THE UNIVERSITY OF WOLLONGONG

CAMPUS NEWS

Distributed each Tuesday

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Editor: George Wilson, Tel. (042) 27 0926
(042) 28 6691

University Telecom Collaboration

Telecom Australia is to staff and fund a high-level research and development facility at The University of Wollongong.

This is the first time Telecom has committed substantial amounts of money and personnel to an R&D facility outside its own organisation.

From March 1990 Telecom, in co-operation with the University, is to establish a customised software solutions centre in stage 2 of the Illawarra Technology Corporation Limited.

Altogether, some 20 software engineers are expected to be recruited to the Centre and around $2m is to be invested in the first year of operation.

The Centre is to develop customised intelligent network solutions and ISDN applications for Telecom's business customers' needs.

In particular, the CSSC will design and test to prototype stage software intensive components of Telecom's customised network services.

Among the first services to be examined by the University-based software engineers is telephone call management.

According to Peter Gerrand, Telecom's manager for Network Product Evolution, it should soon be possible for subscribers to receive calls from different handsets in offices, cars, public telephones and at home, depending on the time of day and using the same telephone number.

Instead of a telephone number that directs calls to a specific handset or switchboard, users of intelligent networks are given a personal identification number, or PIN. This enables them to key in instructions that tell the telephone system of a move from one location to another.

Depending on the origin of a call, it should even be possible for calls from different parts of Australia to end up at different destinations. For example, calls from Hobart could be routed to Melbourne and those from Darwin could be directed to Brisbane.

Designated Customnet 1, the first customised network service incorporating some of these feature is due for release next year.

According to Gerrand, Customnet 1 is a product with significant export potential.

Choosing Wollongong as the site for the CSSC was no coincidence. Said Gerrand, 'We intended to take full advantage of the synergy to be gained by placing the CSSC in a close relationship with a university that was strong in the computer sciences and engineering.

'Telecom will start placing staff on campus in the next two months, building up to a group of about 20 by the middle of next year.

'Further growth will depend upon our ability to win major business with Customnet and ISDN services from our major corporate customers.'

NSW Premier briefed on NEISS

During his visit to Wollongong on Friday October 27, NSW Premier Nick Greiner visited The University of Wollongong for a briefing on National Engineering Information Service (NEIS). The University recently sold a majority holding in NEIS to the State Bank

General Notices

Commonwealth Writers Prize administered by William McGaw

William McGaw and Kerry Lyon

The University of Wollongong has taken over the administration of The Commonwealth Writers Prize. A major event in the 1989 World literary calendar, which has previously been administered from England, the Prize will this year be administered by William McGaw of the Department of English in his capacity as chairman of SPACLALS (South Pacific Association for Commonwealth Literature and Language Studies). Kerry Lyon is assisting as Project Officer and Juli Crooke has been taking care of the entries.

The Commonwealth Writers Prize was established by the Commonwealth Foundation in association with Book Trust and the Royal Overseas League. It is designed to encourage and reward the upsurge in Commonwealth writing and to ensure that works of merit reach a wider audience outside their countries of origin.

Any work of fiction is eligible - novel, collection of short stories, full-length play or collection of one-act plays. There is no restriction on setting, theme or mode - but each entry must have been written in English by a citizen of the Commonwealth.

For the purposes of the Prize, Commonwealth countries are divided into four regions: the Caribbean and Canada, Africa, South-east Asia and the South Pacific, Eurasia.

Regional winners are

Caribbean and Canada
Best book:Erna Brodber (Jamaica), *Myal*
Best first book: Bonnie Burnard (Canada), *Women of Influence*

Africa
Best book: Tsitsi Dangarembga (Zimbabwe), *Nervous Conditions*
Best first book: No award given

SE Asia and the South Pacific
Best book: Janet Frame (New Zealand), *The Carpathians*
Best first book: Gillian Mears (Australia), *Ride a Cock Horse*

Eurasia
Best book: Marina Warner (England), *The Lost Father*
Best first book: I. Allan Sealy (India), *The Trotter - Nama*

Successful authors will be flying in to celebrate their regional victories and to discover who will be declared the overall winners in the two categories.

The awards will be announced at a dinner to be held at the Sydney Opera House on November 8. The overall winner will receive $20,000 for the Best Book and a trip to London in December to meet the Queen at Buckingham Palace. Best First Published author will receive $2,000. There were also regional prizes of $1,000 each.

An international panel of academics and writers is also arriving in Sydney for the final judging. As well as William McGaw and Professor Di Yerbury, from Macquarie, the panel includes Mr I. Faletau (Director of the Commonwealth Foundation), Dr Kirpal Singh, Professor Diana Brydon, Ms Ama Ata Aidoo, Dr John Thieme, Professor Anna Rutherford and Ms Bernice Reubens, a former winner of the Booker Prize.

Flying Doctor wins again

Dr Hilary Winchester, Department of Geography, pictured below, with the trophy awarded for winning one of the husband-and-wife categories in this year's City to Surf. Hilary completed the 14 km course in 59:53, while her husband, Dr Stephen Gale (Department of Geography, University of New England), finished in 49:18.

Other notable University successes included a fine individual run by Jason Wendt, geography student, who finished in the top 75 in the excellent time of 47:04. Mathematics student, Simon Suters, completed another impressive run in a personal best time of 48:22. Simon last year led the way to the top of Mt Keira in the infamous mountain run. International House also entered a large contingent of runners and walkers, with their three fastest members achieving third place in the Higher Education team category in the combined time of 182:00 (Martin Byron 59:01; Simon Morton 61:05; Craig Barratt 61:54). Professor Dudley Jackson, Department of Economics, again made the traditional trek up heartbreak hill in the spirit of City to Surf.

From left: Mr Z.H. Frinces, Associate Professor John Mangan, Associate Professor Garry Tibbits, Mr Jim Langridge, His Royal Highness Sri Sultan Hamengku Buwono X, Mr Robin Horne, Her Royal Highness Gusti Kanjeng Ratu Hemas, Mr Tony Naughton, Mr Poncowanto, Mr Robby Kusumaharta

University visited by the Sultan of Yogyakarta

On Monday October 23 the Sultan of Yogyakarta, Indonesia, Sri Sultan Hamengku Buwono X visited the University. Currently on an official visit to Australia, the Sultan is a member of the Indonesian parliament and holds a variety of political and other positions. His visit to the University was arranged by Tony Naughton in the Department of Management. The Sultan was acting in his role as Chairman of the Indonesian Chamber of Commerce and Industry (Kadin) to negotiate a training program to be mounted by the Department of Management for managers and executives in Indonesia.

The Sultan, his wife and party were greeted by Jim Langridge, Vice-Principal (Development). During the afternoon his party held discussions with Garry Tibbits, Acting Dean of Commerce, John Mangan, Acting Head of Management and other members of the Department. The meeting concluded with the signing of a Memorandum of Agreement between Kadin and the University.

In the afternoon the Sultan presented a lecture to Indonesian students on campus and in the evening Professor Lachlan Chipman, Pro Vice-Chancellor, hosted a dinner for the royal party.

The day was regarded as a success by all concerned in terms of negotiating the training program and furthering Australian-Indonesian relations.

Innovative Management Program

ITCUniadvice Limited is running an innovative management program at the Illawarra Technology Centre from December 11 to 13.

The program is in two parts, the first two days on 'Managerial effectiveness' and the second, on the last day, on 'Leading your work team'. The cost is $195.

For further information telephone (042) 26 8888.

Release of Session 2 examination results

Session 2 examination results and 1990 re-enrolment information will be posted to each student's registered home address on Monday December 18. Students should ensure that the University has their correct home addresses before December 1.

Students should note that examination result notices will not be available for collection and information concerning examination results will not be given by telephone. However, the results will be displayed in the Pentagon on Monday, December 18, from noon to 6 pm.

Students who have not paid outstanding charges to the University, such as library fines, student loans and other charges, by Friday December 8, will have their examination results withheld. Where outstanding charges are paid after December 8 results will be available on Tuesday 2 January 1990.

Students who will satisfy the requirements for a degree or diploma at the end of session 2 1989 must submit an Application for an Academic Award by November 30 if they wish to participate in the May 1990 Graduation Ceremonies.

K E Baumber, Vice-Principal (Administration)

Research at Cooper Creek

Dr David Knighton, Reader in Geography at the University of Sheffield, is spending five months as a Distinguished Visitor in the Department of Geography.

Dr Knighton has been employed by the University of Sheffield since 1969 and his main research interests – the process of river channel adjustment to natural and disturbed conditions in a wide range of fluvial environments, including work on the hydraulic geometry of rivers, glacial hydrology, the effects of alluvial tin mining and reservoir construction on river behaviour – have taken him to Britain, Norway, Canada, New Zealand and Tasmania.

Among Dr Knighton's widely published works is the standard text *'Fluvial Forms and Processes* (1984).

Dr Knighton's main teaching interests are fluvial and glacial geomorphology, the application of mathematics/statistics to problem solving in geography and courses on 'Modelling in Geography', the use of computers.

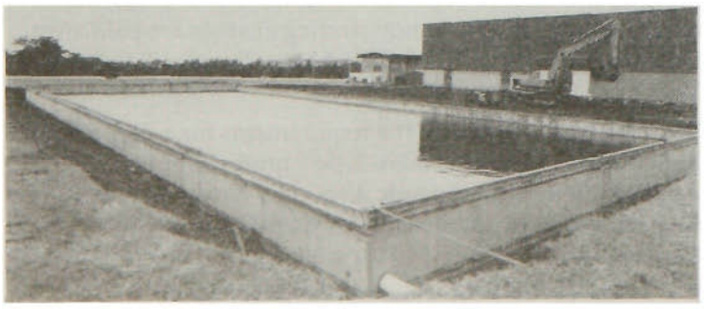
While at Wollongong, Dr Knighton will work with Associate Professor Gerald Nanson on the channel characteristics of Cooper Creek which drains into Lake Eyre from south-west Queensland. Their research will focus on how the river system has evolved over the past 100,000 years and on how the present river channel responds to the very sporadic runoff.

One of the most notable features of Cooper Creek is the co-existence of different types of multi-channel pattern, which are activated at different stages of flow. During moderate floods the flow is limited to a system of anastomising channels which are widely separated over a flood-plain which reaches a width of 60 km, while at very high flood discharges the system becomes braided, comprising broad, low-sinuosity channels and lozenge-shaped bars that are elongate in the flow direction. Preliminary observations from air photographic evidence suggest that Cooper Creek is gradually migrating westwards along part of its course, in the process invading a sand-dune field. Field work in the area is planned for late October-early November.

Dr Knighton will also work with Dr Colin Woodroffe on the Mary River east of Darwin as part of a project funded by the Conservation Commission of the Northern Territory. Before the early 1940s the Mary River failed to reach the sea in a continuous channel but since then two tidal creeks have been cutting headwards from the coast, the consequent incursion of salt water killing the freshwater vegetation which is the main feature of this wetland environment. The work will involve a reconstruction of changing conditions over the past 6,000 years and an analysis of the ways in which the tidal creeks are extending headwards and developing their drainage networks in the hope of being able to predict the future course of salt-water intrusion.

The Conservation Commission is currently constructing causeways to prevent further headwards extension of the salt-water system but the tidal creeks which have already cut back over 30 km are very active and are already exploiting old channel lines in an attempt to bypass the causeways.

Taking shape and holding water
Five days of testing, including a trial fill at the end of last month, proved the University's new swimming pool to be sound. The water has been drained and tiling started this week. Completion is scheduled for early 1990



Freedom of Information update

FOI in action

Many individuals and organisations are now using FOI to find out about matters relating to their own personal affairs and about a wide variety of issues of more general interest. Commonwealth and Victorian statistics show that more than 70 per cent of FOI applications have been granted in full.

Some examples of the successful use of FOI are:

- an individual obtained from the Department of Social Security all the papers relating to his application for Unemployment Benefit which had been refused;
- environmental groups obtained documents providing details of proposed urban developments in forestry areas;
- a former patient in a psychiatric centre obtained details of drugs used in her treatment program, to assess with her advisers the appropriateness or otherwise of the drug treatment;
- a journalist obtained documents which revealed that proper standards of hygiene had not been complied with by a food products manufacturer;
- the Public Interest Advocacy Centre obtained records which formed part of a marketing application concerning an intra-uterine device (IUD) by a pharmaceutical company (to the Department of Health);
- a company had refused employment to a person who complained to the NSW Committee on Discrimination in Employment and Occupation that he had been refused because of his political beliefs. The man sought access to documents supplied to the Committee by the company which outlined its reasons for not employing him; and
- a recipient of Unemployment Benefits asked the Depart ment of Social Security to see a written record of an anonymous telephone complaint about him, alleging that he was employed in the building trade while receiving the Benefit.

How to apply
Contact the government agency most likely to hold the records in which you are interested, to find out whether or not you need to use FOI to obtain access to the documents you wish to see. Access to much information is available without using FOI.

Peg MacLeod
EEO/FOI Co-ordinator

The Friends of the University

A full house on Senior Citizens' Day

As in previous years Senior Citizens' Day, held in the University Union on Friday October 27, was a great success. A full house of over 300 people enjoyed an informative programme with the theme 'Taking back Control'.

Various aspects of control in one's life were addressed, such as control of finances and medicines.

A particularly popular session was one given by Cynthia McLaughlin, from Wollongong Police Community Relations, who outlined some tips on personal safety in her talk 'Control Your Environment'.

Yong Fook Kwok, of the Australian Consumers' Association, was also warmly appreciated in her talks on medications and health professionals.

Representatives from the Drug Offensive and the National Australia Bank presented valuable information; both organisations sponsored the event.

The afternoon ended with music by the Don Harper Jazz Quartet and much audience participation with singing, clapping and dancing to favourite tunes. Thanks go to the School of Nursing, both staff and students, for their hard work and enthusiasm in making the day such a success. The Union catering staff must also be thanked for their splendid efforts.

Above right: Gwen Deighton does a stylish 'knees-up' on Senior Citizens' Day and, below, dancing to the Don Harper Jazz Quartet

Student Accommodation

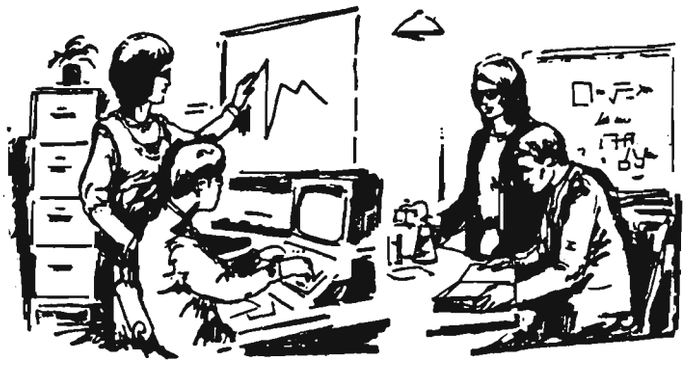
In the October 24 issue of *Campus News*, under the heading 'News from Council' on page 3, the figure given for the fee for single accommodation at Weerona in 1990 was incorrect. The correct fees for all University accommodation in 1990 are given below.

International House	$110;	Weerona (single)	$110
Weerona (shared)	$ 92;	Campus East	$110
Kooloobong	$ 76;	Gundi	$ 74

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 Kim Roser (ext 3201). Intending applicants are reminded that all research applications must be forwarded through the Office of Postgraduate Studies.

Previously advertised in Campus News	**Internal closing date**
Fulbright Awards for Senior	November 16
German Study Visits	November 16
CSIRO Industrial Tech. PhD Scholarships	November 16
Wool Research Grants	November 17
Japan Foundation Grants	November 17
ATERB Grants	November 17
Pig Research Student Awards	November 17
Academy of Science China Exchange Program	November 17
Spencer Fellowships	December 1
Bede Morris Visits to France	December 1
Aust. Special Rural Research Fund Grants	December 1
Great Barrier Reef Marine Park Grants	December 5
CSIRO Postgraduate Project Awards	December 17
Pig Research Grants	December 17
Rockefeller Fellowships	December 17
Canadian Faculty Enrichment Awards	January 7
ATERB Medal	January 7
Health and Community Services Research Grants	Any time
Grants for Field Research	Any time
Australia-China Council Grants	Any time
Research into Drug Abuse	Any time



Staff Roundup

Recreation and Long Service Leave Applications

As it is approaching the time when we are all considering taking leave at Christmas, General Staff are reminded of the following conditions relating to Recreation and Long Service Leave Applications.

1. Only staff who belong to the FMWU or are proceeding overseas on leave are entitled to Pay-in-Advance.

   Those employees proceeding overseas who wish to be paid in advance should attach to their leave application proof of their travel arrangements. If there are no sup porting documents attached to the leave form pay-in-advance will not be granted.

Remember, advances are only made for the pay days on which you will be absent and this payment will be made in the last pay received before leave begins.

   Please ensure that all leave applications requiring payment-in-advance are received in the Salaries Office not later than three weeks before leave begins.

   For those employees not receiving pay in advance pay will be deposited into accounts each fortnight as usual.

2. Leave loading is payable in the first pay in December of each year. This does not apply to FMWU members who have received a Leave Loading during the year 1 December 1988 to 30 November 1989.

If there are any queries regarding the above or any other matter please do not hesitate to contact the Salaries Office on extension 3914 or 3930 for assistance.

Christmas Pay Periods

Owing to the restricted time available for salary preparation for the pay days 21 December 1989 and 4 January 1990 the following close off dates will apply:

Pay Due 21 December 1989. All salary variations and overtime sheets to reach Personnel Services **not later than** 4 pm, December 8.

All time-sheets for casual staff and part-time teaching returns to reach Personnel Services **not later than** 4 pm, 13 December 1989.

Pay Due 4 January 1990. Overtime sheets to reach Personnel Services **not later than** 4 pm 15 December 1989. All time-sheets for casual staff and part-time teaching returns to reach Personnel Services **not later than** 4 pm, 21 December 1989.

Time-sheets, overtime sheets and part-time teaching returns received after the respective cut off dates will not be paid until the next available pay.

Owing to the limited time available for processing pays for pay days 21 December 1989 and 4 January 1990 variations to salary deductions, the inclusion of additional deductions and changes to salary accounts may not be processed until the pay of 18 January 1990.

Staff proceeding on recreation leave and requiring pay in advance (under the new leave provisions) are reminded that such application must reach Personnel Services **not later than** three weeks prior to their last day of duty.

Salary payments for casual staff who have worked up to 31 December 1989 will be charged against 1989 accounts provided the time sheet reaches the Salaries Office by not later than 4 pm, 21 December 1989.

Any salaries not paid by the first pay day in 1990 will be a first charge against 1990 funds.

If there are any queries regarding the above please do not hesitate to contact the Salaries Office on extension 3914 or 3930.

Staff Development Courses

Counselling Skills for Performance Appraisal

November 9

For deans and heads of units who are responsible for performance appraisal of staff. To assist with the development of the skills necessary in conducting a performance interview.

Management Development for Academic Women

November 14

A workshop for academic women which addresses the specific concerns of women in the academic profession. The workshop will be conducted by Lynne Wenig who is an experienced management consultant and ex-academic.

Topics will include leadership styles, network analysis, power inventory and other issues of concern to the group with the view to developing actions steps which will be presented in a plenary session.

Selection Techniques for Deans and Heads of Units

November 23 (9 am to 2 pm)

A special workshop designed for deans and heads of units which discusses how selection procedures at the University have been modified to meet legislative requirements.

Nomination forms for Staff Development Courses from Shirley Jorgensen ext 3946.

Tertiary Education Superannuation Scheme

Member statements and Annual Reports are now being distributed. If you hve not received your copies, contact the University's Superannuation Officer, Mrs Barbara Smith, ext 3930.

Concerts, exhibitions and entertainment

John Eveleigh: 'Heroic Materialism and the Natural Order'

Paintings and drawings: aspects of Australian mining, manufacture, transport and port facilities, and NSW landscapes and seascapes, DCA Submission.

Karl Preuhs: Ceramics. Karl Preuhs celebrates 30 years as a ceramicist in Australia.

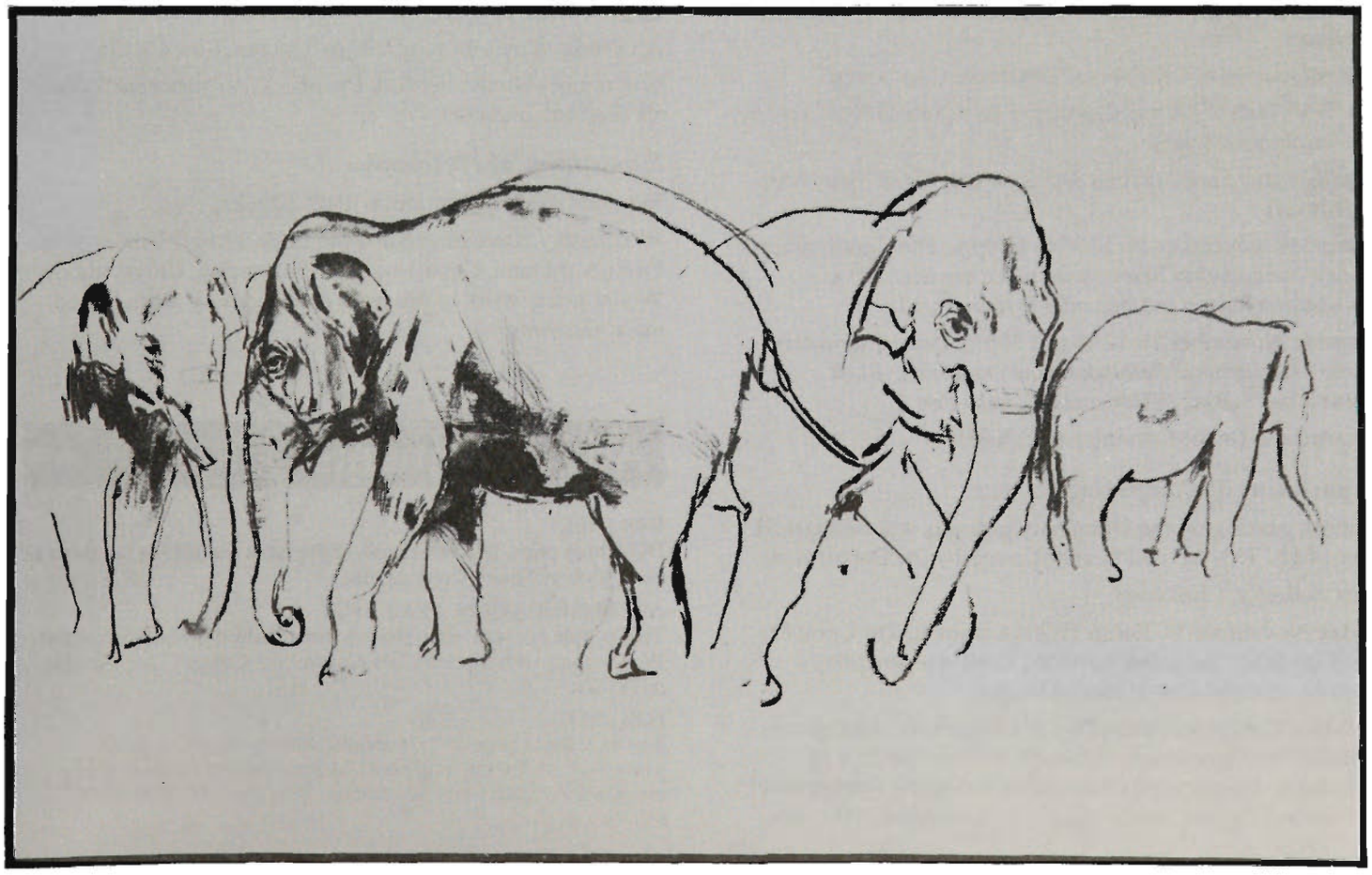
Edith Kouto: Smaller paintings sales area feature.

At the Long Gallery until November 12.

School of Creative Arts diary

Friday November 17: **Preview**. Long Gallery, School of Creative Arts. Exhibition of works by **BCA graduating students**. 7.30 pm. Open to the public November 19 to 29.
Tuesday December 5: **Preview**. Long Gallery, School of Creative Arts. Exhibition of works by Postgraduate Students, **Barry Gazzard, Walter Smith, Joy Warren** and, in the Union building, Michael Morgan. To be opened by Dr Peter Shepherd at 8 pm. Open to the public December 6 to 17.

The drawings above and below are two examples of John Eveleigh's virtuosity with charcoal on board. These drawings are respectively entitled 'Carrington Falls' and 'The Elephants at Taronga Park'



Seminars

Department of Biology

Seminars will be held in Lecture Theatre G.19, Building 35, at 12.30 pm.

November 14: Patrick Tap, Topic to be announced.

November 21: Sue Carthe, *Sex in banksias*

November 28: Kerry Withers, *Protein energy malnutrition and cellular metabolism*

Biomedical Evening Series

Each seminar will be preceded by dinner at the Union Bistro at 6.30 pm. All those interested are welcome to meet the speaker at the Bistro. Please contact the Convener, Dr E. J. Steele (042) 27 0434, so that appropriate table bookings can be made. Seminars begin at 8 pm in the Biology Meeting Room, Building 35.

Wednesday November 15: Sponsored by BDH Chemicals. Dr Bruce Pussel, Renal Unit, Wollongong Hospital, *Pathogenesis of post streptoccal nephritis*

Department of Civil and Mining Engineering

Water Engineering and Geomechanics Research Program

Seminar and Research Discussion Program by Distinguished Visitor, Professor E. Dembicki

Professor E. Dembicki is a visiting Professor from Gdansk University in Poland. He has lectured widely in Europe and has vast experience of geotechnical engineering.

Awarded a Doctorate Honoris Causa by the University of Grenoble, France, in 1986, Professor Dembicki has held various positions in his University including the equivalent of Vice-Chancellor (by election for a three year period).

Thursday November 9: 9 am to 5 pm, Photogrammetry Room Civil Engineering Building - *Geotechnical Engineering Seminar:*

(a)*Optimisation of Geotechnical Structures* (one hour);

(b)*Model Tests of Bearing Capacity of Week Subsoil Reinforced by Geotextiles* (one hour);

(c)*Influence of Scale Effect on Soil-Geotextile Direct Shear Tests* (one hour)

Thursday November 16: 12.30 to 1.30pm, Photogrammetry Room - *Geotechnical Research Group Discussion: Block Foundations Subject to Horizontal Forces - Part 1*

Tuesday November 21: 12.30 to 1.30pm, Photogrammetry Room - *Geotechnical Research Group Discussion: Block Foundations Subject to Horizontal Forces - Part 2*

Enquiries to Dr R.M. Arenicz (ext. 3035).

Department of Computing Science

Visitors parking on the University grounds will be charged a fee of $1. This fee will be reimbursed by the Department.

Alex Zelinsky, Convener

Friday November 10, Room 15.206A from 1.30 to 2 pm: Mr Van Dao Mai, Computer Services, *Computer perception – symbolic representation of natural images*

Abstract: Computer perception is a large area of interest in artificial intelligence which has drawn the attention of researchers from various disciplines including fundamental and social sciences. The sluggish development in the area suggests that there are some fundamental theoretical issues that have not been resolved or completely overlooked. Evidently there is a need for a wholistic approach to the problem which appears to be possible now because research for the past 2500 years has set up all the valuable pieces of information.

In this project, the epistemology of human perception is investigated to form a theoretical framework for the assessment of works done in the area, to see what has gone wrong and what has not been done. A detailed new scheme of image representation is presented which shows more hope than previous works. Also, theoretical framework on the modelling of human perception is developed to shed light on the nature of edge-detection and visual recognition.

Department of Economics

Seminars are held in room 19.2085. Information from Dennis O'Brien,(042) 270 654 (ext. 3654) or in Room 19.2076.

Wednesday November 8, at 12.30 pm: Dr Anoop Chaturvedi, Department of Mathematics and Statistics, University of Allahabad, UP India, *Improved estimation in linear models with nonscalar disturbances convariance matrix*

Wednesday November 15, at 12.30 pm: Sandra Mark, MCom (Honours) student, Department of Economics, the University of Wollongong, *Rural income and employment in Indonesia*

Department of Management

Seminars are held on Thursdays at 12.30 pm in Room 19.1003.

November 9: Tony Naughton, *Corporate strategy and capital structure*

November 17: Dr Muayyad Jabri, *Management of professional R&D scientists: The case of a British pharmaceutical company*

November 23: Dr Stephen Little, *Institutional versus task environments: the organizational context of technical projects*

Department of Materials Engineering

All Wednesday seminars 4.30 to 5.30 pm, Room 1.134

Wednesday November 8: L Plambeck, *Magnesia particulates for electrical insulation*

Department of Philosophy

Inquiries to Dr Robert Dunn (042) 270 621.

Wednesday November 8 at 1 pm in Building 19, room 1034: Dr Robert Dunn, Department of Philosophy, University of Wollongong, work in progress paper, *Akratic attitudes and moral reasoning*

Advertisements

FOR SALE
Doberman pups, five weeks old. Telephone ext 3081 or see them at No 8 Vickery Street, Gwynneville

ACCOMMODATION AVAILABLE
Two people are wanted to share a three-bedroom house in central Wollongong with me from late November. Contact Tim, ext 3234 or 297471.

FOR SALE
Toyota Corolla Seca CS 1988 model, automatic, white, paint protection, 23,000 km, reg. no RDM 266. $16,000. Owner going overseas. Available late November. Telephone ext 3741 or 833764 a.h.