

# CAMPUS NEWS

## Senator Chris Schacht opens Cooperative Research Centre

The Federal Member for Science, Chris Schacht, in association with the Vice-chancellor Professor Ken McKinnon and Dr Don Williams, officially opened the Cooperative Research Centre (CRC) for Materials Welding and Joining on Friday 26 November at the Illawarra Technology Centre.

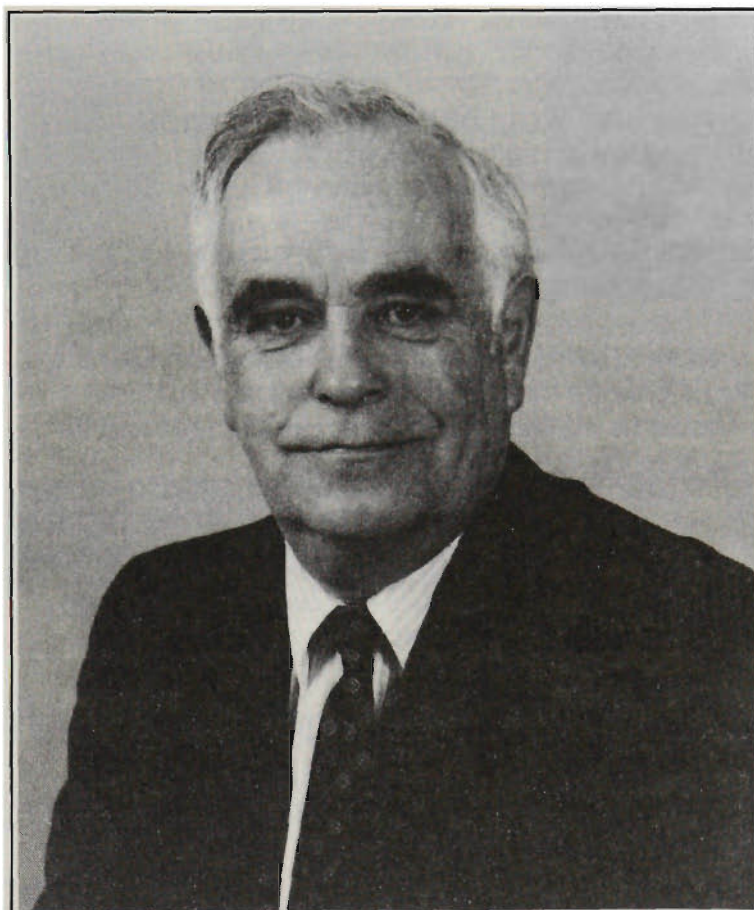
The CRC for Materials Welding and Joining was established in July 1993 as one of the centres supported under the Australian Government's Cooperative Research Centres Program to promote collaboration in research and education between university, industry and government organisations.

### Agreement signed with Japanese welding researching institute

With headquarters at the University of Wollongong and a further centre in Adelaide, the CRC for Materials Welding and Joining brings together under a joint venture partnership the resources of ANSTO, BHP Steel, CSIRO, the universities of Wollongong and Adelaide and the Welding Technology Institute of Australia.

The CRC was most fortunate to gain the services of Dr Norman Eaton as the Executive Director.

Dr Eaton has an internationally distinguished career in the creation and management of welding research institutes in Canada and the United Kingdom. He is the immediate past



*Executive  
Director of the  
CRC for  
Materials  
Welding and  
Joining, Dr  
Norman  
Eaton*

president of the International Institute of Welding.

The Centre receives \$2 million in annual contribution from the Federal Government and annual funding and other resources support totalling \$3 million from the partners of the Centre.

The NSW Government, through the Science and Technology Council, has provided \$200,000 for specialist equipment for the Centre and just announced a further \$150,000 grant from the NSW Education and Training Council as a contribution to the development of a Postgraduate

Coursework Program in Materials Welding and Joining Technology.

The CRC has 14 major research programs under way, which are undertaken by the partner organisations and involve eight postgraduate research students working towards higher degrees at the Masters and Ph.D level at the Universities of Wollongong and Adelaide.

International collaboration links are being established between the CRC and international centres and the first of these, with the Welding Research Institute of Osaka University, Japan was signed in May.

## Library fines accruing

The Academic loan period for Spring Session expired on 30 November.

Fines will accrue on items that were not returned or renewed by this date.

Summer Session loans are available and items may be borrowed until 28 February.

If you have any enquiries regarding library loans, contact Loans Supervisor, Margie Jantti, ext 3330.

Reserve Collection enquiries may be directed to Frances Riva, ext 3331.

## Follow up from Islamic banking conference

Coordinator of the International Business Research Group in the Department of Economics, Associate Professor Mokhtar Metwally, was

invited to give a paper at the National Economic Summit held last week at the University of Technology, Sydney to explore directions for a new economic system.

His paper was based on his keynote address for the conference on Islamic banking he organised recently.

This conference has generated considerable interest including a request from the Reserve Bank of Australia, for copies of papers.

## SBS program 'Done Bali' had its origins in Wollongong.

The series 'The Cutting Edge' on SBS Television screened a program on 30 November that was inspired by a book written by Dr Adrian Vickers, De-

partment of History and Politics.

The book is about the image of Bali, how western images of Bali have changed from Bali, the savage island, to Bali, the paradise; how this contrasts with Balinese images of themselves, and how eventually the 'paradise' image has become the accepted view because of the importance of tourism to the Indonesian state.

Producer/director Kerry Negara first contacted Dr Vickers in 1990.

Last year he was flown to Bali to take the role of an interviewer/commentator, but in the final version of the documentary the emphasis was on Balinese presenting their views.

This was probably the first documentary to express Balinese and Indonesian views of Bali's direction and problems.

## More sporting facilities available

The Recreation and Sports Association's new tennis courts, located north of the swimming pool, are ready for use.

Contact the Recreation Centre for details, phone 28 1266 or ext. 3361 or 3362. Permanent bookings available.

## Nominations wanted for sports awards

Nominations are due for all sporting awards.

These include Blues, Colours, Club person of the year and Club of the Year.

Application forms and criteria for awards can be picked up and returned to Stacey Beer at the Recreation and Sports Association.

Inquiries to Ms Beer, phone 28 1266.

## UNIVERSITY OF WOLLONGONG RECREATION & SPORTS ASSOCIATION

# Sports Scholarships 1994

The Recreation and Sports Association, in conjunction with the University, is offering three Sports Scholarships in 1994. Applicants should be outstanding in their sporting field and be enrolling in the University in 1994.

Each scholarship is worth \$3000 per annum and will be renewable if academic, sporting and other performance standards are met. For further details and an application form please contact:

Paul Manning  
Executive Director

University of Wollongong Recreation and Sports Association  
Northfields Ave, Wollongong 2522  
Applications close: 28th January, 1994.

## ITS Staff Computer Training Calendar to 31 December

(Open to casual staff and postgraduates)

Intro to PowerPoint Pt 1	Macintosh	Tuesday 7 December
Intro to Macintosh	9.30 am-12.30 pm	Thursday 9 December
Intro to PowerPoint Pt 2	9.30 am-12.30 pm	Tuesday 14 December
Word Bridging 4.0-5.1	2 9.30 am-12.30 pm	Tuesday 14 December
Intro to Word 5.1 Pt1	1.30 pm-4.30 pm	Wednesday 15 December
Intro to Excel 4.0	9.30 am-12.30 pm	Thursday 16 December
Intermediate Word 5.1	9.30 am-12.30 pm	Tuesday 21 December
Intro to Word 5.1 Pt 2	1.30 pm-4.30 pm	Wednesday 22 December
	9.30 am-12.30 pm	

To attend one of the three-hour courses, staff will need to complete a Registration Form and have it signed by a Department Head or other person having delegated authority.

Forms are available from ITS Reception (Carole Evans).

Inquiries to: Vicki Ray, Staff Training Officer, ITS, Room 37, Building 15, ext. 4403. The cost of each three-hour course is \$30.

# Improvements to the water supply



*Project Director, Dr Greg Hampton, Regional Manager of the Water Board, Mr Greg Klamus and Director of the Environmental Strategies Group, Professor Jim Falk, prepare to brief the media*

Some Illawarra residents have become increasingly dissatisfied in the last few years with the quality of the water supply.

The Water Board has received complaints about stained washing and dissatisfaction with the taste and odour of water.

A community consultation program is being conducted on how the water supply in the Illawarra should be improved. The Environmental Strategies Group in the Department of Science and Technology Studies won the contract to conduct this study for the Water Board.

The Water Board had planned to build a water filtration plant at Farmborough Heights, but community opposition to the plant and questioning about whether the plant was necessary at all, led the Water Board to go back to the community to see what Illawarra residents prefer.

## Water Board consults the community

Community meetings have been held to find out what the community would prefer the Water Board to do about improving water quality.

Options have been suggested, including increased flushing and cleaning of water mains, bottled water, rainwater tanks, household water filters and multiple or centralised filtration plants.

The main preference of these meetings has been for a centralised filtration plant with some interest in increased cleaning of water mains.

The meetings also discussed where a centralised filtration plant should

be sited and most participants preferred a site in the Kembla Grange industrial estate.

There was also some interest in a site at Upper Avon Dam.

The Environmental Strategies group conducted a telephone survey of 1000 residents during November to assess the option the wider community prefers for improving the water supply.

Residents, randomly selected to participate in the survey, received an information sheet about the options before they were telephoned.

When the results of the survey are known a final series of community meetings will be held to discuss the option preferred by the community and the Water Board.

Enquiries about the project can be directed to the Environmental Strategies group at the University of Wollongong on 1800-646-414 (free call).





## RAAF band will return

The Hope Theatre was nearly booked out on Sunday 21 November when the RAAF Air Command Band gave a concert.

Also performing at the concert were the Conservatorium Choir, Corrimal East Public School Choir and vocal soloists Elsin Meyer and Janet Morris accompanied by David Vance.

A varied and entertaining program featured some golden favourites by George Gershwin and Glen Miller as well as works by Rossini and Delibes.

The RAAF produced two outstanding soloists from

their ranks, Stephanie Lambert and Malcolm Bateman who sang, among other works, a sensitive version of 'All I Ask Of You' by Andrew Lloyd Weber.

There will be other opportunities to enjoy the RAAF band.

Conductor David Worrell, a former student of the Head of the School of Creative Arts, Professor Barry Conyngham, said the band would always welcome the opportunity to play in such an excellent venue as the Hope Theatre. They will be a feature of the Festival of the Arts to be held at the University next year.

## Conservatorium end-of-year concerts



Stephanie Giesajtis

Stephanie Giesajtis will give a farewell piano recital at the Music Auditorium, School of Creative Arts on 2 December at 7.30pm.

Ms Giesajtis has been a piano student of Nan Price at the Wollongong Conservatorium of Music for 11 years.

In that time she has won many scholarships and competitions throughout NSW.

She was awarded her Associate Diploma in 1989 at the age of 13 and at the 1992 AMEB examinations was one of two Licentiate (L.Mus.A) candidates in Australia to gain a Distinction.

In 1992 she was overall winner of the Visual and Performing Arts Category of the St George Young Achiever Awards.

She has been chosen by Rotary Youth Exchange to stay in Austria

in 1994 where she will study at the Conservatoire of Graz.

The program includes works by Chopin, Liszt and Ravel.

The money raised at this recital will help pay for Stephanie's piano tuition in Austria next year.

Tickets: Family or donor, \$20; Adult, \$10, Concession, \$5.

Two concerts by Conservatorium students and BHP Youth Orchestra will be held as follows:

**Junior Performers Concert** on Wednesday 1 December at 7pm in the Hope Theatre.

**Gala Concert with BHP Youth Orchestra** and Senior Conservatorium Performers Friday 10 December at 7.30pm

Tickets and enquiries: Conservatorium, phone (042) 28 1122 or ext. 3533.



# Maths competitions identify the region's talented school students

Since 1990, the Illawarra High School Mathematics Competition, conducted for talented students by the Department of Mathematics, has been sponsored by the National Australia Bank.

This year, there were more than 50 competitors from 17 Illawarra high schools.

Cash prizes, with certificates, were presented to 17 students by Mr Mark Bradley, the Manager of University of

Wollongong Branch of the National Australia Bank, and Professor Philip Broadbridge, Head of the Department of Mathematics.

A special book prize was also presented by the competition organiser, Dr Philip Laird, to a first prize winner, Mr Kip Turner, of Year 9 at Bomaderry High School.

Kip Turner was also the winner in 1990 of the Illawarra Primary School

Mathematics Competition that has been conducted by Mr Ray Crawford of the Faculty of Education for many years.

The problems in the High School Mathematics Competition range in difficulty, needing to be capable of solution without advanced techniques, yet capable of posing a challenge.

The Illawarra High School Mathematics Competition is part of the Faculty of Informatics High School Enrichment Sessions in Mathematics, Applied Statistics, Computer Science, Information and Communications Technology, and Electrical and Computer Engineering.

The programme involves about six two-hour sessions after school for two groups — Years 8 and 9, and Years 10 and 11.

This year the program is organised by Dr Peter Nickolas of the Department of Computer Science.

**Mr Ray Crawford organised the Illawarra Junior Mathematics competition, which is sponsored by IMB.**

Some 1150 students from 115 south coast schools from Helensburgh to Eden entered this year's competition.

Mr Crawford said that although there was no significant difference between levels of difficulty of the questions this year, there was no single outstanding student whose mark was two or three above the rest of the group as there has been for the last 12 years.

This year five students got the same mark which was two ahead of the next group of marks.

The five winners were: Rudi Vann (Batemans Bay), Michael Griffiths (Berkley), Sam Fletcher (Kangaroo Valley), Shandos Cleaver (Thirroul) and Matthew Wheeler (Wollondilly).

Berkley public school had six pupils in the top four per cent.



Organiser Ray Crawford with the winners of the junior competition

# Wollongong researcher's \$42,990 for drug and alcohol abuse study

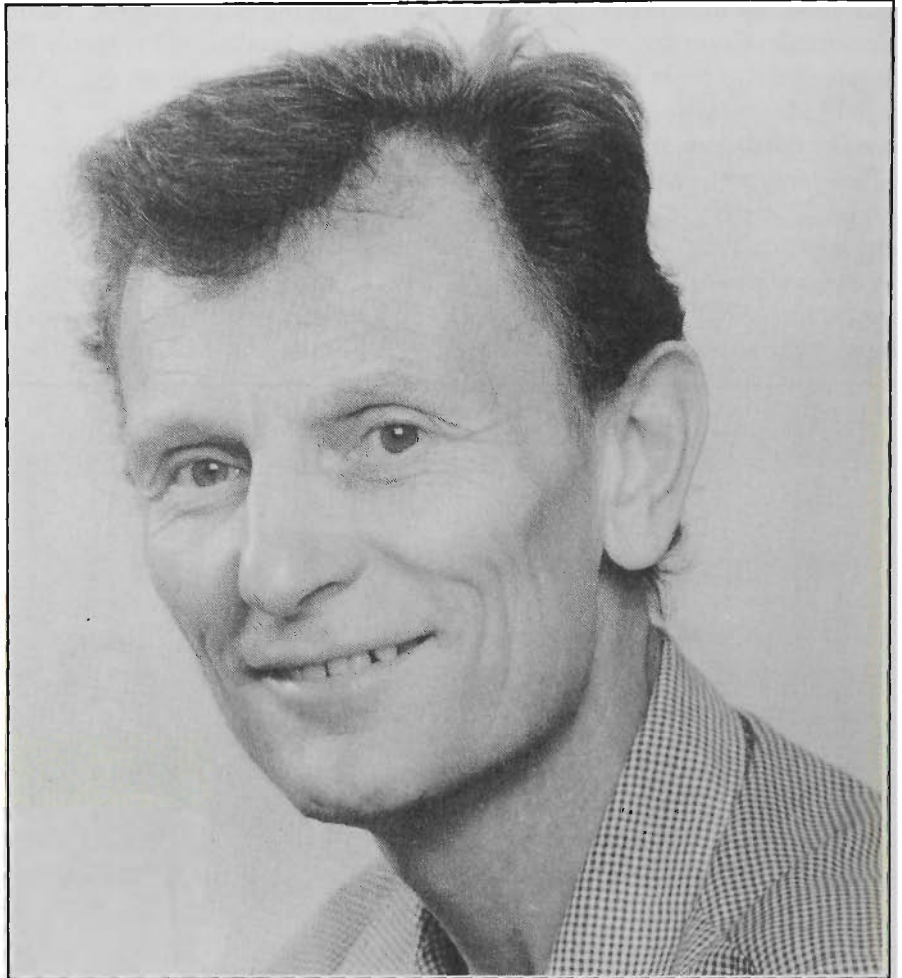
Dr Jeff Wragg, Department of Psychology, has been awarded a \$42,990 Commonwealth Health Department grant to study the organisation of treatment agencies.

The Research into Drug Abuse grant will fund the first 12 months of Dr Wragg's project, entitled 'Organisational and Treatment Restructuring in a Residential Treatment Agency: An Action Research Model'.

Dr Wragg's successful study is one of six new projects which will concentrate on the development of a range of intervention strategies having national applicability.

This study will produce a report that will be of great value to agencies in the drug and alcohol field contemplating the process of organisational and program change.

It will identify and examine the critical process associated with the management of change in treatment orientation, re-training and restructuring of a drug and alcohol treatment agency and in addition several training manuals will be developed for use by other agencies involved in drug and alcohol treatment.



Jeff Wragg

UNIVERSITY TENDER NO. 93/10

## SALE OF EQUIPMENT

A selection of computer equipment plus audio and video equipment is available for sale by tender.

Included in this equipment are a number of Apple Macintosh SE computers as well as IBM 286, Comtrad 386 and Sperry XT personal computers.

For a full list of equipment and inspection details contact Helen Ashton, Business Services, phone 21 3077.

The University offers no guarantee on this equipment.

Tenders must be submitted in a sealed envelope addressed;

University of Wollongong  
Tender 93/10  
Northfields Avenue  
WOLLONGONG NSW 2522

Tenders Close 10 December 1993.



# Kid's Uni recognised as a quality day care centre

The University's Child Care facility, Kid's Uni, recently became only the second day-care centre in Wollongong to receive accreditation.

Accreditation is an exacting process involving a period of self-study among staff and parents; a visit by a validator and a final decision by a commission of early childhood professionals.

Accreditation means parents can be confident that quality care is provided and that the centre enhances their child's development.

It covers a period of three years, but yearly reports are required to show the centre is maintaining the same level

of quality. Renovations and extensions to Kid's Uni started in the first week of November and will be completed for the first week of session next year.

The number of babies that can be accommodated will be increased from 12 to 15, however there is a long waiting list, especially in the baby section (0-2 years), so application forms should be submitted as soon as possible.

The current fees are: babies \$26 a day or \$120 a week; 2-5 years \$25 a day or \$115 a week; after-school \$7.20 a day or \$35 a week.

Fees will increase from 1 April 1994.

For information contact Trudy Ruiz, phone 21 3072.

## Nominations open for outstanding service awards

Whether you are a member of an outside organisation, a member of staff at the University or an individual in the community, if you become aware of a General Staff member of the University who provides outstanding service consider nominating them for the special Vice Chancellor's Award.

This award has been established to encourage and reward outstanding or exceptional work performance.

A nomination may be made by any three people.

Only one of the nominators may be from the nominees own Department/Branch/School/Division/Centre. No more than one nominator may be an external client (with a demonstrated affiliation with the University).

Individuals and groups are eligible to receive the award.

The nomination will meet one or more of the following criteria:

- An outstanding and exceptional achievement or success, with a demonstrated value,
- Outstanding service to clients of the Branch/Department/University, with a definable benefit to the clients,
- An outstanding or novel initiative which has been implemented, and has a demonstrated value,
- Changes or improvements to work practices of a definable benefit to the Branch/Department/University.

Enquiries to Ann Kiceluk, ext. 4284.

## Intelligent materials workshop

The second Asia Pacific Workshop on Intelligent Materials will be held at the University of Wollongong from 6-8 December.

Attendance at this important event is by invitation only and leading researchers in intelligent materials from around the globe will be present.

To enable those interested in viewing and hearing about the latest developments in intelligent materials research, a special open session has been organised.

This will take place in the afternoon on Tuesday 7 December in Union Function Room 4.

The timetable for this open session is:

1.30-2.30pm: Short presentations on practical devices and applications.

2.30-4.30pm: Poster displays on intelligent materials research.

To obtain your invitation pass to this event, contact Vicky on (042) 26 1736.

This will be an opportunity to discuss with world experts the state of the art in intelligent materials research.

## INTERACTIVE MULTIMEDIA WORKSHOP

JANUARY 31 - FEBRUARY 11 1994, MONDAY TO FRIDAY 9AM - 6PM

**COST:** \$2,500

**WHERE:** UNIVERSITY OF WOLLONGONG,  
FACULTY OF EDUCATION,  
MULTI MEDIA LABORATORY, FLOOR 1

**ENQUIRES:** MARGARET CAMERON  
FACULTY OF EDUCATION  
UNIVERSITY OF WOLLONGONG  
NORTHFIELDS AVENUE  
WOLLONGONG NSW 2522  
FAX 042 213 892 OR PHONE 042 213 971

The workshop is intended for Macintosh literate communicators who want to learn to design and create interactive multimedia projects for education and training. Participants will build on interactive design examples using a variety of media. Drawing on the individual skills of the participants, they will storyboard, script, shoot, video edit and program the project using Hypercard, MacroMind Director and other interactive software. Working under the guidance of experienced interactive multimedia producers, a hands-on team approach will be used to experience a project from concept to completed CD-ROM.

## General

- 2 December: 6.30pm **Department of Management dinner** for graduating students and staff. Fraternity Club, Fairy Meadow \$18. Enquiries 21 3707 or 21 3749
- 3 December: **Applications for General Staff Development Leave** close. Enquiries Ann Kiceluk, Personnel Office, ext 4284
- 3 December: Department of Accountancy presents the **Annual Valledictory Dinner** to be held at Portofino International, 26 Atchison Street Wollongong from 7.30pm. Cost: \$35 includes 3 course meal, beer, wine and soft drink. Dress formal. Limited tickets available from Anne Mitchell, Room 40. 333, phone 213609. Enquiries: Mary A Kaidonis, phone: 213681.
- 4 December: **Illawarra Committee for Overseas Students** final event for year, Australia's Wonderland. Tickets and details are available from ICOS office, 3rd Floor, Union Retail Centre on Tuesday, Wednesday and Friday from 9.30am to 2pm or phone 21 3158.
- 4 December: **The Illawarra Choral Society**, under the direction of Robert Smith of the Faculty of Education, presents Handel's 'Messiah'

## What's On

accompanied by a Sinfonia lead by Lorraine Moxey and with the magnificent Town Hall organ played by Mark Quarumby. Soloists are Patricia Worley-Smith, soprano and Angela Quinn, alto, both of whom are Wollongong BCA graduates in music, David Haydon, tenor and Bill Moxey, bass. 8pm in the Wollongong Town Hall. Tickets \$15 and \$10 concession from Jurjens in Crown Street, Society members and at the door.

6 December: Are you interested in the contrast between the requirements of **Occupational Health and Safety Law** and the views of those who must comply with it? Hear the reaction of a large cross-section of Maintenance Engineers and Supervisors to what the law says they should be doing. Join the discussion and BBQ after. This Forum on Maintenance, Management and Safety Law will be held from 4-7pm in Pentagon, Room 5. The forum will include talks by Andrew Frazer (Law Faculty), a WorkCover representative and a panel discussion. Cost is \$15 for non-members of the Maintenance Engineering Society. Inquiries: Richard Dwight, ext. 3183.

**Human Experimentation Ethics Committee** meeting dates with agenda deadlines in brackets are: 21 December (7 December).

## Conferences

### HADAMARD CENTENARY CONFERENCE

Research papers in areas related to the work of Jacques Hadarmard  
6-9 December 1993

Pentagon, University of Wollongong

Organisation involved: Institute for Combinatorics and Its Applications

Contact: Professor Jennifer Seberry, phone (042) 21 4327, fax: (042) 21 4329.

### ASIACRYPT'94

All aspects of the theory and applications of cryptography including symmetric and asymmetric ciphers, authentication, cyrptanalysis, protocols, secure transactions, sequences and linear complexity, signatures, hardware and software topics, security of telecommunication systems and computer networks.

28 November-1 December 1994

Date for papers: 18 July 1994

Date for registration: 1 October 1994

Venue: University of Wollongong

Organisation involved: International Association for Cryptologic Research

Contact: Professor Jennifer Seberry, phone (042) 21 4327, fax: (042) 21 4329.

### THREE SEMINARS ON C.A.L. AND OTHER TECHNOLOGIES IN HIGHER EDUCATION IN THE UK AND THEIR RELEVANCE TO AUSTRALIA

**PRESENTER:** Mr Philip Hobbs, Director, Centre for Computing in Economics, University of Bristol, UK. Mr Hobbs is responsible for the overall management of three CAL (Computer Assisted Learning) projects with a combined annual turnover of £500,000 per annum.

One of these projects is the nine-University Economics Consortium, for which Bristol is the lead site, and which is one of the 76 TLTP (Teaching and Learning Technology Projects) being funded by the UK Higher Education Funding Councils to the tune of £34m over a five-year period.

Each seminar will be informal and the opportunity provided to discuss the key issues raised and their relevance to Australian higher education.

#### SEMINAR 1

Developments in Higher Education in the UK

2.30-4pm Wednesday December 1, Club Lounge, University Union

#### SEMINAR 2

CAL (Computer Assisted Learning) for Undergraduate Economics

11am-12.30pm Thursday, December 2, Function Room 2, University Union

#### SEMINAR 3

Project Managing CAL Software

2-3.30pm, Thursday, December 2, Function Room 2, University Union

For further information, contact Ed Wilson (Department of Economics) ext. 3663, or Geoff Hamer (Information Technology Services) ext. 3113.

Please advise Geoff Hamer if you are able to attend.

## Stop Press

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