Sixth Telecom-funded group

THE Federal Minister for Science and Technology, the Hon. Ross Free, has announced that Telecom Australia will provide $1.01 million to the Centre for Information Technology Research (CITR) to establish a Telecommunications Software Research Centre (TSRC).

This was announced at a function at the Illawarra Technology Centre at the University of Wollongong on July 25.

This centre, headed by Professor Fergus O'Brien, Head of the Department of Computer Science, is the sixth Telecom-funded centre to be established at the University of Wollongong.

It will complement the work of the Switched Networks Research Centre, another Telecom-University centre established last year, and four autonomous Telecom groups also on campus – the Customised Software Solutions Centre, the Suppliers Interface Support Centre, the Trunk Network Engineering Development Group and the National Data Base Administration Group.

This most recent centre will have important implications in the fields of telecommunication information networking architecture which aims to initiate a sound worldwide base for the technological advances needed to bring telecommunications and computing together into

Continued page four
TWO members of staff at the Centre for Multicultural Studies, Professor Stephen Castles and Dr Robyn Iredale, are serving on the National Population Council.

The NPC is an advisory body to the Minister for Immigration, Local Government and Ethnic Affairs, the Hon Gerry Hand. It is reviewing Australia's population, including immigration and the need for a population policy.

A small committee, the Population Issues Committee which includes Professor Castles and Dr Iredale, is collecting submissions and holding workshops.

Dr Iredale assisted with the workshop on Population Issues and Women, held on August 2. Contact the Centre for Multicultural Studies for further information.

THE new Faculty Officer in the Faculty of Informatics is David MacDonald. He replaces Paul McGuire.

SOCIOLOGY lecturer, Dr Mike Donaldson, has released a new book, *Time of our lives*, which looks at the working class. He argues that it is only by examining the whole lives of the working class as they live and love, struggle together and against one another within the capitalist system they reproduce that we can begin to understand the possibilities and constraints of contemporary capitalism. The book is published by Allen and Unwin.

THE Centre for Staff Development is offering an *Office writing for administrative staff* workshop on August 13 from 9.30am-1.30pm.

All administrative and general staff who are involved with writing letters and reports are invited to nominate for this workshop. The presenter will be lecturer from the Learning Assistance Centre, Kim Draisina.

For a complete course outline and a nomination form, contact Jan James, Centre for Staff Development, Bldg 19, Rm G041, ext 3946.

NUMBERS will be restricted, so early nomination is advised.

THE Minister for Arts, Sport, the Environment, Tourism and Territories, Ms Ros Kelly, has announced the appointment of Professor David Green to the position of Chief Science Adviser in the Department.

Mr Green has been professor of Geology at the University of Tasmania since 1977 and is also a Fellow of the Royal Society of London and the Australian Academy of Science. The Chief Science Adviser will provide advice to the Minister on a broad range of policy matters, including developing national strategies to deal with greenhouse gases, biodiversity and endangered species.

Dr Green will also be involved in assessing scientific priorities for the proposed Commonwealth Environment Protection Agency.

PROPOSALS are invited for the second annual Fulbright Symposium to be held in 1992. The board of the Fulbright Foundation wants proposals limited to current priority areas in the Australian /Fulbright Program: international trade, environmental law and/or management and visual and performing arts.

The Foundation offers a $10,000 grant for the approved proposal as a contribution to the cost of organising the Symposium.

Closing date is October 15. Further details and a proforma are available from Planning and Marketing, ext. 3110.

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**Brief News**

**Minister on broad range of policy matters**

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**Academic Senate investigates the need for reform**

AT the meeting on July 24, the Academic Senate voted to establish a sub-committee to examine:

• The role of the Senate;
• The composition of the Senate;
• The relationship between the Academic Senate and the Planning and Development Committee.

**AGENDA deadlines**

AGENDA deadlines for meetings of the University's ethics committees are: Human Experimentation Ethics Committee: September 1, October 27 and December 7. Biosafety Committee: September 1.

**BILLETs are needed**

BILLETs are needed for more than 40 Japanese senior school and college students who are coming to Wollongong in early October as part of an Australian Institute of International Understanding (AIUI) exchange.

"Families are asked to provide a bed, not necessarily a room, three meals a day and to show a new friend our way of life," Mrs Friend said.

For more information on the exchange contact Mrs Friend, tel. 28 1331 after 5pm weekdays.

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**Apple is offering discounts**

Apple is offering discounts on their 2MB/HD40 Macintosh Classic and LC computers. This discount is available until August 16.

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<thead>
<tr>
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<th>Staff/student</th>
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<tr>
<td>Mac Classic 2MB/HD40</td>
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<td>with 12&quot; color monitor</td>
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Prices includes keyboard and mouse

For further information contact Campus Personal Computing, tel. 21 3775.
IN NOVEMBER, 1990 the Illawarra Technology Corporation approved 10 scholarships of $1000 to be awarded to students participating in the Student Exchange Program during 1991. Six of the scholarships were awarded to students who began their exchange in January, 1991 and the remaining four to students who will begin this month. The scholarships are awarded on the basis of academic merit. The following students received the first awards: Andrew Haynes (Bachelor of Commerce - University of North Carolina at Chapel Hill); Kelvin Lupis (Bachelor of Arts - University of North Carolina at Chapel Hill); Paul Smith (Bachelor of Arts - University of North Carolina at Chapel Hill) and Matthew Bradley [Bachelor of Education (Physical and Health) - University of California (Davis)].

OPEN DAY
Sunday
August 25

Science for survival

DISCOVER how Commonwealth Scientific and Industrial Research Organisation (CSIRO) scientists in Australia are working to solve some of today's most pressing environmental problems. An exhibition of their work opened at the University's Science Centre last week.

The exhibition, called Science for Survival, was first displayed last year as part of Environment 90 at Darling Harbour. It was developed by the Powerhouse Museum for CSIRO. It examines the causes of the Greenhouse Effect and how Australian technological know-how is being used to measure and minimise associated climatic changes.

Current research into fire management, water treatment, soil conservation and air pollution is also featured. Science for Survival will be on display until September 8 every Saturday and Sunday from 1-5pm and Thursday evenings 7-9pm.

The Science Centre is at the University's Campus East, Cowper St, Fairy Meadow.

Human Movement strength tests

A POSTGRADUATE study within the Department of Human Movement Science will be investigating the relationship between muscle strength, physical activity and bone density.

Strength measurements will be taken from the muscles of the lower leg.

The department requires 20 sedentary male subjects over the age of 60 years to participate as the control group for this study.

Sedentary is defined as meaning a minimum of 10 years or more without participation in regular physical activity.

Testing procedures will take approximately 20 minutes.

If you are interested in participating in the study or would like more information, leave your name and contact number with the secretary of the Department of Human Movement Science, ext. 3881.
Friends

ALDERMAN Frank Arkell hosted a reception in the city in his capacity as Lord Mayor and Chairman of the Community Involvement Committee for members of the University staff recently.

Both Ald Arkell and Professor Lauchlan Chipman spoke of the interaction between the University and the City of Wollongong and their interrelated roles.

In addition, Vice-Chancellor, Professor Ken McKinnon, spoke of recent discussions on campus and in the media regarding resource allocations and the decision-making processes in tertiary institutions.

The Friends of the University comprises a large group of individuals and organisations in the community who have expressed their commitment to the enhancement and promotion of our University, and as such their goodwill and contribution are valued most highly.

This was evident by the spontaneous presentation of a Certificate of Appreciation from the Italian Social Welfare Wollongong to the Friends for supporting their association.

As part of the Friends' Visiting Religious Scholar program, on Thursday July 25, Dr Ali Amir from India gave a talk on 'Islam has a Universal Appeal'.

The occasion was well attended, in particular by members of the Islamic community.

Dr Amir spoke of the teachings in the Koran of love, brotherhood, tolerance of other religions, and the unacceptable of all forms of discrimination.

We should like to thank Dr Sultan Ali of the Community Involvement Committee for organising this event.

— MICKEY FOULDS

Sixth Telecom-funded group

From page one

an overall information networking architecture which would be applicable to the mid 1990s and beyond. As well TSRC will concentrate on information modelling and service management.

"The University of Wollongong's commitment to research and development in telecommunications research augers well for the future aspirations of the centre to become a recognised telecommunications research and development node in the Asia Pacific Region," Mr Free said.

Mr Free later wished CITR every success in its application for a government-funded co-operative research centre in association with Telecom, OTC, NorTel and the Digital Equipment Corporation.

"CITR should rapidly become one of the most concentrated centres of telecommunications research in Australia," he said.

Telecom special R and D funds

TELECOM provides two sources of funds of interest to the University, namely:

Fund for Social and Policy Research in Telecommunications

This fund is intended to encourage academic and community-based research in telecommunications. It covers both institutional and individual research. Further information may be obtained from the Executive Officer (Evelyn Richardson) of Telecom's Corporate Strategy Directorate, Eighth Floor, 172 William Street, Melbourne 3000, tel. (03) 606 8420 or fax: (03) 600 0023.

Product Development Fund

This fund has been operating for about four years investing near $5 million. Funds in the form of risk capital ranging from tens to hundreds of thousands of dollars per project are available. The grants are intended to fund the development of prototypes to the pre-production phase and may involve software, hardware or process. The end product must have strong links to Telecom's telecommunication interests and have the potential for success in the market place as demonstrated by the applicant.

Telecom seeks return of its investment from the products sales. Enquiries: Robin Court, of Telecom Research Laboratories, tel. (03) 541 6294, fax: (03) 543 4127.

Telecom is the major sponsor of the Technology in Education and Training Event to be held in Melbourne from September 17-19, 1991.

For further information contact Collin Archer, tel. (02) 552 1166, fax: (02) 660 3813.

Accountancy's doctoral consortium

THE Department of Accountancy held its third annual doctoral consortium on August 2.

The proceedings began with the official opening by the Deputy Vice-Chancellor, Professor Sutton.

The morning was devoted to presentations of papers by three international scholars of the methodological issues they faced in undertaking specific research projects.

The approaches adopted included a critical analysis of the development of information systems, the traditional finance oriented empirical based research, and the development of a Habermasian accounting analysis.

In the afternoon the presenter was joined by two other internationally distinguished scholars in an open forum discussion of the research problems faced by those enrolled in doctoral programs in the department as well as potential researchers.

ICOS general meeting

THE annual general meeting of the Illawarra Committee for Overseas Students will be held in the Union Board Room on Tuesday August 20 at 7pm.

Written nominations for executive office are due on or before Monday August 12.

If you would like to attend or nominate an office bearer contact Wendy Jabri at the ICOS office in the Union Building next to the Careers and Appointments Service, on Tuesday, Wednesday or Friday from 9am to 2pm.

Tel. 213158 or ext. 3158.
A UNIQUE feature of the Bachelor of Laws degree at the University of Wollongong is that students are required to complete a work placement program. This is designed to expand students' understanding that the law is a living system, not just a set of rules in books. During their course they are exposed to a minimum of two different and carefully selected work placements.

Much insight can be gained by linking the formal learning at university with participation in the practice and operation of the law.

The Faculty of Law has interviewed possible placement supervisors in various legal firms, organisations and agencies in Wollongong, Sydney, Canberra and Perth and has initiated discussions with organisations in Regional NSW, Adelaide, Queensland, Melbourne, Germany and the UK.

Local Wollongong firms have responded enthusiastically. The practice areas comprise in part Legal Aid, Australian Government Solicitor, Department of Social Security, High Court of Australia, Office of Parliamentary Counsel, Director of Public Prosecutions, Members of the Bar and city and suburban practices.

Considerable time has been taken in liaising with these organisations to ensure that the program does not merely become work experience but is locked in firmly with the framework of the academic subjects with which it is linked.
Anglican discussion sessions

THE Anglican Chaplaincy on campus will hold two discussion sessions in spring semester at 4 Moore Street, Gwynneville at 8pm.

The topic for the first, on August 14, is Sex and Worship or Why there is no marriage in heaven.

On September 11 the topic is: Cananbulistic Religion or Why sacraments are essential to salvation.

Union elections

THE University of Wollongong Union is holding its annual Board of Management elections.

The elections, to fill vacancies for five elected members, will be held on August 14 and 15.

Polling arrangements are: August 14, Union Hall, 11am-6.30pm and August 15, Union Hall, 10am-5pm.

ANZAAS Congress

THE 1991 Australian and New Zealand Association for the Advancement of Science Congress will be held in Adelaide from October 1-3.

The topic is Renewal and Reproduction. Hear:
- What the experts have to say about new developments in science, technology and manufacturing.
- What the future holds in terms of new ideas, new materials, new products and new ways of doing things.
- About new approaches and approaches that work from related scientific disciplines.

Phone, fax or write for a copy of the program.

The Australian and New Zealand Association for the Advancement of Science, GPO Box 498, Adelaide 5001. Tel. (08) 228 4777 Fax (08) 232 4590.

Department of Accountancy

August 16: Michael Metcalfe, University of South Australia, Metaphors and management accounting, Building 40, Room 224, 11am-12.30pm. Inquiries: Associate Professor Hai Yap Teoh, tel. 21 3625.

Department of Biology

August 7: Associate Professor John Campbell (Department of Anatomy and Cell Biology, UCLA), Evolutionary mechanisms.

August 13: Dr David Ayre, Conservation genetics of marine organisms: localised adaption of clonal genotypes.

August 20: Dr Jim Campbell, Hormonal regulation of migration in crickets.

August 27: Dr Roger Coles - to be announced.

September 3: Departmental meeting

September 10: Ma Fiona Mandelic (Graduate School Environment, Macquarie University) The bottle-nose dolphin populations in Jervis Bay.

September 17: Dr M.J. Thompson (Department of Zoology, University of Sydney) Physiological of reptilian eggs: comparison of contemporary and extinct species.

September 24: Dr Bill Sewell, Department of Immunology, St Vincent's Hospital - to be announced.

October 15: Dr Andy Davis - to be announced.

October 22: Professor Helen Garnett - to be announced.

October 29: Dr Valerie Morris (School Biological Sciences, University of Sydney) Early development of the endemic sea urchin Holopneustes purpureascens.

November 5: Departmental meeting.

November 12: Associate Professor Tony Hulbert, Oils ain't oiks- why cats eat meat.

November 19: Associate Professor Ted Steele, Somatic hypermutation in antibody V-genes.

November 26: Dr Glenda Sullivan-Tailyour - to be announced.

December 3: Associate Professor Rob Whelan - to be announced.

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

Department of Electrical and Computer Engineering

Staff/Postgraduate Research Seminars

July 29: David Rowe, The multi-band excitation speech coder.

August 5: John Kostogiannis, The speech processing testbed.

August 12: Hao Hi, Generation of depth maps using absorption in a coloured liquid.

August 19: James Andrew, Sub-band coding of imagery.

August 26: David Irvine, Resonant DC link inverter.

September 2: Mark Lesha, Sub-surface radar.

September 9: Bronwyn Evans, Robot controllers.

September 16: Juha Touminen, Parallel manipulators in robotics.

September 23: Professor B. Bose, Recent developments in power electronics and motor drives.

October 14: Dr B.S.P. Perera, Finite element analysis of EM devices.

October 21: Dr F. Naghdy, Ripeness measurement of soft fruits.

All seminars are held in room 35/C45 at 12.35pm. For further information please contact Philip Ogunbona on 3403.

Department of Management

Postgraduate Research Seminars

August 9: Dr A B Sim, Interrelationships of strategy and control system attributes. 12.30-1.10pm. Building 40, Room 130. Enquiries: Dr M Jabri, ext. 3647.

Department of Mechanical Engineering

August 9: Dr Keith Enever, BHP steel-coated products division, Pressure surges in pipe systems. Building eight, Seminar Room, 4.30pm.

Department of Philosophy

Colloquia

August 16: David Lewis, Princeton, Evil for freedom's sake, Room 1034, Level 1, Building 19. 1pm.

August 23: John Quilter, Australian Catholic University, Title of paper to be advised, Room 1034, Level 1, Building 19. 12.30pm.

October 4: Justin Oakley, Centre for Bioethics, Monash University, Title of paper to be advised, Room 1034, Level 1, Building 19.

Department of Psychology


Education Policy Program

August 16: Associate Professor Malcolm Harris, Integration of management and motivation theory.

August 30: Professor Russell Linke, Performance Indicators in higher education.

September 6: Associate Professor John Hedberg, Information Technology and education organisation.

September 27: Dr John Patterson and Mr Gregg Rowland, Teachers and involvement in policy.

October 18: Professor Carla Fasano, Knowledge, ignorance and epistemic utility: Issues in the construction of indicator-system.

November 1: Ms Nita Temmerman, Perception of the music community about the role of the Australia Council Performing Arts Board.

November 14: Mr Ian Brown, Introduction of design education: Implication of educational policy.
All seminars will be held in building 21, room 101 at 12.30 pm.

**Faculty of Education**


**MOLAB Seminar series No. 2**

August 7: Dr Barry Harper and Associate Professor John Hedberg, Educational implications of multi media. 12.30-2.30pm. Pentagon 4.

**Royal Australian Chemical Institute (RACI): Wollongong Branch**

August 6: Paul Schober, Peptide Technology Ltd, Enzymatic Peptide Synthesis: An Overview. 5.30pm Conference Room 2/3 Illawarra Technology Centre.

**School of Creative Arts Research Colloquium**

August 22: Anne Brennan, Identity and Artefact. Anne Brennan, a jewellery maker, also writes extensively on craft, personal experience and material culture.

October 31: Studies in Contemporary Arts Practice and Performance in Australia. Presented by members of the University research program: Diana Conroy, Ian McGrath, Sue Rowley, John Senczuk, Andrew Schultz, Peter Shepherd and David Vance.

**Advertisements**

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

**FOR SALE**


**FOR SALE**

Ladies Mitchell bike. $85. Elaine, ext. 3491.

**FOR SALE**

1984 Camira SLX. Very good condition. Tel D Fuller 26 5410 (ah) or ext. 3851.

**The Menzies Foundation**

Scholarship in the Allied Health Science

This scholarship is offered to postgraduate students at an Australian university for two years full-time study. The purpose of the scholarship is to stimulate research by persons working in the health field in disciplines other than medicine. The University closing date is September 6. The External closing date is 20 September. The resulting paper will appear in the Small Business Review. The External closing date is 23 August.

**Australian-American Educational Foundation**

1992 Fulbright Awards

Awards are now available for study, research and lecturing in the USA. The various categories are: Postgraduate Student, Postdoctoral Fellow (up to 12 months), Professional (4 months, topic for 1992 is Business Management and Industrial Relations), Senior (short term visit, such as conference, seminar, master classes). The External closing date for all awards is 30 September.

**Australian Postgraduate Research Awards**

Postgraduate Scholarships 1992

Applications are called for scholarships for full-time students undertaking a research only degree, eg Masters Honours by research or Doctor of Philosophy. Applicants must be Australian citizens, with an Honours II, i or the equivalent. Part-time applications will considered only with exceptionally good reasons.

**Previously Advertised Closing Date**

The Duke of Edinburgh 7th Study Conference

Nomination for Invitations

Nominations are called for the above conference to be held at Oxford University in July 1992 on the theme of International Issues, Individual Initiatives. All travel and accommodation costs will be met by the conference organisation. The External closing date is 30 September.

**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.

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
Aust. Institute of Agricultural Science Travel Grants August 9
Sir George Murray Prize August 9
Harkness Fellowships (USA Travel and Study) August 16
Multiple Sclerosis Society P/Grad Scholarship August 16
Nuffield Foundation Fellowships 1992 August 30
AFUW Queensland Inc Scholarships September 20
The University of Wollongong Conservatorium of Music is holding a **Celebrity Concert** on August 9 at 8pm in the University Music Auditorium. The concert features Conservatorium staff members Philida Green (piano), Nan Price (piano), Andrew Malec (oboe), Hugh Webb (trumpet) and Keith Hempton (bass). Inquiries 28 1122 or 21 3533.

The Department of Creative Arts is holding two **free public exhibitions** this month. The first, from August 2-18, is called Wild West Show. This exhibition features work by West Wollongong TAFE art staff. The official preview will be on August 17 from 7-8.30pm. The second exhibition, featuring work by Gowri Nayak and Gillian Broinowski, will run from August 22 to September 8. This exhibition will be opened by the High Commissioner of India, A.M. Khaleeli, on August 21 at the preview from 7-8.30pm.

The next staff forum to discuss matters important to the development of the University will be held on Wednesday August 14 at 12.30pm. This forum will discuss equal opportunity and affirmative action issues relating to female staff.


Open Day - Sunday August 25.

**Postgraduate Open Day 1991** will be held on September 6. The purpose of the day is that members of the University community can learn about the range and quality of research being conducted on campus. Emphasis will be on either poster/display or short oral presentations. It is expected that only 10 oral presentations will be held. For any information contact Denise Stevens in Academic Services.

A **concert of outstanding musicians** of the School of Creative Arts’ music strand will be held on September 7 at 7.30pm in the Music Auditorium. Works include Beethoven, Mozart, Bach, Grieg, Faure, Bizet and Verdi. Admission is $7 for adults and $4 for pensioners or students. Children are free. Bookings: tel. 28 8964

The Australian and New Zealand History of Education Conference will be held at the University of Wollongong, from October 3-6. All papers will be presented in Kemira Rooms and Union Board Room. The ANZHES Conference invites papers on the theme of biography and autobiography in the history of education. For more information contact Associate Professor N.J. Kyle, ANZHES Conference 1991, PO Box 1144, Wollongong, NSW, Australia 2500.

Graduation Ceremonies - October 10-11.

A **course to give science professionals confidence** in dealing with the media is being held from September 10 until October 19. Communicating Science Through the Media is being held at the University of Technology in Sydney. The cost is $825. Inquiries (02) 281 8563.

Women’s engineering lifestyle workshop

AN ENGINEERING lifestyle workshop, aimed to promote women in engineering, was held at the University last Friday.

This is the second year the workshop has been held. It is designed for women enrolled in engineering and Year 12 students intending to enrol in engineering next year.

The workshop was hosted by the Women in Engineering Network (Wgien); The Faculty of Engineering; the Institution of Engineers, Australia; and the University of Wollongong Counselling Service.

The workshop focused on the aims of WIEN which include providing role models for students, encouraging the continued enrolment of women students in engineering, and promoting engineering as a potential career for women.

Guest speakers at the Workshop included Ms Tricia Shanahan, 1991 President, WIEN; Ms Lynn Caron-Townsey, Electrical and Communications Engineer, OTC; and Ms Lillian Ng, Final Year engineering student at UTS.

What’s On

Interdisciplinary project Artscape. October 31: Third-year acting students preview their professional auditions.

Stop Press

**Colorado College New Music Ensemble**

August 14, Music Auditorium 7.30pm $10 and $5 concession. 10 pianists and one piano!