THE UNIVERSITY OF WOLLONGONG
CAMPUS NEWS

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Editor: George Wilson, Tel. (042) 270926

19 July 1988

Showing off the Illawarra

The Illawarra Development Board has commissioned a large (11 metres x 3 metres) work from students of the School of Creative Arts. When completed, it will be used as a spectacular backdrop for the Board's exhibitions in Melbourne and Sydney.

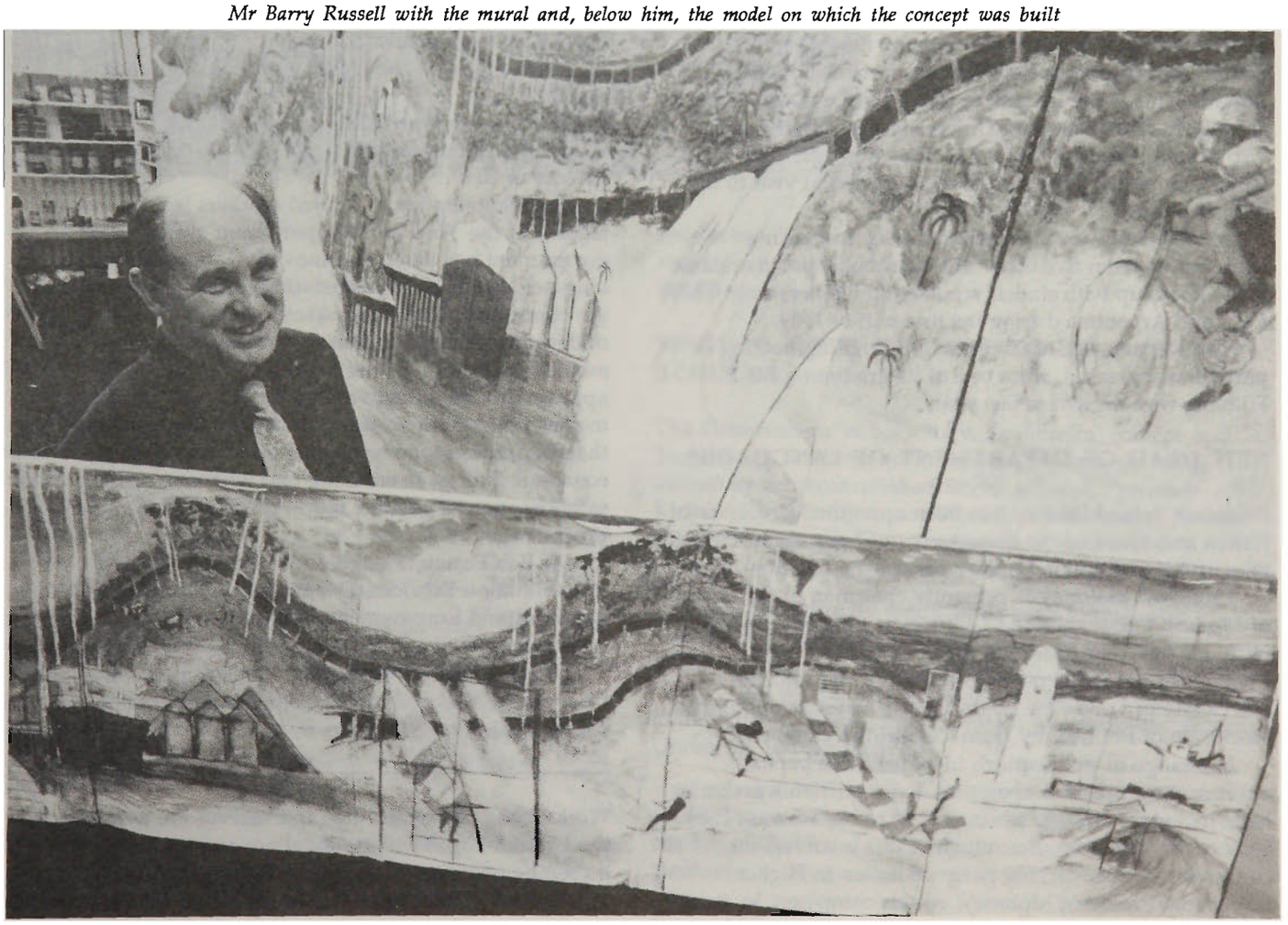
The first showing will be at the Australian Bicentennial Trade Fair at the Melbourne Exhibition Building from July 23 to 30. It will be used again at the Australian International Engineering Exhibition from September 12 to 16.

The work has been designed by the students. It depicts an impression of the Illawarra region, its industries, its attractions and its lifestyle.

The students who have been involved with the work are Greg Eager, Lynn Brunet, Paul Ryan and Tjenka Murray, with Tony Newson, Technical Assistant at the School of Creative Arts, in an overseeing role.

Board Chairman, Barry Russell, says the idea was the result of a desire to stage a display which attracted crowds and, at the same time, showed the creativity of the region.

Mr Barry Russell with the mural and, below him, the model on which the concept was built



General Notices

Two in a row

Atlas Copco Travelling Scholarship for Mining Engineering Undergraduates

Scholarship winner Mr Craig Mackey with Public Relations Manager of Atlas Copco, Mr John Crooks

A mining engineering student, Mr Craig Mackey, has been awarded the prestigious Atlas Copco Travelling Scholarship for 1988. The Scholarship will provide Mr Mackey with a seven-week, all-expenses-paid, tour through the UK, Belgium, West Germany, Sweden and Spain. During the time he will spend overseas visits will be made to various types of mines using the latest compressed-air technology, for which Atlas Copco is world famous. This is the third time that a Mining Engineering student from Wollongong University has won the award.

Mr John Crooks, Public Relations Manager with Atlas Copco, announced the award during a recent visit to the Department.

Mr Mackey won the scholarship against strong competition from five other mining schools in Australasia. He will join up with similar scholarship winners from Chile, Peru and Argentina during the first part of 1989.

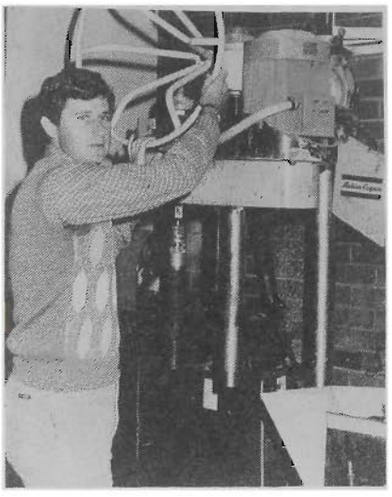
The Department of Civil and Mining Engineering is particularly pleased, since one of its graduates, Mr F. Fulham, won the award last year.

NEW HEAD OF DEPARTMENT OF LANGUAGES

Professor Brian Moloney has been appointed Professor of Italian and Head of the Department of Languages. He will take up his position in January next year.

Professor Moloney is presently chairman of the School of Modern Languages and Cultures at the University of Hull. He has held positions as Lecturer and Senior Lecturer at the University College of Wales and the University of Leeds. He holds a Master of Arts degree and Doctorate of Philosophy from Cambridge University.

His range of publications includes three books; another three are in preparation. Extra curricula activities have included editorial posts as well as chairman of the Society for Italian Studies, much of this involvement concerned with a working party on Italian in Higher Education. Professor Moloney, who is competent in



Winner in 1987 was Francis Fulham, also a Mining Engineering student

French and German, as well as Italian, has recently been focusing his research on the development of the Italian novel since the late 18th century.

UNIVERSITY VIDEO AVAILABLE AT UNION SHOP — $15

A 12-minute promotional video of The University of Wollongong produced by the Sydney based professional marketing group Quantum Lead.....

The video covers life on campus, courses and research as well as some spectacular shots of the Illawarra region. Excellent souvenirs, or to send to people interested in the University.

THE AUSTRALASIAN INSTITUTE OF MINING AND METALLURGY TECHNICAL MEETING

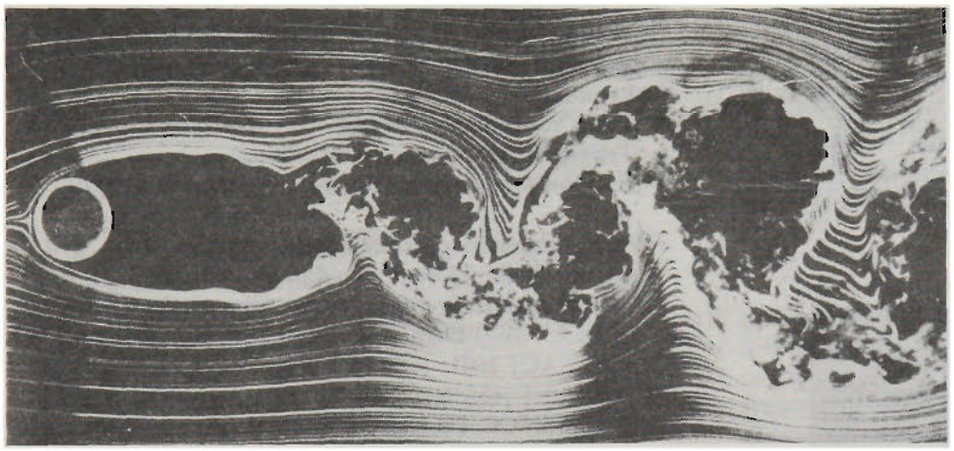
Date: Wednesday July 27
Place: Pentagon 1, The University of Wollongong
Time: 7.30 pm
Speakers: Keith Horrocks and Mark Bond
Topic: Development of Export Coke Markets. The recent success of BHP.

The rehabilitation of injured workers is now a central feature of the Workers Compensation system. The government has taken an innovative approach to this long-neglected area by legislating for a system based on the concept of workplace-based rehabilitation. The underlying principle is that the workplace, and not a medical institution or the home, may be the most appropriate and effective place to rehabilitate the majority of injured workers. Another major principle is that all parties at the workplace have a social and economic interest in ensuring that workers return to work safely as soon as possible following a work-related injury or illness.

Mr Bob Sealey, Mediation Officer, Division of Rehabilitation Services, Department of Industrial Relations and Employment, will outline the guidelines for workplace-based occupational rehabilitation programs.

Dr Ian Tague, Occupational Physician with the Joint Coal Board, will outline the Board's rehabilitation program for the coal-mining industry.

Wollongong University ties and scarves are available from the Union Shop. They are excellent as presents to those travelling overseas, or as gifts to colleagues, friends, and graduates.



Dr J.F. Howell (middle), technician, with an aerofoil-section mockup of an object being used in wind tunnel tests for fluid-flow around cylinders. Dr Kohoutek is on the left

INVESTIGATING FLUID FLOW

A couple of weeks ago we reported on Dr Richard Kohoutek's research into the dynamic performance of semi-rigid joints in, for example, framed structures used in the mining industry.

Another research project by Dr Kohoutek has given rise to his being invited to write a paper for a prestigious Australian Institute of Steel Construction's journal, *Steel Constructions.*

A joint project involving Vipac and the Department of Civil and Mining Engineering, the research in question is an investigation of fluid flow around cylinders. The complexity of fluid flows is still far from being well understood in spite of over 100 years of research effort in this area.

Dr Kohoutek said, 'We understand flow around isolated cylinders reasonably well now, especially for laminar flow, but for more than one cylinder embedded in turbulent shear flow, the problem is far from being understood.'

Dr John Howell, of Vipac, adds, 'The problem has significant implications for Australian industry where boiler condenser tubes, heat exchangers and other large items of critical plant in the power generation and mining industry suffer tube consequences in terms of replacement costs and down times. The joint research project aims to extend our present understanding of complex fluid/structure interactions in the tube banks.'

The project will utilise Vipac's boundary layer wind tunnel at the Port Melbourne laboratory where the experiments will be conducted. Theoretical modelling and analysis of the results will be performed at The University of Wollongong.

SEMINAR SERIES BY DISTINGUISHED BRITISH SCHOLAR

The Departments of Sociology, Economics, Science and Technology Studies and Management are soon to be visited by an accomplished British scholar, Professor Richard Whitley. Professor Whitley is well known for his contributions to the sociology of the sciences, and business and management studies.

He is currently on study leave from Manchester University's Business School where he was Dean. Professor Whitley will be travelling to Australia from Hong Kong where he is currently Visiting Professor of Management in the Department of Management Studies, University of Hong Kong.

Professor Whitley is author of *The Intellectual and Social Organisation of the Sciences* (1984), co-author of *Master of Business? Business Schools and Business Graduates in Britain and France* (1981), editor of a number of books including *Scientific Establishments and Hierarchies* (1982) and *Expository Science: Forms and*

Functions of Popularisation (1985), and the author of numerous articles on the sociology of science and on business elites, management and the study of organisations.

During his stay at Wollongong, Professor Whitley will be presenting three seminars:

Thursday July 21: *The Sociology of Economics*, Departments of Sociology and Economics, 1 pm, Room 19/2100, (contacts: Dr Tom Jagtenberg (042) 67 2119, or Professor Steve Hill, ext 3745).

Wednesday July 27: *The Transformation of Expertise by New Technology*. Department of Science and Technology Studies, 1.30 pm, Room 19.2061, (contact: Dr Terry Stokes, ext 3772).

Thursday July 28: *On the Nature of Managerial Tasks and Skills*. Department of Management, 10.30 am, Room 19.1003, (contact: Dr Muayyad Jabri, ext 3657).

Richard Whitley's broad-ranging scholarship and dry wit should guarantee a stimulating series. For further enquiries contact Dr Tom Jagtenberg, (042) 67 2119.

GRANT FOR DR LALEEN JAYAMANNE

Dr Laleen Jayamanne, lecturer in film and drama in the Department of English, has received a grant of $7,500 from the documentary Development Program, the Creative Development Unit, of the Australian Film Commission. The grant is to enable Dr Jayamanne to develop the script of her next film *Image in the Heart* to be shot in Sri Lanka.

In support of her application for the grant she submitted her most recent film *Rehearsing*, which explores homoeroticism's debt to 'the maternal' (primary narcissism). The film has been screened at the Politics of the Body conference.

Stills from Rehearsing. Frame enlargement: Arthur Cantrill

The maternal tableau

AVCC INFORMATION SERVICE

The Australian Vice-Chancellors' Committee operates a central information-gathering and distribution service which is available to all member universities.

The service, which has been in operation since the late 1960s, produces AVCC summaries of information.

The service is a central clearing house for information on the policies and procedures of universities and is designed to minimise duplication of requests between individual institutions.

Under the system, a university requiring information about procedures, policies or other statistics from other universities files a request with the AVCC. Often the information is already available in the central registry; if not, the AVCC collects the data from individual institutions, compiles this and distributes it to all universities.

Universities are discouraged from contacting other institutions direct and instead are urged to use the central resources of the AVCC system. Requests to the AVCC to collect information should be made through the Vice-Chancellor's or the Registrar's office. The AVCC does not accept requests from individual members of staff. However staff members may contact the AVCC direct to determine if particular summaries are available.

A complete list of available information will be supplied on request. Summaries now being compiled or just completed include:

- Early retirement schemes
- Ethnics in human experimentation
- Support services available for language and study skills
- Facilities available for students with handicaps.

Inquiries should be directed to the AVCC's Administrative Officer, Ms Marian Obenchain, on (062) 49 7577 or FAX (062) 49 7679. Postal inquiries to GPO Box 1142, Canberra ACT 2601.

CONFERENCE PARTICIPATION

Alison Elliott, from the School of Policy and Technology Studies in Education, was one of the two Australian delegates at the International Council for Computers in Education symposium on telecommunications held recently in Dallas, Texas.

The symposium was held ahead of the National Education Computing Conference 1988, a major gathering of some 5000 people, mostly from the United States, Canada and Europe, involved in educational computing. In addition to taking part in the symposium, Alison presented a paper on her research into young children's experiences with computer-based learning.

Books and Reading

TWO POETS LAUNCH BOOKS AT HAROLD PARK HOTEL

Two collections of poetry by staff members of the School of Creative Arts at The University of Wollongong were launched at the Harold Park Hotel (nowadays a focal point for Sydney's *literati*) on Tuesday July 12.

The Habit of Balance is a first collection by Ron Pretty, Senior Lecturer in Creative Writing. This collection spans his recent writing career, which has been fostered in the pages of such well-known journals as *Meanjin, Southerly* and *Quadrant*. The poems display Ron's wit, complexity and allusive power, and range from a reflective to a satiric mood.

Redshift/Blueshift, by Chris Mansell, is her third collection and it follows hard on the heels of her US success as winner of the 1987 Amelia Chapbook Award. Chris is a part-time lecturer in Creative Writing and one of the most prominent of Sydney's younger poets. This collection displays her abilities well and suggests her importance in the development of a contemporary voice in Australian poetry.

The books were launched by Susan Hampton, poet and co-editor of the landmark *Penguin Book of Women Poets*. The occasion also marked the inaugural publications for Five Islands Press Co-operative Ltd, a new venture in Wollongong.

There will be a local launch on Thursday July 28 at the Bards and Balladiers in Bulli.

...AND ONE ON COMPUTER SYSTEMS

An earlier launch from this University is a work from an entirely different genre. Entitled *Performance Measurement of Computer Systems*, it was written by Dr Phillip McKerrow of Computing Science.

In his preface, Phillip writes: In this book, I have attempted to combine the results of the last three decades of research in measuring the performance of computer systems into a unified body of knowledge: theory and practice. Unification is based on a formulation of performance measurement...

This book commences with an introduction to the field of performance measurement and an overview of various aspects of it. Then, the formulation of performance measurement is described in detail. Other formulations proposed by researchers in the performance evaluation field are discussed, and the underlying conceptual models of program execution are compared. Following this, measurement tools and techniques are reviewed. Next comes the design of a hybrid performance analyser, which is built around a logic state analyser, and is based on a philosophy of hybridization derived from the formulation of performance measurement. Finally, the design of computer systems for performance measurement is discussed. In the last two chapters, the formulation is extended to cover parallel processors, and measurement in a number of other applications.

Case studies are included to illustrate performance measurement methods and software debugging techniques. I have used these case studies to demonstrate the practicality and power of a performance measurement methodology based on the formulation of performance measurement.

McKerrow, Phillip, *Performance Measurement of Computer Systems*, International Computer Science Series, Great Britain, Addison-Wesley Publications Limited, 1988.

TAKE A SUBSCRIPTION TO SCARP

SCARP began as a small in-house publication in 1982. It has developed enormously since then in terms of quality, range, sophistication—and costs. In 1984, for instance, circulation was of the order of 150, print costs were in the region of $300, only poetry was carried, and distribution was almost totally within The University of Wollongong. Currently, the print run is 1000, close to 90 per cent of which is sold. Recently, we took over the subscription list of *COMPASS*, which recently ceased publication. This gave a boost to our circulation, but for the next two issues it will increase our printing costs considerably.

As well, *Scarp* has increased its scope immensely since the early issues. We now carry poetry, prose fiction, articles, graphics, and book reviews. We attract material from all over Australia, and some now from America and Canada. In other words, *Scarp* is becoming established as a mainstream literary magazine, but one which is different: it will continue to carry mainly creative writing, and it will continue to develop its strong visual appeal. These two aspects will ensure its individuality.

Contributions are sought for the magazine. We have paid contributors to the last three issues. Thanks to assistance from the Literary Arts Board, our current rate of payment is $15 to $35 for poetry, $20 to $60 for prose fiction and articles, and $14 a page for graphics. To cover that and other increases in costs, the magazine sells for $4, still at the lower end of the range for magazines of its quality and kind. *Scarp* is published twice yearly—in May and October.

Your subscription will materially assist the continued development of *Scarp* as a literary and arts magazine of interest and quality. For further information contact Ron Pretty in the School of Creative Arts (27 0867 or 27 0985).

Subscription to *Scarp*

The Editor, *SCARP*
School of Creative Arts, University of Wollongong,
PO Box 1144, Wollongong 2500

Please send me a copy of each of the next ..... issues of *Scarp* at $4 a copy. I enclose a cheque/money order for $..... made out to *Scarp*.

Two issues (one year subscription) $8
Four issues (two year subscription) $16

Name .....

Address .....

.....Postcode .....

UNIVERSITY OPEN DAY

SUNDAY AUGUST 28

10 AM – 5 PM

Inquiries (042) 27 0073, (042) 27 0027

Friends of the University

THEO RIPPIS LEADS WOLLONGONG TO VICTORY

Theo Rippis of Wollongong High School achieved a perfect score at the eighth Commonwealth Bank High Schools Chess Tournament on June 26. He led his school to victory and put on a performance that should have him playing for Australia one day.

Diminutive Phung Linh of Cabramatta High won the prize for the best female player and her school was runners-up to Wollongong High School in the team scores.

Aurora College, Moss Vale, took third place.

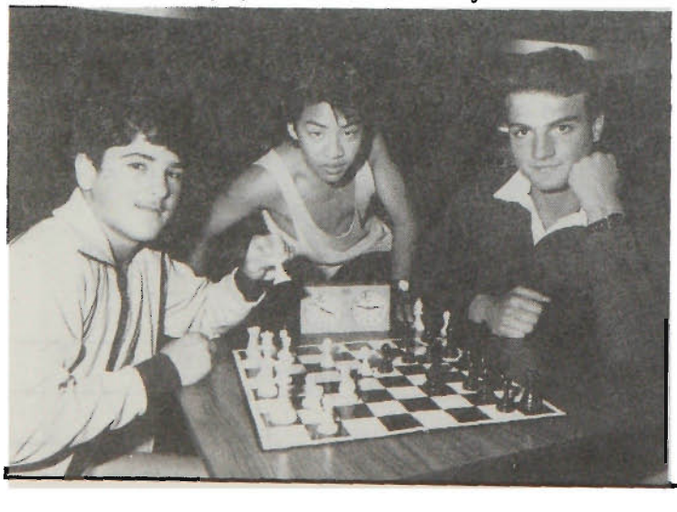
Since 1981 the winning teams have come from far and wide as can be seen by the following table:

1981 Warrawong High
1982 Warrawong High
1983 Warrawong High
1984 Camden High
1985 Wollongong High
1986 Cranbrook, Sydney
1987 Sarah Redfern High, Minto
1988 Wollongong High

The 1988 tournament attracted teams from Wollongong (three), Cabramatta (two), Warrawong (two), Oak Flats (two), and single teams from Keira, Warilla, Sarah Redfern, Minto (half a team supplemented by extras from Oak Flats), Aurora College, Moss Vale, and Smith's Hill High.

The 1989 tournament will be held on Sunday June 25 at noon in the University Union Cafeteria.

Theo Rippis (left) achieved a perfect score in the Commonwealth Bank High Schools Chess Tournament. He led his school, Wollongong High, to victory in the 1988 Bicentennial Tournament. Cabramatta High finished second and Aurora College, Moss Vale, third. Photo courtesy of the Illawarra Mercury



WANTED BOOKS WANTED

Needed now by the Graduates' Group of the Friends for their bookstall on University Open Day, August 28. Please deliver donations of novels, texts, comics and old publications to Friends' House, 55 Northfields Avenue, Keiraville. Your old stuff can be somebody else's treasure!

For inquiries telephone 61 2714 (Dapto), 29 1951 (Wollongong), 67 2229 (Austinmer).

Book conveners: Johanna de Jonge 67 2229, Marjory Macdonald 29 1951.

Concerts, Exhibitions and Entertainment

CHOPIN SOCIETY NIGHT

Saturday September 31 at 7 pm at the Polish Club, 143 Gipps Road, Gwynneville. Admission $10—Chopin Recital, band and supper.

The Chopin Society of Wollongong will raise $1000 on this night to pay for the cost of sending our four young pianists to the National Chopin Competition in Melbourne.

These brilliant young people will perform on the night.

RSVP to 27 0073 or 27 0083 saying how many seats are to be reserved in your name.

SLACKY FLAT

Wendy Richardson, in her second play written for Theatre South, has once again gone out into the community to find real stories of the past. *Slacky Flat* tells the Wollongong story of the thirties—and it'll make you laugh and cry and perhaps, in some cases, even reminisce.

Slacky Flat, like Wendy Richardson's first play *Windy Gully*, is an exciting and evocative story from Wollongong's recent past. The play is directed by Des Davis with a strong cast including Faye Montgomery as Edie MacPherson, Lainie Grugan, Alison Griffiths, Don Francis, Perry Silvio and Andrew James as the gold man.

Slacky Flat runs Wednesday to Saturday at 8.15 pm with Saturday matinees at 4.30 pm.

During the 1988 season Theatre South productions have been more popular than ever. Many people hoping to see *Dags* were disappointed in the final week. The Bridge Theatre has a limited capacity (150) and large party bookings for *Slacky Flat* have already been received. Theatre South therefore strongly suggest early bookings for *Slacky Flat*.

JACQUELINE DU PRE

The Multiple Sclerosis Society of New South Wales has announced a memorial concert in honour of Jacqueline De Pre, Sydney Town Hall Wednesday August 3 at 8 pm.

Artists to appear are: Julie Adam, Robert Ampt, Marc Bonetti, Lauris Elms, Grant Dickson, Charmain Gadd, Daniel Mendelow, Rachel Valler.

The program will include music by Bach, Handel, Schubert, Bruch, Prokoffiev.

Admission will be by donation. (Suggested $10 or $15 or $20 or $50 per ticket). Donations to the MS Society of NSW are tax deductible.

The concert is being arranged for the Multiple Sclerosis Society of New South Wales by the Australian Musicians Academy. Inquiries to (02) 412 1577.

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 Harriss (ext 3201). Intending applicants are reminded that all research applications must be forwarded through the Office of Research and Post-graduate Studies.

NSW CANCER COUNCIL —PATIENT CARE

Applications are invited from those concerned in the care of cancer patients—both medically qualified people and allied health professionals—who have research projects in the area of patient care for which they want support.

Applications close with the University on August 17.

GRAINS LEGUMES RESEARCH COUNCIL

The Grain Legumes Research Council invites applications for proposals to undertake research in the grain industry.

Applications close with the University on September 2.

Scholarships and Prizes

PAWSEY MEDAL

The Australian Academy of Science invites nominations for the 1988 Pawsey Medal awarded to recognise outstanding research in experimental physics. To be eligible candidates' date of birth must fall no earlier than 30 September 1951.

Applications close with the University on September 16.

GOTTSCHALK MEDAL

The Australian Academy of Science invites nominations for the 1988 Gottschalk Medal awarded to recognise outstanding research in the medical or biological sciences. To be eligible, candidates' date of birth must fall no earlier than 30 September 1951.

Applications close with the University on September 16.

PREVIOUSLY REPORTED IN CAMPUS NEWS

	Internal Closing
Art and Working Life Program	August 1
NH&MRC Fellowships	August 5
AINSE Research Fellowhips	August 17
Fenner Conferences	August 17
Commonwealth Scholarship and Fellowship Plan	August 26
Australian-European Awards	August 26
Australian-Greek Awards	August 26
Harkness Fellowships	August 31
Information and Communication Technology Grants	September 2
Piero Fanti International Prize	September 16
Royal Society of Victoria Medal	September 16
Japan Society Exchange Program	September 19
Maxwell Ralph Jacobs Fund	October 17
Gowie Scholarship	October 17
Benians Fellowships	October 30
Lionel Murphy Scholarships	November 16
Academy of Science China Exchange	November 17
IDP Research Funding	Any time
Earthwatch	Any time
Criminology Research	Any time
Pig Research Council -- Support for Eminent Visitors	Any time
MERA Project Grants	Any time
Clive and Vera Ramaciotti Travel Grants	Any time
James N Kirby Foundation	Any time
Telecom Research Laboratories	Any time
NSW State Cancer Council Travel Grants-in-aid	Any time
Visual Arts/Craft Board	Any time

THOMAS RANKEN LYLE MEDAL

The Australian Academy of Science invites nominations for the 1988 Thomas Rankin Lyle Medal awarded to recognise outstanding achievement by a worker in Australia on the basis of research in mathematics or physics.

Applications close with the University on September 16.

eeo news....

DEFINING IMPAIRMENT

At a recent Selection Techniques Workshop I was asked to define physical and intellectual impairment. I thought perhaps the readers of *Campus News* might also be interested in the legal definitions of these terms.

The New South Wales Anti-Discrimination Act, 1977, defines a physically handicapped person as, *'a person who, as a result of having a physical impairment to his/her body, and having regard to any community attitudes relating to persons having the same physical impairment as that person and to the environment, is limited in his/her opportunities to enjoy a full and active life'*. A *'physical impairment'* is a defect or disturbance of the normal structure and functioning of a person's body, whether arising from a condition subsisting at birth or from illness or injury.

An intellectually handicapped person is defined as being *'a person who, as a result of disabilities arising from intellectual impairment, is substantially limited in one or more major life activities'*. An *'intellectual impairment'* is any defect or disturbance in the normal structure and functioning of the person's brain, whether arising from a condition subsisting at birth or from illness or injury.

Because of these narrow definitions, we have a very peculiar situation in NSW, where people suffering from epilepsy or other neurologically based disorders, such as some forms of blindness, are considered to be *'intellectually impaired'*. No doubt the people affected by this strange piece of legislation are not amused.

Peg MacLeod,
EEO Coordinator.

Seminars

DEPARTMENT OF BIOLOGY SEMINAR SERIES SESSION II

The Department of Biology seminars are held at The University of Wollongong on Wednesdays at 3.30 pm in Room 19, Building 35.

July 20
Speaker: Dr Murray Fletcher, Senior Entomologist, Department of Agriculture.
Title: The use of genitalia in agriculture.

July 27
Speaker: Dr Woody Horning, Curator of Invertebrates, Macleay Museum, University of Sydney.
Title: A day in the life of the Macleay Museum.

GEOGRAPHY DEPARTMENT STAFF AND VISITORS' SEMINAR SERIES

Room G027, 12.30 to 1.30 pm each Thursday.

July 21
Speaker: Professor Victor Baker, University of Arizona.
Title: 'Cataclysmic flooding'.
Special Seminar 5 pm, Room G027
Speaker: Professor Victor Baker
Title: 'Palaeoflood hydrology'.

July 28
Speaker: Dr Janet Hooke, Portsmouth Polytech.
Title: 'Historical changes in river valleys and terrace formation in Britain'.

DEPARTMENT OF CHEMISTRY

Date and time: Friday July 22, 11.30 am.
Speaker: Mr Ian Carter, Uniadvice.
Topic: Commercialising Research and Technology.
For further details please contact Dr G.G. Wallace, ext 3504.

STAFF/POSTGRADUATE RESEARCH SEMINAR

Date: Monday July 25 4.30-5.30 pm.
Venue: Room 35.G45.
Topic: Adaptive Decoupling Control for General Stochastic Multivariable Systems.
Speaker: Tian You Chai. Department of Automatic Control, Northeast University of Technology, Shenyang, Liaoning, People's Republic of China, (Visiting Fellow in Department of Systems Engineering, Research School of Physical Sciences, the Australian National University).

UNIVERSITY OPEN DAY

SUNDAY AUGUST 28

10 AM – 5 PM

Inquiries (042) 27 0073, (042) 27 0027

DEPARTMENT OF PHILOSOPHY

Date and time: Friday July 22, 2.30 pm
Topic: Reason and Ethical Goodness
Speaker: Lloyd Reinhardt, Senior Lecturer, Department of Traditional and Modern Philosophy, Sydney University
Venue: Department of Philosophy Seminar Room, North Wing, Social Sciences Building, The University of Wollongong (Building 19.1034).

DEPARTMENT OF MECHANICAL ENGINEERING POSTGRADUATE SEMINARS

Time: 11 am (Friday)
Venue: Department of Mechanical Engineering Seminar Room, Building 8.

July 22
Speaker: Mukeschandra Desai
Title: Flowability Assessment of Powders During Pneumatic Conveying.

DEPARTMENT OF ECONOMICS

The schedule of Department of Economics seminars to August 1988 are:

July 26
S. Mark -- *Rural income and employment opportunities in the Cimanuk River Basin of West Java.*

GEOGRAPHY DEPARTMENT STUDENT SEMINAR SERIES

Room G027, 12.30 to 1.30 pm each Wednesday.

July 27
Speaker: Bruce Gardiner
Title: 'Alluvial stratigraphy and chronology of Nepean River Terraces in the Windsor-Richmond area'. (Hons project).

SCHOOL OF CREATIVE ARTS POSTGRADUATE SEMINARS

All sessions will be held in the Music Centre, 2.30 to 5.30 pm.

July 29
Subject and Reader Positions in the Arts. Speaker: Gunther Kress. Chair: Ron Pretty.

DEPARTMENT OF MANAGEMENT

Topic: On the Nature on Managerial Tasks and Skills: their distinguishing characteristics and organisations.
Speaker: Professor Richard Whitley, Manchester Business School, UK.
Date: Thursday July 28 10.30 am.
Venue: Building 19, Room 1003.
Inquiries: Dr Muayyad Jabri, Seminar Co-ordinator, ext. 3647.

FOR SALE
Pine buffet and hutch, stained teak with glass doors. Excellent condition $150. Telephone 28 1052 (after 4 pm).

ACCOMMODATION
Female or male to share furnished three-bedroom house very near Towradgi beach with 34-year-old male. $60 pw. Phone 27 0355 (day) or 84 6717 (evening).