THE UNIVERSITY OF WOLLONGONG

# CAMPUS NEWS

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8 August 1989

# University's New Science Centre Opens

*Left: The Science Centre is opened by Mr Barry Jones who is clearly delighted with the concept and the experience. Above: The Main Hall is crowded after the opening ceremony as guests inspect the 60 exhibits already in situ*

Last Wednesday week, July 26, Mr Barry Jones MP, Federal Minister for Science, Customs and Small Business, opened an interactive Science Centre at The University of Wollongong.

The Centre's aim is to stimulate interest in science by students and the general public, by providing 'hands-on' experience of science and technology; to demonstrate, in an exciting way, not only the basic principles of science but also provide a showplace for new developments in technology and innovative use of this technology by industry.

The concept of an interactive Science Centre has been alive in Wollongong for many years, due not only to The University of Wollongong, but also to an active community group – the Illawarra Science Planetarium Society – and the vision and determination of Mr Glen Moore, Lecturer in Physics at the University. However, it was only with the acquisition of the Campus East area by the University that the project was able to start.

The University provided a Challenge Grant to enable renovation work at the beginning of 1989 and since then tireless effort has come from the University maintenance workshops and members of the Science and Planetarium Society who put in 2,500 hours of voluntary work. Over 50 companies ranging in size from Apex clubs to BHP have contributed goods and services to the extent that 60 exhibits are now in place.

The Science Centre aims to demonstrate fundamental aspects of science so that the concepts on which they are based may be understood by anyone from primary school age upwards. The areas covered include Physics, Biology, Chemistry, Geology and Geography as well as Mathematics – the language of science. The Centre also provides exhibits which demonstrate the applications of science in industry and in everyday life. The application of science will inevitably involve other technologically orientated disciplines, such as Engineering and Computer Science.

The first stage of the Science Centre, which is now in place, has tried to cover as many of the fundamental aspects of Science as are possible within space and budgetary limitations. The next stage will be to expand to cover all the disciplines at the fundamental level and to put in place many more exhibits which involve industrial

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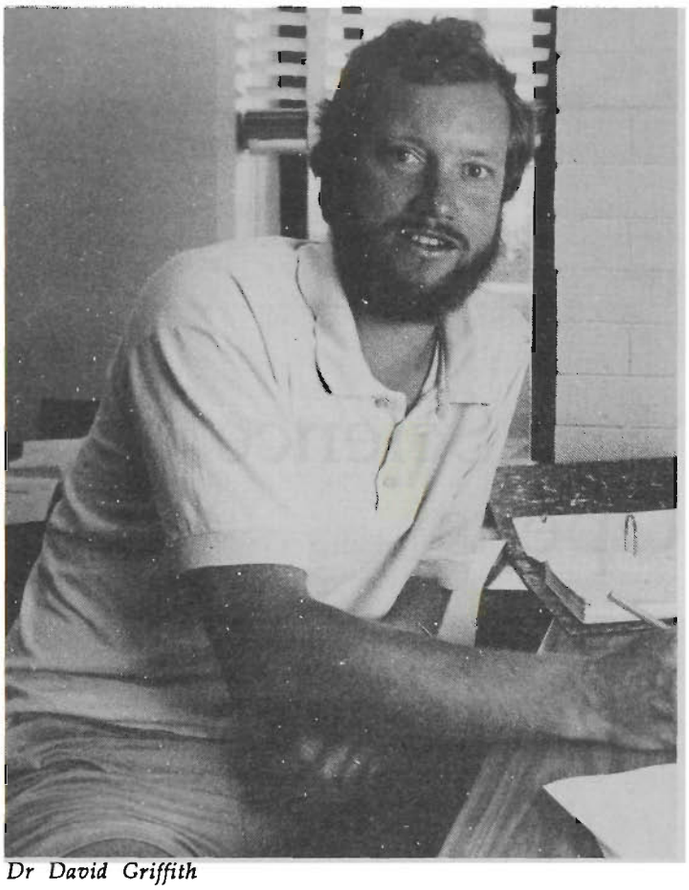
# General Notices



*Dr David Griffith*

## *University Chemist Awarded Senior Fulbright Award*

Dr David Griffith, of the Department of Chemistry, has been awarded one of only eight Senior Australian Fulbright Awards for 1989/90. The award is in recognition of his pioneering studies in the development of new matrix isolation infra-red techniques for the detection and quantitative analysis of trace gases in the atmosphere. His research has attracted widespread attention because of its relevance to the Greenhouse Effect and related atmospheric chemistry problems.

The Fulbright Award provides travel assistance for Dr Griffith during his Study Leave, which began in July this year. Dr Griffith is spending six months at the national Center for Atmospheric Research at Boulder, Colorado, USA, during which time he is carrying out a collaborative research program into the atmospheric chemistry of biomass burning. The studies will involve the chemical analysis of plumes from prescribed burns carried out by the US Forest Service, using a portable infra-red spectrophotometer. Analysis of the infra-red spectra will allow measurements of gases such as carbon dioxide, carbon monoxide, methane, and the oxides of nitrogen, all of which play important roles in atmospheric chemistry, and in particular the Greenhouse Effect.

These studies should be important in the development of infra-red spectroscopy as a tool for the remote sensing of the chemistry of combustion processes. It is Dr Griffith's longer term aim to make similar measurements of Australian bushfires in collaboration with the CSIRO's National Bushfire Research Unit.

### *1989 Conference*

The Gender and Education Unit will hold a conference entitled Women and The Future: Education, Employment and Training on August 18 and 19. The conference will be held at The University of Wollongong.

The Gender and Education Unit was established in March 1988 to provide a more structured focus for research and teaching in the area of gender studies within the School of Learning Studies.

The unit organised conferences in June and August 1988 and has published papers from these with the help of a Challenge Grant.

A publishing fund has been established with the proceeds of sales from the 1988 publication and it is hoped to produce a set of papers from the 1989 conference as well.

This conference focuses on the issue of women and girls in non-traditional areas of education, training and employment. Girls remain a key disadvantaged group in Australian education and it is clear that we need to continue to develop and refine the measures that can be used to increase access and participation of girls in formal school and appropriate post-school training.

Friday's program will revolve around state and regional policy issues; workshops will be held on the Saturday. For further information contact Dr Noeline J. Kyle, Gender and Education Unit, ext 3664.

### *Minister Sees Results of Initiative in Illawarra*

Federal Minister for Education Services, Peter Duncan, MP, visited the Illawarra on July 26 to examine initiatives by the Office of Labour Market Adjustment, which aims to provide extra jobs and training in the region.

Mr Duncan's visit began at the Illawarra Technology Centre where he presented a cheque for $5,000 to CWALMS – the Centre for Work and Labour Market Studies. The Centre and the Chamber of Manufacturers have been contracted by the office of Labour Market Adjustment which will provide $16,250 for the project, with the University of Wollongong contributing a further $10,000, to undertake an Illawarra Regional Skills Audit to establish which skills there are in the local labour market.

Mr Duncan said: 'The skills audit will provide a precise picture of the unemployment situation in the Illawarra and will be used to plan education and training for maximum effect in the future'.

Mr Duncan also visited the Adult Migrant Education Service, where he presented certificates to participants in a Job Club and met people undertaking preparatory and vocational training.

He said that the Federal government is conscious that structural adjustment tends to disadvantage certain groups or individuals, such as people with English language difficulties. Many of the steel workers who have been retrenched come from southern Europe, so the Office of Labour Market Adjustment has targeted this group for special assistance to help them re-enter the workforce.

The Office of Labour Market Adjustment Package has been operating in the Illawarrra for four months now and already the benefits of its activities can be seen. At the end of June it had placed more than 50 people in employment.

'The Illawarra package is the first developed by the Office', Mr Duncan said, 'and is therefore a pilot scheme. Early results are encouraging and justify the government's decision to give special assistance to the area'.

# New Science Centre

*from page 1*

*With Mr Barry Jones at the opening are: left, the University Chancellor, Mr Justice Hope, AC CMG; to the right of Mr Jones, Mr Glen Moore, of the Physics Department, the driving force behind the venture; on the extreme right is the Vice-Chancellor, Professor Ken McKinnon*

and domestic applications. It is hoped that this centre will become one in which visitors see the *relevance* of Science.

This project is an outstanding example of the benefits which can be gained for the community, the University and industry through a high level of co-operation.

The Centre is seeking interaction with industry to develop more fully the next stage – which will illustrate science in industry.

**The Building**

The building housing the Science Centre was originally a kitchen and dining room for the migrant hostel; later it was used as a migrant education centre. Many people in Wollongong are thus familiar with it, but will be amazed by the transformation inside, since only the shell remains, the remainder having been completely rebuilt in the past six months.

The Centre now consists of:

**The Shop** which will sell science-related gadgets, gifts, literature and many items not obtainable elsewhere.

**Seeing the Light** – A series of small rooms which illustrate the way we see the world. No other science centre in Australia has an optics area as concentrated as this.

**Exhibits** – Landsat, Aerial Photography, Plasma Ball, Jacobs Ladder, Colour Mixing, Two-way Mirrors, Symmetry, Unusual Mirrors, Liquid Crystal Seats, Stroboscope, Fluorescence, Shadow Wall (phosphorescence), Fluorescent Minerals, Glass-bead Rainbow, Fibre-optic Graffiti, Lasers, Holography, Magic Wand (persistence of vision), Illusions, NASA Images (videodisc database), Images from Space (plates from the AATT and UKSTU), The Sky Tonight.

Nearly every exhibit has been sponsored. The panels which comprise the walls in this area were a major donation by the Leisure Development Centre of Japan and were originally in the Japan Technoplaza at Expo (as was the carpet). Other major contributors to this area were President Computers and Computer Services (Landsat computer equipment), US Information Agency and Anglo-Australian Observatory (Astronomy Room), John G. Silver (Holography), Masters Cleaning Service (Shadow Room), Gordon Macdonalds (Electrical), Spectra Physics (Lasers), Crown Corning (Plasma Ball), Roo International (Fibre Optics).

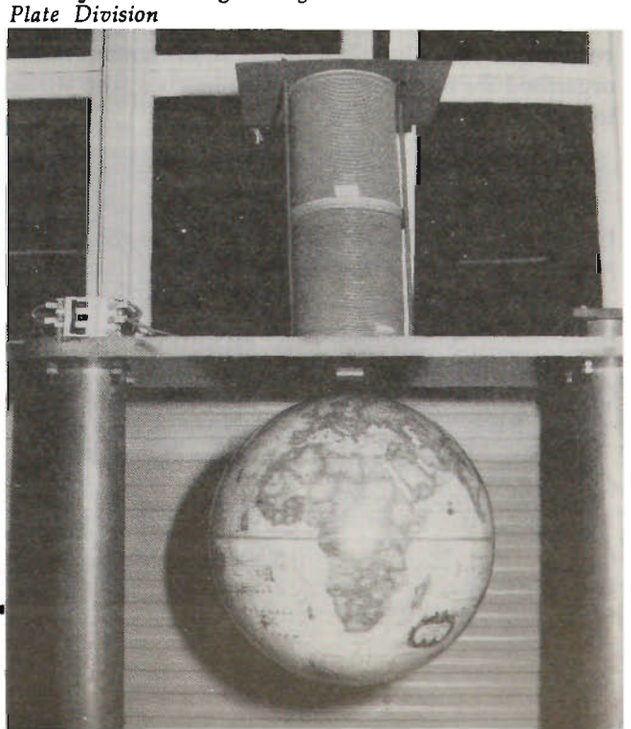
**Main Hall** – 300 square metres of exhibits. The ceiling was a major donation by BHP Coated Products – a spectacular use of Colourbond material in an indoor environment.

The hall is dominated by the giant HOTOL model, a symbol of the possible future involvement by the public in spaceflight, providing London to Sydney travel in 45 minutes. This is accompanied by a miniature wind tunnel which illustrates the fundamentals of flight. Other exhibits involve magnetic levitation, where a large globe of the earth floats on a magnetic field (built by Electrical Engineering trainees at BHP), the application being the use of such technology in high-speed transportation. In the centre of the room stands the Foucault pendulum, of enormous importance as it marks the first proof that the earth turns in space. This and many other large metal exhibits, such as the Harmonograph and the Momentum Table, were built in a local industry, Allied Construction by Mr Cecil Bolton.

In this room, too, visitors may test their sense of smell, their hearing, their reaction-time and balance. They can also observe the different materials which are so important in the industry of the region.

Many of the exhibits in this room were donated by Questacon in Canberra

*Floating earth – a demonstration of magnetic levitation. Built by electrical engineering trainees at BHP Slab and Plate Division*



# *Universities: Passport to the Future*

- Australians see a university degree as a passport to a good career and university research as a source of hope for the future.
- The nation's universities are respected, if a little remote.
- They are seen as value for money, and their students have a good image as hard-working and brighter than average.
- While career preparation and teaching are regarded as the prime tasks of universities, the popularisation of research is having a spin-off as Australians recognise the potential for research to help the economy, raise living standards and improve the quality of life.
- To most Australians, research means work in medical, scientific and high-tech areas; and there is limited understanding of the value of pure or basic research.

These are the key findings from qualitative research commissioned by the Australian Vice-Chancellors' Committee into what Australians think of the nation's universities.

Conducted by ANOP Research Services in April and May this year, the research found that Australians believe universities offer value for money, although there is no huge groundswell for increased public funding. Equally, while the community feels universities should demonstrate they are not wasting taxpayers' money, it also believes they should retain their independence.

The support for independence emerges, too, in attitudes to industry involvement: Australians want more consultation between universities and industry to ensure that universities keep abreast of trends – but not to the extent that industry directs the institutions.

The respect for universities is based on three key factors:

- A university education is the 'key to the door' for careers;
- universities are seen as highly selective and maintaining high standards;
- universities are regarded as places of higher learning and knowledge.

The chairman of the AVCC's Standing Committee on Public Relations, Professor Ken McKinnon, said the research was the first of its kind carried out by the AVCC. He said: 'While this qualitative research was exploratory, it offers an interesting insight into what Australians think about their universities. The research suggests that while universities have a favourable image and are respected, they are also seen as less accessible to lower socio-economic groups. The main concern about universities, especially from those without much contact, is that they are not practical enough'.

The research found, for example, that the community felt students' capacity to apply their university education in the workforce would be improved if they took a break between school and university or undertook work experience as part of their courses.

The research also indicated that:

- There is little community support for the public funding of private universities.
- There is little understanding of postgraduate studies and little recognition of the need to encourage more people to undertake postgraduate work.
- Most people believe that students should contribute to the cost of their education, and overall, the community is more in favour of, than against, the Higher Education Contribution Scheme (the graduate tax).
- Entry to university is perceived to be difficult and there is some concern about the fairness of the selection system.

Researchers were told:

*On high standards:* 'They (universities) expect very high standards; it's the brainy ones who go'.

*On university teaching:* 'Teaching is the most important function of a university – what else are they there for but to teach'.

*On research:* 'Research is for the ideas of the future, which could help us all'.

'The country should be prepared to give research lots of support because, after all, it can only advance Australia in the long term'.

*On industry links:* 'Industry should provide more money for scholarships and research. But the role of universities is to provide knowledge as opposed to job training. So industry should not be involved in any other way'.

'It should be a case of more pay, but not more say'.

*On funding:* 'I don't mind my taxes going towards universities. They're a necessity. We'd all like our children to go to university in future. I do think, though, they probably get quite a lot of money now'.

*On private universities:* 'It's just another way of Bond making money'.

### *Farewell Dinner – Professor Peter Rousch*

After approximately nine and a half years on campus, Professor Peter D. Rousch, Deputy Vice-Chancellor (Services and Development), and Director of the Wollongong Institute of Education before amalgamation, retired on Friday July 7. A dinner in his honour has been organised for those friends and colleagues who would like to have an opportunity to say farewell.

Date: Friday August 18

Time: 7 pm for 7.30 pm

Venue: Common Room/Union Hall – to be advised – Union Building, The University of Wollongong, Northfields Avenue, Gwynneville.

Cost: $27 per head, covers pre-dinner savouries and three-course meal with orange juice and carafe wine throughout the meal; and dinner music by the Gleniffer Quartet.

Full bar service will be available.

Tickets: Available from Lee-Anne Owen, Vice-Chancellor's Unit.

Donations for a present may also be left with Lee-Anne.

### *Australian Institute of Management – For your diary*

Wednesday September 20 – breakfast meeting to be held at Cleo's. Guest speaker will be Mr Paul Patterson, Senior Lecturer in Marketing, The University of Wollongong, who will address the meeting on *Marketing of Professional Services: Why Is It Different?* Cost: $10/head.

If you, your friends or business colleagues are interested, please contact our Assistant Secretary, Mrs Jenny Hamilton, between 9.45 am and 2.45 pm, Monday to Thursday, (042) 27 0075 for a reservation before August 16.

# *The Halls are looking for a few good men and women*

Several years ago the US Marines initiated a recruiting campaign with the slogan: *The Marines are looking for a few good men.* The Halls of Residence (International House and Weerona) would like to co-opt and modify the slogan for their own recruitment campaign: *The Halls are looking for a few good men and women house tutors.*

One tutor who could identify with both the sentiments and the tone of this advertisement is John Best, house tutor at International House. John is a PhD candidate in Maths as well as a reserve officer in the army, and he manages to meet his responsibilities to the army, the House and his degree program. He introduced himself to new residents of the House by means of a 'mock bomb explosion/demonstration' which made for the most memorable introduction of the entire O-week program. John says he appreciates the community aspects of the lifestyle and enjoys inciting the natives when he wears his Queensland colours while watching the Qld–NSW State of Origin match!

To date, the Halls have been very successful in their recruitment campaign. Some tutors remain only one year; most reapply for the duration of their academic program. Daniel Bock, PhD candidate in Microbiology, is in his second year as a tutor at International House. Daniel has helped chemistry and biology students in the House, and also co-ordinates the very popular International House Tours program. As an overseas student, Daniel likes to explore Australia, and he has turned his own trips to Jamberoo, Wombeyan Caves, Expo, horse riding and so on into an opportunity for other House residents to enjoy these places as well. Daniel has found that being a House tutor is an attractive financial arrangement, one that has allowed him to do things that would otherwise be beyond his means, like scuba diving on the Great Barrier Reef.

House tutors are graduate students, masters and doctoral level, male and female students of The University of Wollongong, who assist in the management of the Halls. They have a dual administrative and academic role. They support students academically by giving tutorials or more informal academic assistance and they are also responsible for the after-hours supervision of the Houses on a roster basis. There is a formal commitment to four hours a week of structured activities (tutorial, supervision of social activities etc), and approximately one evening and one weekend a month 'on duty or on call'. There is an expectation that tutors will also mix freely with residents, providing a moderating influence within the House and serving as role models.

Tutors pay $15 to $25 a week towards the cost of their room and board in the Halls. All are provided with a single room (some with ensuites) serviced weekly, 19 meals a week and a telephone. Cost of a regular student room (no ensuite or phone) is $95 per week, so this represents an effective remuneration package of $70 or more a week. There are currently vacancies for male and female tutors at both International House and Weerona. Graduate students interested in the possibility of being a house tutor should call the Halls on ext 3784 or 29 9711 and ask for Gary Graham, Office Manager.

### *Australia-Brazil Rotary Group Study Exchange – J.F. Chicharo*

Mr Joe Chicharo, a lecturer within the Department of Electrical and Computer Engineering, has returned from Brazil where he participated in a Rotary International Group Study Exchange Program.

The objectives of these programs are to advance international understanding, goodwill and peace through a world fellowship of business and professional people. The programs are organised in an interesting way.

A team, comprising five outstanding professionals (between the ages of 25–35), selected from nominations put forward by the various Rotary Clubs within the particular district, is led by a Rotarian to visit another Rotary District. In Joe's case Brazil (District 975) and Australia (District 451) were co-participants. The team is hosted by the Rotary Clubs of the reciprocal district for a period of four to six weeks, during which time team members travel within the visited district, living with Rotarian host families and following a carefully designed program of study of the social, educational, economic, cultural and political life. In addition, team members are given time to study their own vocational pursuits as practised in the host district.

The education system was of particular interest to Joe. He found that a significant proportion of Brazil's population is illiterate. Accurate figures were difficult to obtain but it is believed to be somewhere between 20 and 30 per cent. The public schools are inadequate and teachers very poorly paid. There were many private schools with good facilities and high standards but they were accessible only to the middle classes and above.

There are few government (public) universities in comparison to the private universities. There are no student fees in the public universities and competition for admission was fierce with approximately 100 applicants for every position. The public universities have the highest standards and most of these who gain entry are from the private schools.

As far as the private universities are concerned there are widely varying standards. There appeared to be no unified national body maintaining standards. Most of the research work is carried out at the public universities. Academics are not well paid, but the majority have income from other sources. The university students seemed to be very hard working.

*Members of the Australian Team at The Rotary Club of Galia, Sao Paulo, in May 1989: (from left to right: Greg Smith, Manager, Paper House, Sydney; Aldo Nicotra, Senior Associate Lawyer, W.J. Walford and Associates, Sydney; Joe Chicharo; Craig Setter, Senior Surveyor, BHP Engineering, Wollongong; Don McLean (Leader) Qantas Flight Captain, Sydney; and Paul Willma, Managing Director, Techniatrics Pty Ltd, Sydney.*

# 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 Research and Postgraduate Studies.*

### *NASA Satellite Communications Application Research Program*

National Aeronautics and Space Administration solicits proposals for applied research in advanced space communications.

Applications close with the University on August 11.

### *Joint Proposals in Grant Research*

Expressions of intent for joint applications involving Department of Primary Industry Grain Research Council (Oilseeds, Barley, Wheat and Grain Legumes) are invited from interested persons.

Applications close with the University on August 17.

### *Applied Sports Research Program*

The Australian Sports Commission invites applications for funding under the Sports Research Program. The aims of the Commission are to increase the co-ordination and effectiveness of sports development policies and programs in Australia, and by doing so improve athletic performance at all levels.

Applications close with the University on September 15.

### *CSFP, AEAP and Greek Visiting Fellowshops – 1989/90*

Applications are invited from Australian Educational Institutions seeking to nominate eminent scholars and other distinguished people from overseas to visit Australia in 1989/90. A small number of Visiting Fellowships will be available under the Commonwealth Scholarship and Fellowship Plan (CSFP) for experts from Commonwealth Countries, under the Australian-European Awards Program (AEAP) for experts from European Countries, and under the Australian-Greek Awards Program for experts from Greece.

Applications close with the University on August 26.

### *Leo and Jenny Leukaemia and Cancer Foundation*

Applications are invited for grants in the field of research and clinical investigations into malignant disease.

Applications close with the University on September 8.

### *Previously noted in Campus News*

| | *Internal Closing Date* |
|---|---|
| Matsumae Fellowship | August 17 |
| NY&MRC Program Grants | August 17 |
| NASA Upper Atmosphere Analysis | August 17 |
| AINSE Fellowships | August 17 |
| National Multiple Sclerosis Scholarships | August 17 |
| Cancer Council Patient Care Grants | August 17 |
| Fenner Conferences | August 17 |
| National Multiple Sclerosis Scholarships | August 17 |
| Australian Retinitis Pigmentosa Grants | August 18 |
| Harkness Fellowships | August 31 |
| Nuffield Fellowships | September 1 |
| AFUW (Qld) Fellowships | September 16 |
| Telecom Education Fellowships | September 16 |
| Australia-Japan Foundation Visits | September 17 |
| Bilateral Science and Technology Programs | September 17 |
| Japanese Government Research Awards | September 17 |
| Japan Society Exchange Program | September 19 |
| ATERB P/G Scholarships | October 19 |
| Academy of Science China Exchange Program | November 17 |
| Health and Community Services Research Grants | Any time |

## Scholarships, Fellowships and Prizes

### *Sir Robert Menzies Scholarships in Law and Medicine*

The Sir Robert Menzies Memorial Trust in London offers to Australian postgraduate students scholarships in Law and Medicine, tenable at Universities in the United Kingdom in the academic year which starts in October, 1990.

Applications close with the University on August 31.

# *Visiting Fellow in Philosophy*

Mr Anthony Ellis has accepted a Visiting Fellowship at The University of Wollongong. He will be attached to the Department of Philosophy from September 5 until November 21, 1989.

Mr Ellis is a Senior Lecturer in the Department of Moral Philosophy at the University of St Andrews, Scotland, and a Fellow of St Andrews University's Centre for Philosophy and Public Affairs. He recently held a visiting position at the Commonwealth University of Virginia, USA. Mr Ellis is the editor of the journal *Philosophical Books*, and a member of the editorial board of *Philosophical Quarterly*.

During his stay in Wollongong, Mr Ellis will be working on central questions in moral philosophy that connect with the current research interests of several members of the Philosophy Department, in particular Suzanne Uniacke, Robert Dunn, Susan Dodds and David Braddon-Mitchell.

### *Illawarra Committee for Overseas Students*

The annual general meeting will be held in the Union Board Room on Monday August 21 at 6.30 pm; supper will be at 7.30 pm.

Written nominations for executive office are due on or before Monday August 14.

If you want to attend the meeting or nominate an office bearer, contact Wendy Jabri at the ICOS office in Student Admissions on Tuesday, Thursday or Friday from 9 am to 2 pm. Telephone 27 0216 or ext 3216.

## Concerts, Exhibitions and Entertainment

### *The Art of Lunch*

**August 10**

Final year writing and directing student Campion Decent presents *A Very Wasp of Flowers.*

**August 17**

Bag Project: Dutch sculptor and performance artist Jose Aerts is Artist in Residence at The University of Wollongong and presents the first of two performances.

### *School of Creative Arts in August*

Friday 18

SCAW Ensemble combine with The University Singers to present a concert of Australian Chamber and Choral Music of the Twentieth Century. Music Centre, School of Creative Arts. 8 pm.

Monday 21

Career Choices in The Arts. A series of lectures given by guest speakers in various art fields and geared towards an alternative look at art careers. Guest speaker – Brigitte McCarthur, Australia Council, Professional Development of the Artist. 12.30 – 1.30 pm.

Tuesday 22

Arts to Dinner – University Bistro. Musica Troppo and other entertainment. Dinner from 5.30 pm. Entertainment 8 pm.

### *The Tempest*

A Musical Adaptation of Shakespeare's Play by
Students of the School of Creative Arts
Directed by Peter Shepherd
Movement Design by Lisa Scott-Murphy

NEW UNIVERSITY THEATRE

Wednesday August 23 at 8 pm
Thursday August 24 and Saturday August 26 - 8 pm
Tickets: $10 and $6 concession

School performances (to be announced) - $4

Gala performance Friday August 25 (see below)

University Open Day
Sunday August 27 – 11 am; 3.15 pm – $4

### *Gala Evening*

FRIDAY AUGUST 25

The evening will include

6.30 pm – Preview of Student Work in the Long Gallery
with light refreshments and musical items
7 pm – Exhibition Official Opening
7.45 pm – Opening of the new Theatre by the Vice-Chancellor, Professor Ken McKinnon
8 pm – Performance of *The Tempest* in the New Theatre
10 pm – Sit-down supper with selected table wines at the University Bistro

Tickets $50 each

Phone 27 0985 for bookings and information

**OPEN DAY**
**SUNDAY, AUGUST 27**
**10.00 AM — 5.00 PM**
***'Focus on the Environment'***

**A DAY FOR THE WHOLE COMMUNITY**

- **FORUMS FOR INTENDING STUDENTS**
  Accommodation, prerequisites, applications, courses, adjusting to tertiary studies, careers options.
- **RESEARCH DISPLAYS**
- **FUN ACTIVITIES FOR THE CHILDREN**
- **PERFORMANCES OF 'THE TEMPEST'**
  A new music theatre piece 11 am 3.30 pm
- **SPECIAL 1989 FEATURE: 'FOCUS ON THE ENVIRONMENT'**
  - Forum on South East NSW forests with a guest speaker provided by the Timber Industry Advisory Council – 2.30 pm (Chaired by Professor Lauchlan Chipman)
  - Lectures on environmental ethics, greenhouse effect , nuclear winter.
  - Displays of environmentally orientated research.
  - Learn about your environment at the interactive Science Centre.

***For further information and program of events phone (042) 27 0110.***

THE UNIVERSITY OF WOLLONGONG

### *Diary – School of Creative Arts*

Long Gallery, The University of Wollongong, Northfields Avenue.

Open to public Monday to Friday 10–12.30 and 1.30–4 pm; Sundays 1.30–4 pm.

Sales area: Small paintings/prints/ceramics/art cards/frames/SCARP magazine.

*To August 13*

Hi-Tech Art – TAFE Staff Exhibition.

*Friday August 18 to September 10*

Official Opening Friday August 25 at 7 pm by Laurens Tan, to be followed by Gala Performance of 'The Tempest' at 8 pm.

Past and Present – Graduates and 1st and 2nd Year Creative Arts Students.

### *Return of Marilyn Meier*

The City of Wollongong Symphony Orchestra will present its third 1989 subscription concert at the IMB Theatre, Illawarra Performing Arts Centre, on Saturday September 9. The concert features guest pianist Marilyn Meier, one of Australia's foremost young performing artists, who is quickly establishing an international reputation. Ms Meier has already appeared this year in Wollongong in recital programs to great acclaim. She will play Beethoven's Choral Fantasy, Op.80, in which she and the orchestra will be joined by the University Singers.

Another Beethoven masterpiece, the 'Eroica' Symphony, will also be heard on the program, which is completed with the first performance of 'Lamentations', Op.20, John Wayne Dixon's new work for string orchestra.

Tickets are available from the Illawarra Performing Arts Centre from August 19: Adults $15, Concession $11, Family (up to four people) $36. All inquiries should be directed to the booking office, telephone (042) 26 3366.

## Seminars

### *Department of Economics*

Date and time: Wednesday August 9, 12.30 pm.

Speaker: Peter Baldwin, Member of House of Representatives for Sydney, Member of the ALP Left, Chairman of Caucus Industry Committee.

Topic: *The government responses to the current economic circumstances.*

Venue: Room 19.2085.

### *School of Learning Studies*

For your diary: seminars will be held on August 9, August 23, September 13, September 27, October 4, October 18, October 25. Seminars on Wednesdays at 12.30 pm in Room 21.104. Bring your own lunch, coffee and tea will be provided. Inquiries to Bill Winser, School of Learning Studies, ext 3963.

Details for the first two are:

Date: August 9.

Speaker: Dr Ted Booth.

Topic: *A New Form of Partnership with the Schools: A Case Study of BEd 4th Year.*

### *Department of Mathematics*

Date and time: Thursday August 10, 1.30 pm.

Speaker: Dr Des Hill, Department of Mathematics, The University of Wollongong.

Title: *Similarity solutions of the nonlinear diffusion equation.*

Venue: Room 15.204 (Austin Keane Building).

### *Department of Accountancy*

Seminars are held in the Social Sciences Building, Room 2001, in the Department of Accountancy at 11 am.

Anyone interested is cordially welcome. Inquiries please contact Hai Yap Teoh, Seminar Convenor, telephone 27 0625.

Date: Friday August 11.

Topic: *Use of Self-Ratings in Performance Evaluation: A Replication and Extension.*

Speaker: Associate Professor Hai Yap Teoh, Department of Accountancy.

### *Faculty of Education Distinguished Visitor Seminar Program*

Date: Friday August 11.

Speaker: Professor Geraldine Clifford, Director, Education Abroad Program, University of California.

Topics:

10 am – 11 am: *Gender and the Teaching Professions in the US.*

Noon – 1.30 pm: *Women and Faculties of Education.*

Venue: 21:104.

Bring your lunch – tea, coffee and juice will be provided. Contact Dr N.J. Kyle, ext 3664.

### *New Literatures Research Centre*

Seminars will occur on Fridays at 2.30 pm in the English Depatment (Building 19, Rm. 1095) of The University of Wollongong.

For further information, please contact Paul Sharrad, (042) 27 0705, or Shane Donnelly, (02) 525 0186.

Date: August 18.

Speaker: Edward Baugh. (English, University of the West Indies, Barbados).

Topic: *The Interplay of Oral and Scribal in Caribbean Literature.*

### *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 Convenor so that appropriate table bookings can be made. The seminar begins at 8 pm in the Biology Meeting Room, building 35.

Convener: Dr E.J. Steele (042) 27 0434

Date: Wednesday August 23

Speaker: Dr Len Storlien, Garvan Institute of Medical Research, St Vincents Hospital, Paddington.

Topic: *Dietary fats and disease.*

### *Department of Biology*

Session II seminars to be held in Lecture Theatre G.19, Building 35, 12.30 pm.

Date: August 15.

Speaker: Dr Ted Steele.

Topic: *Somatic hypermutation in antibody variable region genes.*

Date: August 22.

Speaker: Shan Holmes.

Topic: *Human cytomegalovirus glycoprotein complex, gB in infected cells.*

### *Department of Chemistry*

Tentative seminar program.

Seminars are held on Thursdays at 11.30 am in Room 18.206. Inquiries to John Carver, ext 3340.

Date: August 10.

Speaker: Dr Chris Fookes, CSIRO Division of Food Technology.

Topic: *Chemistry and technology of fuel.*

Date: August 17.

Speaker: Dr Bob Steele, CSIRO Division of Food Processing, Food Research Laboratory.

Topic: *Sulphur dioxide – a look at the sordid lifestyle of a wanted undesirable.*

## Advertisements

**FOR RENT**
Self-contained one-bedroom fully furnished garden flat at Mt Pleasant. Three km from university. Suit quiet-living person, phone available. Rent $75 a week, includes electricity, gas and carport; ring after 6 pm 84 3705.

**TO LET**
Figtree area. Brand new three-bedroom house. Available immediately. Phone ext 3460 or 71 4603 ah.

***Shirley Valentine***

You are invited to have lunch with
*Shirley Valentine*
on Wednesday August 23 or 30 at 10.30 am,
the Bridge Theatre, Coniston.
$12 for play and lunch.
Bookings on 29 6144