Number 27, 1993

UNIVERSITY OF WOLLONGONG

Wednesday, 8 September

CAMPUS NEWS

New Pro Vice-Chancellor (Academic) installed

Professor Christine Ewan took up her new position as Pro Vice-Chancellor (Academic) on Wednesday 1 September.

Professor Ewan was previously the Dean of the Faculty of Health and Behavioural Sciences.

She was first appointed to the University in 1986 as Associate Professor, School of Health Sciences and was subsequently appointed Foundation Dean of the new Faculty of Health and Behavioural Sciences in 1990, following a one-year period acting in that position.

In 1991 she was elected Foundation Chair of the Council of Deans of Health Sciences.

She holds qualifications in medicine with honours from Sydney University and a doctorate also from Sydney in medical education as well as a Master of Arts in Anthropology.

She has held numerous positions on national public health committees and has conducted research and un-

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New Pro Vice-Chancellor (Academic), Professor Christine Ewan

Telecom funds research to boost business

Telecom Australia has renewed a research contract with the University of Wollongong which will help businesses to shape their use of the Telecom network to meet individual needs.

The Federal Minister for Communications, Mr David Neddall, announced on 26 August that Telecom's Applied Research and Development group would provide $1.2m over three years to the University of Wollongong to develop the next phase of work into switched network research.

Telecom's Director of Applied Research and Development, Mr Ray Liggett, said that continuation of this work will ensure that Australian business will benefit through the provision of more cost-effective and sophisticated communications technology.

Mr Liggett commended the University of Wollongong for its recognition of research areas of value to the Australian economy.

'Our collaboration with Wollongong means that Australia will be well placed to take a leading role in the design, manufacture and export of advanced telecommunications technology,' he said.

The Director of the Centre for Information Technology Research at the University of Wollongong, Dr Ian Reinecke, said the latest funding by Telecom would enable the

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Attendance proves value of Open Day

In spite of the weather the attendance at Open Day on 29 August proved that holding such an event is a valuable opportunity for prospective students and for interested members of the community.

Reports indicated an increase in the numbers of prospective students and their parents attending the information sessions.

Staff spoke to students from all over NSW including Wagga, Gunnedah, ACT, Sydney and all parts of the Illawarra.

Lively interest was show in the Cooperative Education Scholarship scheme for outstanding students and parents were impressed with the Vice-Chancellor's address which outlined what values the University was endeavouring to instil in its graduates.

There is no doubt that students are becoming more sophisticated in the search for tertiary education opportunities and are taking every opportunity to gain information to help them make informed choices.

Universities that respond well and give clear, friendly information are held in high regard.

Award for Carol Morse

Professor Carol Morse, Head of the Department of Nursing has been awarded the 1993 Organon Fellowship by the Australian Society for Psychosomatic Obstetrics and Gynaecology for significant psychological research in women's reproductive medicine.

This award was presented at the Annual Congress held in Melbourne 20-23 August.

She was required to present the Organon Keynote Lecture and the talk was titled 'Towards a Psychological Construction of Women's Health'.

Student scholarship

The University of Wollongong Cricket Club is offering cricket scholarships to University of Wollongong students for the 1993/94 cricket season.

The scholarships will range in value up to $1000 for educational expenses.

Applicants should include a copy of their Curriculum Vitea and playing record plus the contact details of two referees.

The details of the criteria for selection can be obtained from Ms Stacey Beer at the Clubs Office of the Recreation and Sports Association.

The closing date for applications is Friday 17 September, 1993. Applications should be forwarded to the honorary secretary of the cricket club, Dr John Pemberton at the clubs office.

For further detail phone John Pemberton 213425 or Barry Reid 296844

October Graduation

The general details of the October Graduation Ceremonies have been determined as follows:

Thursday 7 October at 2.30pm: Arts, Engineering, Health & Behavioural Sciences, Informatics and Science.

The speaker will be The Most Reverend R H Goodhew, Anglican Archbishop of Sydney.

Friday 8 October at 10am: Commerce, Education and Law. The speaker will be Justice Jane Mathews

Both ceremonies will be in the Union Hall.

Invitations for academic staff to participate in the academic processions will be distributed shortly.

Further enquiries can be directed to Jenel Elrick (ext. 3947), Olena Cullen (ext. 4136) or Trevor Cuthbertson (ext. 3928).

Swinging into spring

The Illawarra Choral Society's Spring Concert conducted by Robert Smith of the Faculty of Education will feature choral works based on lively folk songs and dances by Vaughan Williams and Kodaly.

Also on the program are choral arrangements of Lennon and McCartney tunes ranging from the beautiful Let it Be and Long and Winding Road to the light-hearted Ob-La-Di Ob-La-Da and When I'm Sixty-Four.

To complete the swinging spring theme special guests will be internationally acclaimed jazz musicians Don Harper, formerly Head of Jazz Studies in the School of Creative Arts, on violin and Eric Bryce on piano.

The concert will be presented in the fine surroundings of the former Wollongong City Council Chamber which is now part of the Wollongong City Art Gallery on Monday 13 September at 8.30pm.

Tickets $10 and $6 from Jurjens in Crown Street, members of the Society or at the door.

New Pro Vice-Chancellor (Academic) installed

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dertaken consultancies in the areas of health professions, faculty staff development and community health, including work for the World Health Organisation and more recently public health and environmental health policy for the Commonwealth Government and NHMRC.

For an interim period, untll a new appointment is made, Professor Ewan will continue to act as Dean as of the Faculty.

Arrangements have been made within the faculty to distribute some of the responsibilities that normally would rest with the Dean.

As well, a temporary redistribution of some responsibilities of the Pro Vice-Chancellor (Academic) have been arranged.

Pro Vice-chancellor (Research), Professor Bill Lovegrove, will assume responsibility for the Information Technology service and the Library.

Vice-Principal (Administration), Mr Ken Baumber, will be responsible for Community Affairs and Chair of the Senate, Professor Barry Conyngham, will be responsible for chairing the Student discipline Committee.

This arrangement will be reviewed after the appointment of a Dean.

As Pro Vice-Chancellor (Academic), Professor Ewan will immediately assume responsibility for Teaching and Academic development, the preparation of the Quality portfolio and the Wollongong Graduate Consortium.

Wollongong attracts $230,000 Teaching Development Grants

The University has performed well in the allocation of the 1993/94 National Teaching Development Grants announced last week by DEET.

The Federal Government made $5.2m available for the improvement of teaching, learning and assessment in higher education.

Of the 136 grants awarded the University of Wollongong won five - a commendable result for a university of this size.

These grants are extremely competitive and the quality of submission is improving every year.

The grant recipients and their projects were:

Dr Sharon Beder - Learning autonomy and lecture enhancement in Environmental Studies.

Professor Philip Broadbridge - Engineering project-orientated mathematics supported by algebraic software.

Dr Barry Harper - An interactive multimedia package for teaching experimental design skills in Biology.

Dr Roger Lewis- Improving learning and assessment associated with problem solving.

Ms Linda Claire Tapsell - Self-directed learning in nutrition counselling.

The funding, which was based on recommendations by the Committee for the Advancement of Tertiary Teaching (CAUT), is worth more than $230,000 to the University.

The 1992 Law Revue

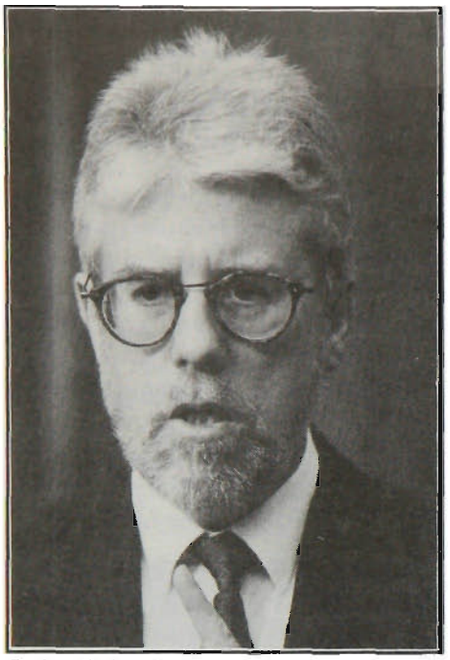
Get ready for another law review

After the huge success of last year's production, 'Sex, Lies and Magistrates', students from the Faculty of Law are again busily rehearsing for this year's extravaganza boldly entitled 'White Men Can't Judge'.

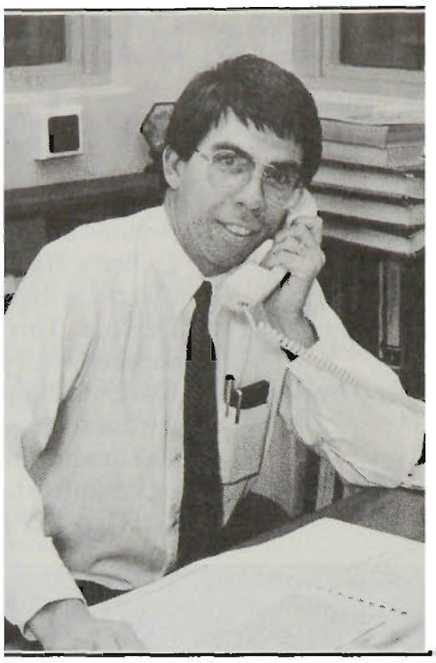
The Law Revue 1993 promises to be a comical and entertaining event with acting, singing, and dancing.

Not only the legal profession but various facets of life such as television shows, commercials, politicians and celebrities will be parodied in the two-hour show which will be held at the Illawarra Performing Arts Centre, Burelli Street, Wollongong on 9, 10 and 11 September at 8.15 pm.

Tickets are only $7.50 and bookings are available on 26 3366.



Dr Ian Reinecke



Professor Gary Anido

Professor Hugh Bradlow

Telecom funds research to boost business

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institution to take on more postgraduate students to undertake research into switched networks.

The Swtiched Networks Research Centre currently supports eight postgraduate students, with another three to be added.

'This latest contract with Telecom enables us to contribute to the development of important telecommunications technology, and to train highly-skilled Australian researchers to further develop their expertise in this area,' Dr Reinecke said.

The Switched Networks Research Centre was established at the University of Wollongong by Telecom in 1990 as part of the Centres of Expertise program, which funds universities to carry out specialised research in their field of expertise.

The Switched Networks Research Centre is directed by Professor of Computer Engineering, Professor Hugh Bradlow, and Professor of Telecommunications Engineering, Professor Gary Anido.

'In the 1990s there will be radical change in implementing the telecommunications network to support new services like multimedia communications, personal numbers and mobile communications,' Professor Bradlow said.

Complicated software programs will be required to enable Telecom Australia to run these networks effectively and the aim of the Centre's mission is to develop the knowledge and algorithms which will enable such software tools to be produced.

Professor Bradlow also emphasised the Centre's function in training a new generation of telecommunications researchers who will have the skills to capitalise on important new opportunities for Australia.

Since SNRC's establishment additional funding of more than $1m has been attracted from Ericsson Australia, AWA and the Defence Science and Technology Organisation (DSTO) to conduct research into related areas.

SNRC has provided considerable information in the last three years on network design problems

'In the first three years of its existence SNRC focussed on providing knowledge relating to strategies for implementing the new network technologies of the 1990s,' Professor Bradlow said.

In particular, it is anticipated that there will be a convergence of all services that are currently supported on different networks (telephone, computer and broadcast entertainment networks) into one network, which is referred to as the Broadband Integrated Services Digital Network (B-ISDN).

This network will be based on a new switching technology called ATM or Asynchronous Transfer Mode.

SNRC has provided considerable information in the last three years on network design problems, such as how to manage the traffic on an ATM network and to share it between vastly different traffic demands (such as voice and data).

According to Professor Bradlow, a new paradigm has emerged in telephone network construction, the so-called Intelligent Network, whereby the information and control of individual telephone calls is split between multiple switches in the network.

While this offers considerable advantages, it also creates many potential pitfalls and SNRC has identified such traps and ways in which they can be avoided.

SNRC has also made considerable progress defining the algorithms for software tools that can be used for network implementation.

Having gained insight into the opportunities and pitfalls of the new network technologies in the first three years of existence, SNRC will now move its focus to defining systems which will assist Telecom Australia in offering these new network services in a cost effective manner.

Wollongong's drive for quality

In September 1990 the Vice-Chancellor asked the Dean of Students, then Professor Murray Wilson,and now Ms Josie Castle, to begin an enquiry into the fit between the stated objectives of the University's degree programs and the extent to which the degrees' subjects and courses actually helped to achieve the kind of graduate which the degree guaranteed to produce.

In April 1991, after much debate with faculties the Undergraduate Studies Committee recommended to Senate that one method of achieving 'fit' and matching means to ends would be requesting academic units to provide for the Committee statements which:

1. identified their disciplinary goals and objectives.
2. specified the relationship between their educational expectations and their pedagogic practices, including assessment methods and the goals of the larger units of which they form a part.
3. explained the utility of the selected indicators of student performance in measuring the achievement of these objectives.

Acting on these recommendations Senate initiated for all academic units a process of intensive self scrutiny to articulate learning objectives for all new and existing courses and subjects and for every unit in the University.

By mid-1993 this project was three-quarters complete.

Dean of Students, Josie Castle

Statements of objectives for new and existing 200 level subjects are before the committee.

In 1994 all 300 and 400 level subjects will be reviewed and in 1995 the cycle will begin again with existing 100 level courses.

Ms Castle said: 'At this stage in the exercise it is timely to look at the statements of unit objectives.

'In aggregate they sum up the academic direction of the University at a crucial point – the submission of our Quality portfolio.

'They represent part of our considered, and early, response to the very considerably increased national scrutiny of universities. especially the issues of pass rates and the quality of graduates.'

The quality movement itself is a response to the transition from an elite to mass system of higher education, a change which began 40 years ago but which has accelerated in the last five years.

In a period of such rapid and fundamental change governments and other stakeholders are concerned to preserve traditional standards and values and to look for ways of assuring that these continue to exist.

The review of course and subject offerings is an important part of the drive for quality at the University of Wollongong.

ITC BULK MATERIALS HANDLING
The Illawarra Technology Corporation Limited

Short Course On
STORING & FEEDING BULK SOLIDS*
6-8 October 1993

Major topics include: flow properties of bulk solids; design parameters for bins, feeders and chutes; hopper geometries; interfacing feeders with bins; loads on feeders and bin walls; bin dischargers; flow rates from bins; new test-design procedures; industrial case studies.

Short Course On
DESIGN & OPERATION of PNEUMATIC CONVEYING SYSTEMS*
6-8 October, 1993

Major topics include: concepts and terminology; characterisation of bulk solids; dense-phase suitability; feeding and disengaging; design techniques; industrial-scale demos of systems; conveying characteristics; latest developments; industrial case studies.

*** The above 2 courses will be run *in parallel.***
Course Fee $600 ea - incl. Notes, Lunches, Dinner.
Registration & Further Information:
Dr Peter Wypych or Professor Peter Arnold,
Department of Mechanical Engineering, University of Wollongong,
Northfields Ave., Wollongong N.S.W. 2522.
Phone: (042) 213062, Fax: (042) 213101.

First edition of Information Systems journal

he first issue of the Australian Journal of Information Systems (AJIS) will be launched by the Department of Business Systems at the University of Wollongong this month.

In recent years Information Systems has steadily grown in importance providing the much needed link between technology and the businesses and organisations which employ is.

The area of Information Systems is extremely diverse, impinging on almost all facets of working and social life.

Throughout the planning and development of the first issue, many things became clear.

Firstly there is a wealth of interest, support and expertise throughout Australia in the many areas collectively known as Information Systems.

Not only has this support come from within Australia but, perhaps more importantly, there is a growing respect by the international community towards the research and scholarship that is emanating from Australia.

The second conclusion was the need for a forum through which this research and scholarship could be acknowledged and shared.

It is hoped that this journal is recognised by the Australian Information Systems community as their forum for the dissemination of knowledge.

The journal should not simply act as a place for publication of material, though obviously this is important, but should provide the catalyst for the advancement of Information Systems both nationally and internationally.

This first issue contains eight articles, covering challenging topics.

It is the mission of this journal to publish quality research and scholarship in all areas of Information Systems and as such it is hoped that the diversity contained in this first issue will be the hallmark of subsequent issues.

For Information Systems to be of importance to the community it cannot simply be the province of a small minority but must reach and support all practising professionals.

The editors believe that the articles in this first issue fulfil this aim.

Editor is Mr Rob McGregor, of the Department of Business Systems.

Editorial enquiries should be directed to him. Fax: (042) 21 4474.

Young engineers develop new skills

Four young engineers recently put their oral presentation skills to the test when they entered the campus heat of the Young Engineers Australia Public Presentation Competition.

The competition was organised through the Illawarra regional office of the Institution of Engineers, Australia and sponsored by Young Engineers Australia.

The judging panel for the evening comprised of a representative from each of the Engineering departments on campus: Professor Chris Cook (Electrical and Computer), Professor Lewis Schmidt (Civil and Mining), Associate Professor Bob Wheway (Mechanical) and Professor Noel Kennon (Materials Engineering).

Spokesman for the panel was Chairperson, Young Engineers Illawarra, Mr Glen Mackintosh.

The first place winner, Lyle J Griffiths, is a mechanical engineer who has just completed his degree requirements through the Mechanical Engineering Department at the University of WOllongong.

His presentation, 'Quality systems in medium-sized business', incorporated facets of his new position at SEC Plating.

Lyle won $200 and will compete in the State divisional finals at Darling Harbour this month.

Second place getter was Martin Lvella, who has graduated with an Associate Diploma in Mechanical Engineering from TAFE. He is now enrolled in a BE (Mech) at Wollongong University.

His presentation, 'Send 'em to the theatre', was an entertaining look at theatre technology and its application to engineering. He received $50 for his efforts.

The other two entrants were commended on their efforts by the judging panel.

Laura Camarotto, a second year Civil Engineering student, presented a thought-provoking talk entitled 'Enginology' which addressed the need for engineers to develop better waste management procedures incorporating both public and industrial acceptance.

Risman Cornelius, a final year Materials Engineering student, gave a technical perspective of hip replacement and the technology involved in materials used in his presentation entitled 'Towards the ever-lasting hip joint'.

The Public Presentation Committee was initiated by the Young Engineers Australia National Committee several years ago to encourage young engineers to develop skills in oral presentation early in their career.

The divisional final winner will compete in the national finals at the National Engineering Conference usually held early the following year and organised by the Institution of Engineers, Australia.

This is the second year the campus heat has been held at the University of Wollongong.

Paid Advertisement

Old & Groovy Shop

Bric-a-brac for Hunters and Collectors.
1860s to 1960s.

156 Corrimal Street
Opp Wollongong Golf Course.

Jobskill trainees gain university employment

The University has offered further employment to 14 former Jobskills trainees, most of these are limited-term appointments.

Terry Hutchinson, Admin Assistant-Accounts, Financial Services - (permanent position).

Anne Wakeford, Office Assistant, Computer Science.

Annette Moon, Admin Assistant, International Office.

Jann Greentree, Office Assistant, Geology.

Deidre Edwards, Office Assistant, Office of Community and Dev Affairs.

Afrodita Brbevski, General Library Assistant, Library.

Donna Roach, Admin Assistant, Student Services.

Nicole Loves, Office Assistant, ITS-User Services.

Belinda Braid, Office Assistant, International House.

David Jenkins, Office Assistant, History & Politics.

Roza Dimeska, Laboratory Assistant, Medical Research Unit.

Zoran Jovanoski, Technical Officer, Physics.

Jose Gonzalez, Laboratory Assistant, Materials Engineering.

Paul Teeuwen, apprentice electrician.

Jobskills is an innovative program designed to improve the employment prospects of people who have been out of the workforce for 12 months or more.

Participants must be aged 21 or more, registered as unemployed with the CES for a minumum of 12 months, and in receipt of a Social Security benefit.

Funded by Commonwealth through the Department of Employment, Education and Training.

University of Wollongong

INAUGURAL ALLAN SEFTON MEMORIAL LECTURE

Union Function Centre, Building 11
Thursday, 23 September 1993

6.30 pm	Poster displays on environmental research at the University of Wollongong in Foyer of Function Centre
7.30 pm	Welcome by Professor Ken McKinnon, Vice-Chancellor, University of Wollongong
7.35 pm	Tribute to Allan Sefton, by Councillor David Campbell, Lord Mayor of Wollongong
7.45 pm	**Allan Sefton Memorial Lecture**, presented by Dr Harry Recher, Associate Professor, Department of Ecosystem Management, University of New England, Armidale

'Science and Conservation: Towards alternative strategies for protecting Australia's biological resources'

In his presentation Dr Recher will consider environmental management in terms of science and conservation. Specific examples of environmental problems, such as land degradation, water pollution and the extinction of species will be discussed. The ways in which these problems might be more effectively resolved will be explored using simple ecological principles and examples from natural history. During this process alternative strategies to those practiced in the last 50 years for the conservation of Australia's biological resources will be suggested, and the role of scientists highlighted.

8.30 pm	Vote of Thanks, by Mr Paul Jeans, General Manager, BHP Slab and Plate Products Division, Port Kembla.

Book with Sandra Quin (042) 214134

Long Gallery

Until 12 September: Flowers, Herbs, Human Seat and Animal Breath. **Photographic exhibition** curated by Robyn Goldacre.

16 September - 3 October: **Spirituality and Mother Earth – Women stories**. Pam Johnston – recent paintings and curated works by aboriginal artists.

General

10 September: **Postgraduate Research Student Open Day**. Union Function Centre. 11.30am-3.30pm followed by the Inaugral Postgraduate dinner at 7pm. Poster displays and oral presentations on postgraduate programs. Enquiries to Kim Roser, ext. 3079, or Barbara Kane-Maguire, ext. 3573.

20 September: **Biological Sciences evening seminar**, The Promega seminar on Plant Biotechnology, given by Dr Jim Peacock (Chief, Division of Plant Industry, CSIRO). The title is 'Farming with genes'.

15 September: **Graduate House, Northfields Ave seminar**, 'Supervision: Your Rights and Obligations', 12.30-1.30pm. Due to the increasing popularity of these seminars it would be advisable to book. Phone Derek Handley, ext. 3326 or ext. 4248.

21 September: 4.30pm Kemira Room 3, **Illawarra Committee for Overseas Students (ICOS) Annual General Meeting**. Written nominations for executive office are due by Friday 10 September. Contact Wendy Jabri at the ICOS office in the Union Building, 3rd Floor on Wednesday, from Thursday or Friday from 9.30am-2pm.

23 September: **Inaugural Allan Sefton Memorial Lecture**, 7.30pm, Union Function Centre, Building 11. Dr Harry Recher, Associate Professor, Department of Ecosystem Management, University of New England, Armidale. 'Science and Conservation: Towards alternative strategies for protecting Australia's biological resources'. Enquiries: Sandra Quin (042) 21 4134.

What's On

8-10 October: **Australia's fourth law and literature conference**, hosted by Wollongong University's law school. Distinguished US law and literature scholar, Richard Weisberg, will be the keynote speaker. Other speakers include Chris Masters from *Four Corners*, John Slee, *SMH*, Janet Fife-Yoemans, *The Australian*, legal commentator Chris Murphy and former ombudsman George Masterman. For further information and registration contact Penny Pether, phone 21 4293 or Robyn Handley, phone 21 3726

28-30 September: **1993 ANZAAS Congress**. Curtin University, Perth.

10 October: **Annual University Service** at 7pm at St John's Anglican Church, Eastern St, Gwynneville. The preacher will be the Rt Rev Dr Reg Piper, the new Bishop of Wollongong.

9-10 November: **International Conference on Islamic Banking**, organised by the University's International Business Research Group and sponsored by Al Baraka Investment And Development Co., Jeddah, Saudi Arabia. Venue: The University Centre, Sydney. Enquiries: Dr Nelson Perera, phone 21 4028.

Animal Experimentation Ethics Committee meeting dates, with agenda deadlines in brackets, are: 22 November (12 November).

Human Experimentation Ethics Committee meeting dates with agenda deadlines in brackets are: 5 October (21 September); 16 November (2 November); 21 December (7 December).

Undergraduate Studies Committee meeting dates, with agenda deadlines in brackets, are: on the following dates: 9 November (26 October). Submission to Trevor James, ext. 4457, by 5pm of deadline date.

Considering further study or just some recreational reading? Visit the **Campus Alumni bookshop** and gallery book sale at Campus East, Fairy Meadow. The stock of used books covers: Science & Engineering, Social Sciences, Arts & Music, Education, Fiction & Non-Fiction, Young Readers' Stories & Classics. Open every fourth Saturday and Sunday of the month from 1-5pm, the bookshop is located at Cowper Street, Fairy Meadow (opposite the Science Centre). Your donations of any material are invited. These may be left any weekend afternoon at the Science Centre (Please mark 'Booksale'), or The Library or Students Enquiry Desk during the week.

Illawarra Committee for Overseas Students events for this year are: 18 September, Blue Mountains; 26 and 27 September, Canberra; 16 October, Sydney Aquarium and harbour cruise; 4 December, Australia's Wonderland. Tickets and details are available from ICOS office, 3rd Floor, Union Retail Centre on Tuesday, Wednesday and Friday from 9.30am to 2pm or phone 21 3158.

Stop Press

Paris applauds Andrew Schultz, Senior Lecturer, School of Creative Arts and composer of the opera 'Black River' (see Campus News next week)

Campus News is published weekly on Wednesdays. Send material, preferably by Microsoft Mail or on disk, to Gillian Curtis (042) 21 3110 by noon on Monday of the week before that of publication