving comment from interested members of the campus community before determining the changes to the Rules.

In summary, the changes would prohibit:

- the riding of bicycles on the pathways inside the campus ring road unless specifically authorised by the Vice-Princi-

pal (Administration);

- the carriage of bicycles into University buildings, including private offices;
- the riding of roller-skates, roller-blades and skateboards on any part of the University campus.

The prohibitions would apply on the weekends as well. However, the restrictions would not prevent the "walking" of bicycles on footpaths between buildings.

The Administrative Committee fully encourages the riding of bicycles to and from the University and accepts that the changes would need to be accompanied by the provision of appropriate covered bicycle shelters.

It sees no good reason to have the other forms of recreational traffic on campus and is concerned about the safety issues which are likely to become more acute with the completion of the footbridge across the expressway.

Forward any comments on this issue to Lynn Woodley, Minute Secretary to Council, Academic and Student Services



The Australian Vice-Chancellors' Committee held a three-day retreat and meeting at the University of Wollongong recently. The photo of vice-chancellors from all States includes President, Professor Ken McKinnon (front fourth from left), President Elect, Professor Robert Smith (front third from left), and Pro Vice-Chancellor Papua New Guinea University of Technology Dr James Kaiulo (front far right).

## AVCC welcomes quality report

The Australian Vice-Chancellors' Committee has welcomed the Higher Education Council's Report, *Achieving Quality*, which deals with maintaining and enhancing quality in the Australian higher education system.

AVCC President, Professor Ken McKinnon, said the

committee welcomes the recognition of both the Minister for Higher Education and Employment Services, Mr Baldwin, and the HEC through the report that universities are best placed to decide appropriate quality assurance measures within institutions.

'Australian universities are confident that they compare favourably with universities anywhere in the world,' Professor McKinnon said.

'They are happy to demonstrate their quality and to be publicly accountable.

'The AVCC is pleased that Mr Baldwin has guaranteed that the proposed Committee for Quality Assurance in Higher Education will not be intrusive to institutions and will respect institutional autonomy.

'In particular, it supports his decision that the new body will report directly to the Minister rather than through any other organisation. It is important that such a committee has direct access to the Minister.'

Professor McKinnon said the AVCC looks forward to consultation with the Government on a suitable person to chair the Committee and on ways in which the membership will be defined and appointed.

The AVCC will work with the Interim Chair, Professor Ian Chubb, who is also the Chair of the HEC responsible for the report, to ensure that the implementation phase fulfils the wishes of both the Government and the universities that the new body does result in genuine quality enhancements in higher education.



### Postgraduate Re-entry Scholarships for Women

Applications are invited for two scholarships for women graduates who have had their careers interrupted for a minimum of two years due to family commitments. Applicants will be expected to have had at least three years professional experience after graduation.

The scholarships will enable the holders to update their professional knowledge and research skills, and preference will be given to women with a background in science and technology. The successful applicants will enrol in one of the University's postgraduate research degree programs. The value of the scholarships is \$14,260\* p.a. and will be available from March 1993.

Interested women graduates should submit an application which will include the names of two referees and details of their academic record and professional experience. In addition, candidates are to provide a one-page statement setting out their career plans, their proposed area of study, and their perceived needs for updating. The University will pay particular regard to this statement in the selection process. Closing date for applications is 14 December 1992.

Further details and an application form can be obtained from the Equal Opportunity Co-ordinator on (042) 213-917.

Applications should be submitted to:

**The Research Office,  
Administration Building,**

**University of Wollongong, Northfields Avenue, Wollongong 2522.**

\*1992 rate subject to annual review.

Theft is a serious issue that causes trauma and often hardship to individuals.

It is practically impossible to completely eliminate but it can be minimised through diligence at all levels of the organisation.

There is much you can do:

1. Secure all attractive items (purses, wallets, handbags). This means not leaving them in a desk draw but placing them under lock and key);
2. Secure your office if possible dur-

ing vacant periods;

3. Ensure tight control over keys and review, with Buildings and Grounds, your present practice on the securing and issue of keys.

4. Secure the office at the completion of the working day;

5. Enlist the aid of the Security Manager (ext. 3916) to conduct surveys of security procedures in your area;

6. Identify and arrange for the fitting of appropriate locking devices to portable equipment. Gary Kelly (ext. 3813) can advise on the subject of securing PCs; purchasing can also assist with suppliers of PC security systems.

## New roundabout planned

The Roads and Traffic Authority (RTA) will build a roundabout at the eastern end of the bridge over the F6 in University Avenue.

Manager, Buildings & Grounds, Kevin Turnbull, said that while it will cause some inconvenience during construction it will, on completion, assist those trying to leave the F6 southbound and eliminate the need for those very irritating U-turns.

In addition the former F6 exit ramp (northbound) will be reinstated as a "Left Turn Only" exit. This work is planned for the quieter period from early December 1992 until mid February 1993.

## Staff News

The Academic Conditions of Appointment Documents state that recreation leave is available each year and should be taken as far as possible in vacation times.

Annual leave loading is payable and leave must be taken annually and may not be accumulated.

The Academic Staff Conditions of Employment Award does not stipulate an entitlement for recreation leave.

The University follows the provisions of the NSW Annual Holidays Act which provides for 20 working days holiday for a completed year of service.

This is in addition to this University's shut down period between Christmas Day and New Years Day, and public holidays.

The Administration does not record details of annual leave accrued and taken by academic staff and Heads of Academic Units are responsible to ensure that leave is taken in accordance with entitlements.

As a general rule, it is expected that leave will be taken during the major recess periods.

It is emphasised that leave must be taken annually and may not be accumulated.

In respect of academic staff in a Contract Appointment, annual leave accrued during the term of the appointment must be taken prior to the end of the contract period.

# You can minimise theft



## DEPARTMENT OF BUSINESS SYSTEMS

SPECIAL SEMINAR

Mr M Cassidy, MBE

Economic Analysis Branch

Department of Employment, Education and Training

Monday, 14 December 1992, 10am,  
University Union

*Education and Training Needs of Computing Professionals in Australia*

### ABSTRACT

Information technology is one of the world's fastest-growing industries. So it is imperative that Australia meets the challenge of the industry's education and training needs.

Australia has just taken a bold step in this field. The Federal Department of Employment, Education and Training has just released a report that forecasts the education and training needs of the nation's computing workforce.

The report, 'Computing Education and Training Needs', is the best guide yet to Australia's workplace demands up to the year 2000.

The report covers 15 broad groups of computing professionals and para-professionals. It was prepared by the Andersen Consulting Group of Arthur Andersen & Co under the guidance of industry, education and government representatives.

The report is based on a survey of current workplace activities. It forecasts changes in information technology activity and, from the survey, subsequent changes in work functions.

All interested parties are welcome to attend.

**THINK SECURITY. THINK SAFETY. FOR ASSISTANCE PHONE 213936**

## HOPE THEATRE

Bookings Ph 214214  
Western Entrance Northfields Ave

5 Dec: **BHP Youth Orchestra concert** 8pm. This will feature two postgraduate students in Creative Arts performing as soloists with the orchestra: Lyndall Dawson (piano) will play the difficult Burleske for Piano and Orchestra by Richard Strauss, while Amelia Koh (soprano) will sing music by Vivaldi and Mozart. In its own right, the orchestra will play the wonderful Schubert Unfinished Symphony, and music by Grieg and Delius. This notable occasion will also see the new Kawai grand piano begin its concert career in the theatre.

## LONG GALLERY

Enquiries 213996 Building 25  
Opening hours Mon-Fri 9am-4pm. Sun 1.30-4pm. Visit the Gallery Shop

Until 13 Dec: **Graduating exhibition.**

## GENERAL

Until 29 Nov: **Australasian Drama Studies Association 1992 Conference**, hosted by the Department of English and the School of Creative Arts. Speakers include: Maori playwright, Roma Potiki, Koori actor Lydia Miller, Des Davis, (Theatre South), playwrights Katherine Thomson and Wendy Richardson, and David Watt, Paul Brown and Fiona Winning from the Death Defying Theatre. Enquiries to Kate Newey, John Senczuk and Maurie Scott, tel. (042) 213-677, fax (042) 213-377.

27 Nov: The **Women's Issues Group's third Annual**

## Stop Press

**Campus News is published weekly on Tuesdays during Autumn and Spring sessions. Send material, preferably by Microsoft Mail or on disk, to Gillian Curtis (042) 21 31 10 by noon on Monday of the week before that of publication**

## What's On

**Dinner** will be held for members and friends in the Union Function Room at 7pm for 7.30pm. Speaker Tenzin Norbu will talk on Life in Bhutan. The evening costs \$20 for a smorgasbord, wine and orange juice. Enquiries to Moira, tel. 84 3741.

28 Nov: The Department of Management's end-of-year **Dinner for Graduating Students** to be held at the Fraternity Club, Bourke Street, Fairy Meadow at 6.30pm for 7pm - till late! Dress is semi-formal. The cost is \$18 per person. Enquiries to: Joan Phillips, Dept Management, (042) 21 4044; Donna, Campus Pharmacy, (042) 26 2363; Robyn Foster, Dept Management, (042) 21 3707. Tickets will be available from Robyn Foster in Room 116 (Bld 40)

4 Dec: The agenda deadline for the last 1992 **Human Experimentation Ethics Committee meeting.** It will no longer be possible to table late items. Late applications will be held over until the next meeting. Contact Kim Roser, ext. 3079.

**Call for presentations:** Education for a Global Society. International conference 4-9 July The University of Western Australia. This conference will focus on the development of teacher training programs which provide teachers with a global perspective, a universal value orientation and competence in evaluating curriculum materials. any one who would like to participate write to Dr Majorie Tidman, PO Box 1044, Carnarvon WA 6701.

9 Dec: The University Careers and Appointments Service and Vivien Twyford Communication Pty Limited present two **skills development courses** on Writing and Presenting an Effective CV or Selling Your Skills on Paper and Interview Skills or Selling Your Skills in Person. These courses will emphasise the skills needed for graduate employment strategies. The writing course runs from 12am until noon while the interview course is from 1-3pm. Both will be held in the Kerima Rooms. Each seminar costs \$15. Contact Patricia Webster, tel. 21 3324/5.

## STAFF

30 Nov: **Development leave applications** for General Staff close. For further information Ann Kiceluk, ext 4284.

30 Nov: Deadline for nominations for the 1993 **Vice-Chancellor's Award** for Outstanding Service by General Staff. These must be forwarded to the Head or Unit Manager, who must submit the nomination by 11 December. Enquiries to Ann Kiceluk, ext. 4284.

11 Dec: Deadline for nominations for **Vice-Chancellor's Award** for excellence in teaching. Forms from Personnel Services. Nominations should be submitted to Faculty Deans.