

UNIVERSITY OF WOLLONGONG CAMPUS NEWS



Number 35

November 27, 1991

Sponsorship for Girls in Engineering Summer School

THE Water Board has presented a sponsorship cheque of \$5000 to the University to support and sponsor the Girls in Engineering Summer School 1992 organised by the Faculty of Engineering.

The Regional Manager of the Water Board, Greg Klamus, and Community Relations and Media Manager, Karon Potter, made the presentation to the Dean of the Faculty of Engineering, Professor Rozgonyi, and the President of the Women in Engineering Network, Trish Shanahan.

The Water Board and other industrial sponsors welcomed the opportunity to support and sponsor the Girls in Engineering Summer School 1992 organised by the Faculty of Engineering.

Acting on the advice and enthusiastic support of female students, academics and general staff of the Faculty of Engineering, Professor Rozgonyi believes that the Summer School will be instrumental in increasing the number of female engineering students at the university.

He also hopes that the opportunities provided by the summer school will contribute to an increased awareness of career options available to young women.

"It is refreshing to see that leading



Professor Tibor Rozgonyi (left) and Trish Shanahan accept the cheque from Greg Klamus from the Water Board.

companies and state agencies have recognised that one of the best investments that an intelligent nation can make is to invest in youth who are the future custodians of our country," Professor Rozgonyi said.

"With limited resources, the Engineering Faculty hopes to continue to change perceptions in the community that engineering is a profession of interest to men only.

"The purpose of the summer school is twofold. On the one hand we would like, in a relaxed atmosphere, to provide information to the young women to enable them to consider as their career choice one of the most fulfilling and rewarding professions; engineering."

"On the other hand, we hope that the feedback from the summer school will help us to incorporate changes to engineering education and make it more relevant to our rapidly changing society."

Sponsorship by government, business and industry has made it possible for the summer school to run free of cost to the students.

Many high schools in the state have been canvassed and expressions of interest by girls in years 10, 11, and 12 to attend the school are well in excess of the 70 places available.

The Engineering Summer School will run for four and a half days from Sunday January 19 to Thursday January 23.

Faculty staff, engineering students, careers advisers from various high schools and some parents will be on hand to supervise activities throughout the Summer School.

Our graduates are doing well

DATA collected from the survey of pass and honours graduates and undergraduate diplomates of the University of Wollongong who completed their studies in 1990 shows that the proportion of first degree graduates employed full-time (56.8 per cent) compares favourably with other universities in the Sydney Region.

It is slightly higher than the state figure of 55.7 per cent. The University of Sydney, for example, had 34.6 per cent of their graduates working full-time, the University of NSW 50.8 per cent and the University of Technology, Sydney has 77.6 per cent.

All Wollongong graduates, including postgraduates, entering full-time employment peaked in 1990 at 69 per cent and has since fallen over the past year to 64.9 per cent.

Over this period there has been a corresponding increase in the proportion of graduates working part-time (from 15.4 per cent in 1990 to 18.6 per cent in 1991).

The predominating contributing factor to this trend is most likely to be linked to the current recession and the consequent downturn in the economy.

The percentage of graduates continuing with full-time study has continued to rise from 12.7 per cent to 16.1 per cent in 1991.

THERE are several members of staff at the University of Wollongong who have skills and expertise that extend beyond their academic discipline.

The latest to come to light is Professor of Manufacturing Engineering in the Department of Mechanical Engineering, Gunter Arndt.

Professor Arndt was the conductor of a mass choir of 180 voices at the 25th anniversary concert of the Germania Choir on November 2 in the Wollongong Town Hall.

The program notes told us that "if he were not an engineer he would be a musician".

Professor Arndt has had an interest in music, particularly singing, for 40 years.

He started with the Stuttgart Boys' Scouts Choir in Germany in 1951 and trained in Australia, Germany and New Zealand, performing in various operettas, lieder and oratorio.

He conducts the Wollongong Germania Ladies Choir and aspires to form another German mixed choir in Wollongong.

THE Academic Conditions of Appointment Documents state, in relation to Recreation Leave:

'Recreation leave is available each year and should be taken as far as possible in vacation times. Annual leave loading is payable. 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 complete year of service.

This is in addition to the University's shut down period between Christmas 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.

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

THE Illawarra Choral Society will perform *Messiah* in the Wollongong Town Hall on Saturday night December 14 at

Brief News

8pm.

Four visiting Sydney professionals Jane Edwards (soprano), Anne Fisch (mezzo), Robert Boyd (tenor) and William Moxey (bass) will be the guest soloists.

Conductor and musical director Robert Smith (Lecturer in Music, Faculty of Education, University of Wollongong) says this year's performance will have a larger choir than previous years.

"There were people in Wollongong who, when they find out we were putting on *Messiah* again, just joined the choir because they love to sing in this great work," he said.

"The augmented group, although a little larger than Handel's original sized ensemble, complements the size, space and acoustics of the Wollongong Town Hall."

For this performance Mr Smith will again call together local orchestral players in a special sinfonia, to be led by Lorraine Moxey and will invite Sydney organist Heather Moen-Boyd to play the Town Hall organ.

President of the society, Dr Keith Enever (Honorary Principal Fellow, Mechanical Engineering, University of Wollongong) says that tickets are now on sale at Jurjens (042) 29 2379 and from Society members or at the door. Contact him on (042) 84.5529 for more details.

THE University's Computer Literacy Policy requires all students who began an undergraduate course from 1989 onwards to have basic computer skills prior to graduating.

To assist those students whose course of study does not grant them exemption or who have not satisfactorily completed a computing subject at an approved institution or have verified work experience, ITS offers Beginners' Courses at the following times:

Macintosh: December 3 and 5, 9:30am-12:30pm. Building 22, Eastern Laboratory.

IBM-compatible: December 3 and 5, 9:30am-12:30pm. Building 43 (demountable) Lab A.

The course covers basic computer skills and elementary word processing, using Microsoft Word. Each course comprises six hours tuition (two three-hour sessions over two days) and includes a test. Cost is \$25 for University students.

For course reservations contact ITS Building 15, tel. (042) 213 816 or 213 850.

If you require clarification of the Computer Literacy Policy see Helen Carter, Building 15, Room G25, tel. (042) 213 849.

UNIVERSITY personnel are advised that the cashier's office will be open from 9.30 am to 4.30 pm on all normal working days with the exception of Tuesday December 24.

The office will close at noon on December 24.

All creditors' cheques must be collected before noon.

Uncollected casual salary cheques for the period ending December 20 will be posted on Monday December 23.

THE Children's Christmas Party will be held on Saturday November 30 from 11am on the field west of the Recreation and Sports Centre.

There will be plenty of entertainment, rides and surprises. The cost per child is \$8. The usual Christmas Hamper Raffle will be drawn on the day, but the organising committee needs donations to fill the hamper.

Campus News is published weekly on Tuesday during Autumn and Spring sessions

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Material for *Campus News* should be sent by Microsoft Mail to Gillian Curtis, or left, preferably, on a Macintosh-formatted floppy disk, or on hard copy in the *Campus News* tray in Planning and Marketing Branch, Administration Building.

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ITC News

The Illawarra Technology Corporation Limited

November 1991

Telecommunications Network Management Training Programme



❖Pictured from right to left Dr Reinecke, Mr Alain Coullon, International Director of SITA Training and Documentation, Ms Sandra Humphrey of the NSW Education and Training Foundation and Mr Jean-Paul Schittenhelm, SITA's regional vice-president.

Wollongong is set to become a key service region for the world's airline telecommunications and information services industry through a project to develop computer-based training for SITA (the Societe Internationale de Telecommunications Aeronautiques - a world-wide airlines cooperative). With the involvement of the Centre for Information Technology Research (CITR), the project will train network managers for the world's largest private telecommunications network, which runs 24 hours a day servicing world aviation. Funded jointly by SITA, CITR and the NSW Education Training Foundation

(ETF), the \$725,000 project will develop specialised distance education, pioneering use of the SITA's international telecommunications network and personal computers. The training program is being designed with users other than SITA and its membership in mind - Australia's involvement in the development of the program will ensure that it better meets the anticipated training needs of this region, and SITA's involvement will provide access to an international market for the product of its collaboration with CITR.

Further information:
Dr Ian Reinecke (042) 272644

INTERNATIONAL FOCUS

An International Projects and Consulting Services activity, reporting directly to the Managing Director, Jim Langridge, has been set up within the International Division of ITC. As part of this new activity, Mr Langridge has made recent visits to the World Bank in

Washington, the United Nations Development Program (UNDP) in New York, and the Asian Development Bank in Manila. Subsequent to these visits, expressions of interest on selected projects have been forwarded to the Asian Development Bank, and to the World Bank, and Mr Langridge is to visit both the World Bank and UNDP again in November.

In order to integrate the international activities within ITC, the Wollongong English Lan-

NEW NIES KICK-START PROGRAMME

A two-year study focussing on the knowledge and use of technology in industry, has just been completed by ITC for the National Industry Extension Service (NIES). The study investigated 2,000 companies, and identified two key problems - a misunderstanding of what is meant by technology, and internal communications. While manufacturers are aware of technology, they are not well versed in communications, implementation or management of technology to gain maximum benefits. The result is that small to medium manufacturers are often missing key opportunities. The report stressed that while technology is often misinterpreted to mean machines, automation and production tools, it also involves systems and organisations, change, people programs, training and how manufacturers manage and promote their business.

NIES have now asked ITC to develop and present a network/workshop program to address these issues. Labelled the Kick-Start Program, ITC will work with the University of Technology Sydney, the Australian Chamber of Manufactures and Mitsubishi Electric Australia to work company representatives through a structured learning and workshop program over six months. The program will involve development of a detailed feasibility study, and subsequent preparation of a submission to the company's board of directors, for the implementation of some aspect of advanced manufacturing technology which is relevant to the individual company. This worked example will be fully cost justified, and provide the basis for workshop focus. NIES will sponsor each company on a dollar for dollar basis, and it is planned that the program will be ongoing through 1992.

Further information:
Paul Howlett (042) 268999

guage Centre (WELC) and the Wollongong Foundation Studies Program (WFSP) have been repositioned within the International Division. WFSP has had an academic Director, Associate Professor Noel Kennon, for some time and Bill McGaw, from the Department of English, has been appointed recently to provide academic liaison with WELC.

Further information:
Ann Webb (042) 268800

International Business Development

Emeritus Professor Peter Rousch, formerly Director of the Wollongong English Language Centre, has been appointed Director of International Business Development within the International Division of ITC.

Major Telecom R&D Initiative

Telecom opened its third telecommunications research facility as the University Wollongong's Centre for Information Technology Research (CITR).

The \$1 million Telecommunications Software Research Centre (TSRC), opened recently by the Minister for Science and Technology, Mr Free, will complement the work of the CITR's Switched Network's Research Centre and the Telecom Customised Software Solutions Centre.

The centre, headed by Professor Fergus O'Brien, also Head of the Computer Science Department at the University of Wollongong, will have important implications in the fields of telecommunication information networking architecture and universal personal telecommunications.

The projects undertaken by TSRC will capitalise on the best design concepts of telecommunications and computing, examining all aspects of network development and management from the customer's point of view.

These and other initiatives being undertaken at the University of Wollongong's CITR continue to signify the emergence of Wollongong as a leading telecommunications research and development node in the Asia Pacific Region.

Further information:

Dr Ian Reinecke (042) 272644

Pre-University English Language Courses

Although WELC has expanded its activities, it has maintained its commitment to the preparation of students for entry to the Foundation Studies Program and degree courses at the University of Wollongong, and is currently offering fulltime courses in English for Academic Purposes (EAP) at four levels.

Additionally, a new Precourse B has been introduced for those preparing to be examined under the International English Language Testing System (IELTS). WELC is one of only two accredited IELTS centres in NSW, and tests are offered every four weeks.

Further information:

Peter Day (042) 26 8905

PORTINFO - A Management and Planning Tool for Ports



The last six months have seen some considerable achievements for the Centre for Transport Policy Analysis, with major new programs being developed and implemented. Included among these is PORTINFO, an effective management and planning tool for ports, which comprises powerful graphics, statistical and modelling components. The development of PORTINFO, in conjunction with the Illawarra Ports Authority, has been made possible by the award of National Teaching Company Scheme funding from the Federal Department of Industry Technology and Commerce (DITAC). The ben-

efits of this development will not be restricted to the Illawarra, as PORTINFO will be applicable to other Australian and overseas ports.

Further information:

Dr Ross Robinson (042) 268915

❖ *Pictured from left to right Dr. Ross Robinson, Director, CTPA with Mr Kevin Chinnery, Editor, Lloyd's Maritime Asia and Ms Chong, Commercial Manager, Kiang Port Authority at a reception held for delegates attending the Asian Port Management Conference held in Kuala Lumpur in September.*

New Ventures for Language Centre

The Wollongong English Language Centre (WELC) is completing its third year of operation in providing English language tuition in an ever-increasing number of distinct courses.

The level of student enrolments, currently averaging between 180 and 200, compares favourably with other university-affiliated language centres. However, the decline in the number of students entering Australia for ELICOS (English Language Intensive Courses for Overseas Students), due to complications in revised visa regulations and adverse publicity following the collapse of several private colleges, has encouraged WELC to diversify into new areas.

Marketing has resulted in a strong flow into the general English program of Swiss and Japanese students, many of whom are preparing for the University of Cambridge English language examinations. Next year the Cambridge Certificate in English for International Business and Trade will be added to the range of examinations for which preparation courses are offered. Additionally, contacts with key Japanese agencies have resulted in group bookings from a number of colleges and high schools for recreational and educational packages. In July/August of this year (the northern summer) 180 students were enrolled in such programs.

Further information:

Peter Day (042) 268905

Recognising 'CAN DO' Skills

Workers who have taught themselves on the job, and who have become skilled at complex technical machine operations, can often be ignored in the formal education and training process. The Australian Training School for Advanced Manufacturing (ATSAM) is now ensuring that many workers will receive formal recognition for their 'can do' skills.

Supported by the NSW Education and Training Foundation, the project is managed by Ian McMaugh, and the on-site training and skills assessment program has been undertaken in many Sydney factories, with results showing marked improvement in productivity and morale. Training courses have been completed for Qantas, Allowrie, Champion spark plugs, Southern Copper, and a collection of small industries in and around the industrial belt of south-west Sydney.

Further information:

Ian McMaugh (042) 268810

CTPA Transport Policy

CTPA has been closely involved in high-level research and commentary on transport reform in Australia. Major studies on the impact of the Inter-State Commission road pricing reports on the NSW coal industry have resulted in contributions to the policy debate in this area.

Further information:

Dr Ross Robinson (042) 268915

Successful Licencing of Technology

The meal tray presetting system developed by AEAC for Qantas Flight Catering Limited has now been in continuous operation for 18 months. During this period the machine has attracted considerable interest in the international flight catering industry, and a number of tender enquiries have been received.

Commercialisation of the technology through wide scale manufacture and distribution is not part of the role for ITC so, in collaboration with Qantas Flight Catering, ITC have successfully negotiated a licence agreement with Heat & Control Pty Ltd of Brisbane to undertake manufacture. ITC will play an ongoing role in project management, and some design, but it is now over to Heat & Control to run with the technology.

This method of technology exploitation will become more common with ITC through AEAC and MARC. These groups will work closely with end user clients to develop



prototype equipment for their use, and then seek to commercialise the technology through licence agreements with manufacturers.

Further information:

Paul Howlett (042) 268999

✦ **Photo showing Presetting System developed by AEAC for Qantas Flight Catering**

CTPA Executive Development Programme

This Program is a major new initiative for CTPA, and comprises a seminar series as well as short term training courses at senior and middle management levels.

Three major seminars have been held to date, two of which, held in Sydney and Melbourne, discussed port pricing, and were attended by Australian and New Zealand port managers. The third seminar, held in Sydney, focussed on the changes occurring within global liner shipping, and the impacts these were likely to have on Australian ports and shipping. Two guest speakers were Hans Peters, World Bank Principal, Trade and Maritime Industries, and John Bicknell, Managing Director of the Australian National Line. This seminar attracted widespread interest from Australia's most senior shipping and port managers.

Further information:

Dr Ross Robinson (042) 268915

English On-Site

In conjunction with the Australian Training School for Advanced Manufacturing (ATSAM), the Wollongong English Language Centre (WELC) is providing courses in English in the Workplace for shopfloor employees of two Sydney-based manufacturing companies.

The student population at Mt Gilead Christian School in Campbelltown includes a considerable number of overseas students whose first language is not English.

WELC has entered into a joint venture with Mt Gilead, to provide an on-site course, English for Secondary School Studies. Next year these courses will be presented in-house, and will prepare students for entry to a number of private secondary schools in the Illawarra.

Further information:

Peter Day (042) 268905

Night Computer Courses Prove Popular

In August 1991 a subsidy provided by the NSW Education and Training Foundation (ETF) enabled the Informatics Institute to offer a low-cost IBM IT Course for Office Workers. The response to the course, which provides office workers with the opportunity to learn four different computer programs from both individuals and organisations, has been outstanding. Additionally, the course is presented at night, thus allowing the acquisition of computer skills without loss of productivity in the workplace. The format of presentation, three hours per night over eighteen nights, provides an appropriate pace for students to absorb the computer concepts, and to immediately put their skills into practice in the workplace.

Further information:

Gavin Sechi (042) 268884

Variety in Computer Training

It is apparent that individuals and companies want more training for each dollar they spend, and that they want this training with as little disruption to the work environment as possible. With this in mind the Informatics Institute, commencing in November, will offer courses in Unix and C which will be presented at night over periods ranging from five to fifteen weeks. In 1992, it is planned to expand the number and variety of courses on offer and, additionally, to present a variety of night and day courses which offer a package of computer training similar to the IBM IT course. It is anticipated that these offerings, together with the normal day short courses, will enable the Institute to cater for the needs of most individuals and organisations.

Further information:

Gavin Sechi (042) 268884

MOBILE SHOWROOM

The Department of Employment Education and Training (DEET) recently presented ATSAM with equipment worth \$120,000 to be used in on-site training for manufacturers. This equipment comprises a van, used as a mobile demonstration showroom (see photograph), electro-pneumatic gear, barcoding and vision inspection equipment, and is invaluable in providing "hands-on" experience.

Further information:

Ian McMaugh (042) 268810

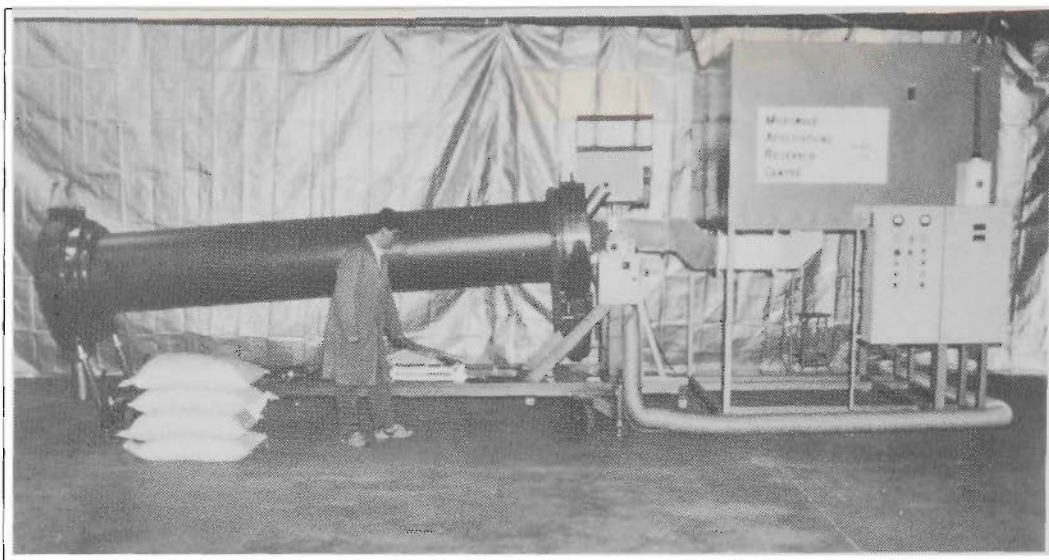
✦ **ATSAM Mobile Demonstration Showroom**



POWERFUL ALLIANCES

Elcom NSW is moving into a new era of development, soon to be publicly celebrated with a complete new name and profile. ITC is closely associated with the University in assisting Elcom to progress a number of projects applying the smarter use of electricity, for economic growth and new industry development.

While the Energy Efficient Research Centre, based in the Illawarra Technology Centre, advances its work on the Test Bed Facility for electric motors, ITC staff have been working closely on a number of exciting projects. These include the work on coal nozzle performance and coal flow properties by ITC Bulk Materials Handling, the development of a process to



manufacture 'biofly' bricks from power station waste, electric heating of sewage sludge, and development of the microwave rotary kiln for many heating applications in indus-

try.

Further information:

Paul Howlett (042) 268999

❖ **Photo: Microwave Rotary Kiln**

Food for Thought

Australian food processors are not gaining enough of the lucrative 'value added' international market in processed food. One solution lies in smarter processes, such as the applications of microwaves for drying foods, using vision inspection to guarantee better quality control, and applying smarter

robotics to achieve automated handling of soft foodstuffs.

Both the Microwave Applications Research Centre and the Automated Engineering Applications Centre are advancing with negotiations to apply their expertise in Australian firms wishing to increase their competitiveness in this vital industry sector.

Further information:

Paul Howlett (042) 268999

Fixing Coal Transport

Coal is Australia's largest export industry, but the issue of coal transport infrastructure is a problem which, to date, has not been properly addressed. Next year the Centre for Transport Policy Analysis (CTPA), on the basis of considerable research, expects to host a seminar with a view to advancing discussion of how to improve the inadequate coal transport infrastructure.

Further information:

Dr Ross Robinson (042) 268915

No Wasted Effort

The disposal of intractable waste is widely acknowledged to be a major problem, and ITC's unique iron bath recycling process for hazardous wastes has been suggested as a workable solution. ITC Resources Division head Paul Howlett, and Professor Howard Worner, who has pioneered the inno-

vative metal smelting conversion process, have made a submission to the Independent Panel on Intractable Waste.

They are also actively pursuing commercialisation of the technology through the Water Board and the Electricity Commission of NSW, who are the major supporters of the project.

Further information:

Paul Howlett (042) 26 8999

Computer Assisted Language Learning

This year the Wollongong English Language Centre (WELC) has introduced Computer Assisted Language Learning (CALL) to its curriculum for all classes, and has adopted a library orientation program run by staff of the University of Wollongong Library for all precourse students. WELC is unique among ELICOS providers in providing regular inservice sessions for its staff in order to maintain its position at the forefront of course design and development.



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Department of Health, Housing and Community Services
National Training Strategy for Staff in Aged Persons Hostels Applications are invited or-
 ganisations to develop and implement the
 National Hostels Staff Training Strategy.
 This is an expected 3 year program com-
 mencing March next year. The External
 closing date is 18 December.

**Wet Tropics of Queensland World Herit-
 age Area**
Register of Research Interest Institutions and
 Individuals are asked to register their in-
 terest in conducting research in or related
 to the Wet Tropic Heritage Area. Those
 registering will be able to apply for re-
 search grants. No closing date.

NSW Ministry for the Arts
**1992 Apple Computer Assistance Program for
 Arts Organisations** Applications are called
 for a limited number of grants for Arts
 organisations to develop or improve their
 computerisation systems. Applicants will
 be asked to contribute towards the cost of
 the package sought. External closing date
 is 17 January, 1992.

**Department of Primary Industries and
 Energy**
Forestry Postgraduate Research Award Ap-
 plications are called from students enter-
 ing a Master of Science (Honours) or Doctor
 of Philosophy degree in any area relevant
 to forestry research. External closing date
 is 9 December.

Academy of Social Sciences
Australia-Japan Program Applications are
 called for grants to enable young scholars

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 Lyndal Manton (ext.
 3201). Intending applicants are
 reminded that all research applications
 must be forwarded through the
 Graduate Office.*

to undertake research in Japan (emphasis is
 placed on young post-doctoral scholars).
 For 1991/92 the disciplines to be supported
 must be in the fields of Sociology, Geogra-
 phy, Anthropology, Demography and
 Linguistics. External closing date is 16 De-
 cember.

Cambridge Commonwealth Trust
Cambridge Australia Scholarships October 1992
 Applications are called for students wish-
 ing to undertake postgraduate study at
 Cambridge University who have or expect
 to obtain a first class honours degree, have
 gained admission to Cambridge and have
 been nominated for an ORS award. The
 scholarship is for 3 yrs and includes airfares.
 External closing date is 31 December.

**Australian National Parks and Wildlife
 Service**
Save the Bush Program Research Projects 1992
 Applications are called for limited funds
 for research on ecological processes and
 the maintenance and management of
 biodiversity in vegetation remnants. Ex-
 ternal closing date is 6 December.

**Natural Resources Managment Strategy -
 Murray-Darling Basin**
New Projects 1992-93 Applications are called
 for new projects which will lead to the

improved management of the natural re-
 sources within the Murray-Darling Basin.
 External closing date is 6 December.

**Tobacco Research and Development
 Council**
Research and Development Grants
 Applications are called for research project
 funding in any area of interest or relevance
 to the tobacco industry in 1992-93. External
 closing date is 31 January 1992.

**Publications Received at the Graduate
 Office**
 1991 Australian Research Council Grants
 and Fellowships Listing
 1990/91 Annual Report - Meat Research
 Corporation
 1990/91 Annual Report - Industry Research
 and Development Board

Previously Advertised	Closing Date
The British Council Travel Grants	Any Time
Australian Academy of Humanities (Publication Subsidies)	Any Time
Clive and Vera Ramaciotti Travel Grants	Any Time
Criminology Research Grants	Any Time
Japanese Science and Technology Awards	Any Time
National Teaching Company Scheme	Any Time
Associate of Rhodes Scholars Postgraduate Schol	December 15
Coopers and Lybrand Accounting Grants	December 20
AINSE Postgraduate Research Awards 1992	December 20
BTR/FCO Oxford/Cambridge Scholarships	December 31
CBI Scholarship (Aust. Britain Society)	December 31
Aust/Greek Travel Awards '92	January 31
Cotton R and D Project Awards 1992	January 31
SA Aust. Fed of Uni Women Bursaries 1992	February 29

Seminars

Centre for Advanced Manufacturing and Industrial Automation

November 27 and 28: Professor G. Arndt,
 Ross Kennedy, Rex Honey, *Total Productive
 Maintenance*.

December 2: Dr Des Tedford, *Industrial Er-
 gonomics Today*.

December 3: Dr J.D. Tedford, *Project Plan-
 ning and Control*.

December 4, 5 and 6: Professor G. Arndt, Dr
 P. Gibson, *Advanced Quality Techniques*.

December 10: Dr S. Ghahreman, Dr C. Gulati,
Introduction to Statistical Process Control.

All of the seminars will take place at the
 Wollongong Surf Leisure Resort Confer-
 ence Centre, Pioneer Road, Fairy Meadow
 starting at 9am.

Department of Biology

December 3: Associate Professor Rob
 Whelan - to be announced

Location: Lecture Theatre 35.G19 at 12.30pm
 - 1.30pm.

Due to the increased demand for this
 section, in future it will be available
 only to staff and present students. Any-
 one wishing to advertise must complete
 a form in Planning and Marketing, Ad-
 ministration Building. This advertise-
 ment will be run once. For a repeat it
 will be necessary to complete another
 form.

HOUSE TO LET

2br house in Thirroul with study, leafy
 backyard with vegie garden. Quiet off-
 street, close to transport and beach.
 Available early December-January 1993.
 \$180 pw. Tel. Sally or Neil 67 2659 (ah).

FOR SALE

Kneeling computer chair, \$45. Pentax ME
 Super fully automatic compact SLR with
 Tamron 35-80 zoom lens and automatic
 flash, \$280. Carrying case (camera and
 accessories), \$40. Professional tripod, \$70.
 Tel. 28 6691.

Advertisements

FOR SALE

Toshiba 1200XE Notebook, 286 Proces-
 sor, 1 parallel and RGB ports, two batter-
 ies with carry case. As New Condition.
 Software: Word 5 and Laplink Plus with
 cables. DOS 4.01 and Toshiba utility for
 using extended and expanded memory,
 ram cache etc. \$2750. Tel. Brian
 Cambourne ext. 3973.

FOR SALE

Townhouse at Kiama Downs. 2br (one
 with built-ins), separate toilet and shower,
 large, N-E facing backyard. Recently
 recarpeted and painted. \$115,000. Tel.
 (042) 32 2602 or ext. 3739.

FOR SALE

Baby capsule, good condition, \$50. Tel.
 84-8363.

■ The School of Creative Arts' third Year graduating exhibition is being held in the Long Gallery until December 1. The exhibition features drawings, fibre arts, paintings and printmaking. MCA submissions by Christine Kirkegard and Siobhan O'Gorman are also on show. The exhibition is open Monday to Friday from 9am-5pm and Sundays from 1.30-4pm.

■ Upcoming events for the Illawarra Committee for Overseas Students are: November 30: Australia Wonderland \$15 and \$10. Tickets and details are available from the ICOS office in the Union Building next to the Careers and Appointments Service, Tuesday, Wednesday and Friday 9.30am-2pm. Tel. 21 3158 or ext. 3158.

■ Agenda deadlines for meetings of the University's ethics committees are:

What's On

Human Experimentation Ethics Committee: December 7.

■ The Staff Fitness Program until Friday December 13 is: Mondays: 12pm Circuit, 12.30 pm Powerwalk. Tuesdays: 12pm Aerobics, 12.30 pm Powerwalk. Wednesdays: 12pm Aerobics, 12.30 pm Circuit. Thursdays: 12pm Aerobics, 12.30 pm Powerwalk. Fridays: 12pm Circuit, 12.30 pm Powerwalk. On Monday December 16 at 12.30 pm, the Sports Lounge has been booked for a small gathering and some Christmas drinks.

■ After six years at the University of Wollongong where she has been head of the Gender and Education Unit since 1988, Dr Noeline Kyle is leaving to take up the position of Head of School and

Foundation Professor, School of Cultural and Policy Studies at Queensland University. Farewell drinks will be held in the Bistro on Monday December 2 at 5-7pm. All welcome. Inquiries Jan Wright ext. 3664.

■ Staff who use the PC network in Building 43 are being asked to attend a meeting on December 2 in Building 15, ITS, to discuss the use of labs. Agenda for the meeting is: Facilities in the labs, lab bookings and lab usage. Network Support's Aaron Irwin said another purpose to this meeting is to hear the views, complaints, opinions, etc of the staff who use the Building 43 PC network. "It is important that you attend, so we ourselves at IT can gain a better perspective on what services we should or should not be providing," he said. He asked that those who will attend to contact him on ext. 3858.

Human Movement Science hosts sports medicine expert

INTERNATIONALLY-acclaimed Sports Medicine expert, Professor David Reid from the University of Alberta, Canada, is visiting the Human Movement Science Department this week.

His visit has been arranged by the Department and the Illawarra branch of the Australian Sports Medicine Federation (ASMF).

A distinguished academic, Professor Reid is a Lord Nuffield Scholar to Oxford University, a Travelling Fellow of the North American Orthopaedic Society, a consultant orthopaedic surgeon, and manages a large Multidisciplinary Sports Medicine Clinic at the University of Alberta.

While in Wollongong, Professor Reid will assist the Department's developing linkage with the Illawarra Area Health Service through close liaison with the regional coordinator of Rehabilitation and Geriatric Medicine at Port Kembla Hospital, Dr Lyn Lee.

Professor Reid will assist the Department of Human Movement Science in developing its role in the Centre of Excellence for Sport Health in conjunction with the sub-branch of the ASMF and Illawarra Sports Medicine Clinic.

Further information about the educational program can be obtained from the Human Movement Science Department, contact Owen Curtis on 21-3881 (business hours) or 29-1782 (after hours).

International House reunion

INTERNATIONAL House is organising the first reunion of former residents of the house on the weekend of January 17-19.

After 25 years of operation, first as a YMCA, then after the College of the University of NSW became the University of Wollongong, as the first residence hall of the University, the time seems ripe for such a reunion.

An invitation extended to former residents invites them to return to I-House (with or without partners and children) so that they, and we, can "rediscover old friends".

No such gathering would be complete without the participation of the staff members (and former staff members) who, over the years, have cleaned and comforted and catered for the needs of hundreds of young people.

Many staff members have fond memories of favourite residents whom they are looking forward to seeing grown up (and cleaning, comforting and catering for a spouse and children!)

Activities for the weekend have been kept to a minimum so that old friends will have plenty of time for catching up. It is expected that an International House Alumni Association will be formed during the weekend which, among other responsibilities, will help plan future reunions.

A group photo - a long standing tradition at the House - will also be taken. There will be a formal dinner and jazz band. Coordinator for the event has been alumna Pauline Moorhouse (1987-91) and a group of 15 alumni who will be actively hosting the weekend.

The response from former residents to the invitation has been very encouraging. Acceptances have come from all over NSW and beyond, including one from New Zealand. One former staff member is coming from Queensland.

Liz Hilton, former Manager, has maintained contact with a large group of former residents and has been helpful tracking down of the more elusive alumni.

University staff members who were former residents, or who were actively involved in the House, who would like to be present for all or part of the weekend should direct inquiries to Michael Sawyer at International House, tel. 299711 or ext. 3784 by November 30.

Only one more edition of *Campus News* in 1991. The final *Campus News* for 1991 will be published on December 4. Deadline for the copy is Monday November 25.