


THE UNIVERSITY OF WOLLONGONG



CAMPUS NEWS

Distributed each Tuesday

Deadline for copy noon Monday
of previous week

Editor: George Wilson, Tel. (042) 270391

22 September 1987

TOWARDS A PRODUCTIVE CULTURE

BHP/University initiative

The University of Wollongong and BHP Coated Products Division have joined forces in a scheme which is not only good for both organisations, but also meets two of the objectives of the Federal Government. Research with direct relevance to industry will be undertaken by the University, and an attractive opportunity has been created for quality graduates to receive relevant advanced training before entering a technologically advanced industrial setting.

The creation of strong links between industry, the employers, universities, the educators and trainers, is in line with Commonwealth government policy. Senator John Button has repeatedly emphasised the need for new products and a skilled workforce to improve the international competitiveness of Australia's manufacturing industry.

In the new venture, BHP will donate \$132,000 over three years, and the University will use the funds, supplemented by its own reserves, to offer unusually attractive PhD scholarships for research in Material Science, Mathematics, Electrical and Mechanical Engineering. The scholarships will offer higher than usual stipends and research support so that graduates of the highest calibre will be attracted. The normal level of stipend is too low to allow many students to continue with advanced study; many top graduates can only continue with advanced training if the stipend allows reasonable living conditions. In addition to the increased stipend, these scholarship holders will have the opportunity to spend a significant amount of time in the BHP Research and Technology Centre. They will thus become familiar with both academic and industrial research environments.

The role of the University of Wollongong in developing a skilled workforce was recently outlined by the Vice-Chancellor, Professor Ken McKinnon. The University has a strong commitment to the training of scientists and technologists well prepared to respond to the challenges facing the Australian economy, and the provision of research and development facilities. He commented, 'This initiative cements a growing association between the University of Wollongong and industry which will provide significant opportunities for people of outstanding ability. It will stimulate our mutual encouragement of the pursuit of excellence'.

The first instalment was presented to Professor McKinnon by Mr John Lysaght, General Manager Coated Products Division, on Friday September 11.

For further information contact Gillian Curtis, Media Liaison, (042-270926).



First instalment of the BHP donation is handed over by Mr John Lysaght, General Manager of the BHP Coated Products Division, to the Vice-Chancellor Professor Ken McKinnon

ITALIAN VISITOR

Professor Angelo Chiuchiu of the Università Italiana per Stranieri of Perugia was a Visiting Fellow in the Department of Languages during the month of August. One of Italy's leading experts in "glottodidattica"—methods for second language learning and teaching—Professor Chiuchiu was in Wollongong to work with Dr Vincent J. Cincotta, co-ordinator for Italian Studies, on a adaption of the Perugia program *In Italiano* for use in an Australian context. The materials are due to be published and available by 1988.

While in Australia, Professor Chiuchiu also held a series of lectures and seminars in Wollongong, Sydney and Adelaide on the teaching of Italian as a foreign language.

General Notices



CHURCHILL UNDER FIRE

David Irving, distinguished British historian, will be visiting the Co-op Bookshop at lunchtime on Monday September 28. He will be signing copies of his latest book *Churchill's War*.

Mr Irving is also author of *Hitler's War*, *The War Path*, *The Destruction of Dresden*, a biography of Rommel and an account of the uprising in Hungary in 1956.

Mr Irving is not only 'distinguished'. He is also highly controversial: his Dresden book raised questions which, although they cast a shadow over British policy of the time, are now accepted by most historians of the period. His book on Churchill is so controversial, and raises so many questions about one of the greatest figures of modern history, that it has been refused by all the major publishers who have seen it, including Mr Irving's present publishing house, Macmillan.

As Mr Irving is a best-selling author, the decision not to publish seems not to have been taken for commercial reasons. In the light of the refusals from British publishers, he is now publishing with the Australian firm, Veritas, which has rights to *Churchill's War*.

As the issues involved are topical from the point of view of our not-too-distant past as well as the legendary respect commanded by Winston Churchill, Mr Irving's visit will undoubtedly generate a great deal of interest.

CHEMISTRY DEPARTMENT WELCOMES FIRST RESEARCH STUDENTS FROM THE PHILIPPINES

Maribel Nonato, an instructor from the University of Santo Tomas, Manila, has joined the Department of Chemistry for four years as a postgraduate student. Maribel is sponsored through a fellowship from the Australian Development Assistance Bureau. Her research work towards a PhD degree will involve the isolation and structure elucidation of biologically-active plant chemicals such as alkaloids and glycosides from Philippine plant species under the supervision of Drs Mary Garson and Roger Truscott.

Another visitor to the Chemistry Department is Meilliko Dai from Ateneo de Manila University. Meilliko is in the

third year of a PhD (sponsored by IDP) in marine natural products chemistry at James Cook University of North Queensland and has come to Wollongong for two weeks to work with Dr Garson on the biosynthesis of chemicals isolated from soft corals.

POSTGRADUATE AND HONOUR STUDENTS

A meeting has been organised for all postgraduate and honour students with the following objectives —

- A. To establish a university post-graduate association
- B. To discuss directions for the association,
- C. To establish a working party to deal with specific issues raised.

Speakers providing information for postgraduate and honour students are:

- 1. a representative from CAPA, Council of Australian Postgraduate Associations.
- 2. Dr John Panter, Head of Centre for Teaching Development.
- 3. Mrs G. McLellan, English postgraduate; Mr Ian McNical, STS postgraduate,
- 4. a representative from SUPRA, Sydney University Post-graduate Representative Association.
- 5. Mr Giles Pickford, Friends of the University.

The meeting will be held on Monday September 28 at 12.30 pm in the Northern Lounge, Union.

RSVP — Gayle Ford on 3445 by the 24th September.

Maxine Lacey,
University Counsellor

NEW STAFF MEMBER FOR THE MATHEMATICS DEPARTMENT

Dr Brian Jefferies has joined the staff of the University as a Queen Elizabeth II research fellow, a position he had previously held at Macquarie University. In March, 1988 he will take up a lectureship in the Mathematics Department.

His research interests lie in applications of vector integration—one area of such applications as quantum mechanics. In the most widely accepted interpretation of quantum mechanics, a vector representing the state of an experimental system is given, and the effect of an event on that state is measured by an operator acting on the state vector, so it is natural to study those mathematical objects which assign operations on state vectors, or operators, to certain types of experimental events. More complicated disturbances to the state can be built up from simpler ones by forming integrals.

A technique has been outlined by the physicist R.P. Feynman to solve Schrodinger's equation—the equation which in quantum mechanics describes the development in

Dr Mary Garson, right, from the Chemistry Department, discusses results with, from left, Maribel Nonato (PhD student at The University of Wollongong), Denise Manker (visitor from Scripps Institute of Oceanography) and Meilliko Dai (PhD student at the James Cook University)



time of a system interacting with another system. Although Feynman's ideas are difficult to put into a mathematical framework, the technique of solving Schrodinger's equation by producing an operator valued integral of a change of phase with respect to the underlying state is fruitful. The study of the mathematics of these integrals is part of Dr Jefferies' continuing research.

Dr Jefferies is living at Stanwell Park, he is a keen traveller and often combines this with his mathematical research—in December, he will give a paper at a conference to be held in Poona, India, on the occasion of the centenary year of the birth of the famous Indian mathematician, Ramanujan. He will then go to the United States to attend a meeting of the American Mathematical Society in Atlanta, Georgia, before returning to Wollongong.

DEPARTMENT OF LANGUAGES ANNUAL SCHOOLS DAY

On Friday September 4, the Department of Languages hosted some 350 Year 11 and 12 high-school students from the Illawarra and surrounding regions. French, Italian and German students were represented. A full day's activities were presented in conjunction with the Modern Language Teachers Association of the Illawarra. Sessions concentrated on preparation for the upcoming Higher School Certificate examinations.

Dr D.S. Hawley, Acting Head of the Department of Languages, discussed careers open to foreign-language graduates and outlined his Department's course offerings for prospective students. Dr Vicenzotti, Director of the Italian Cultural Institute in Sydney, addressed the Italian students.

More than 30 one-hour sessions offered students a wide range of options. Departmental staff and members of the Illawarra MLTA ensured the smooth running of the day's activities. Some 40 local teachers were present.

THE FENNER CONFERENCES

With the generous support of Professor F.J. Fenner FAA, FRS and Mrs Fenner, The Australian Academy of Science has established a series of conferences on environmental and conservation issues in Australia and its environs. The purpose is to bring together those with relevant scientific, administrative and policy expertise to consider current environmental and conservation problems, thus contributing to the formation of policies that can alleviate some of these problems.

One conference may be supported each year with a grant of up to \$5000. It will be held in Ellerton Becker Building in Canberra at a date agreed upon by the conference organiser and the Academy.

Proposals should include the following information

- 1 a tentative program, with the names of possible participants
- 2 a brief statement concerning the aims, value and timeliness of such a program, including an indication of support from the local scientific community and of the importance of the program for Australia's natural environment.
- 3 a proposed budget

and must be submitted on a form which will be supplied by the Academy Secretariat on request.

Proposals should identify a scientific society or organisation which has agreed to act as joint sponsor and the names of two joint organisers.

The organisers of the approved conference are responsible for the detailed arrangements, and the organisation/society acting as joint sponsor receives and is accountable for the sum allocated for the meeting. The supplementation of this sum from other sources is encouraged.

The Academy now invites organisations and societies to prepare proposals for a meeting in 1988 or 1989. They should reach the Executive Secretary by 30 November 1987. Organisations and societies should give preliminary

1987 OCTOBER GRADUATION CEREMONY

There will be two graduation ceremonies during October in the Union Hall. Details are:

2.30 pm Thursday October 8

All degrees and diplomas in Arts, including Creative Arts and Master of Studies degrees in Arts Departments.
Commerce, including Management, Occupational Health and Safety, School Administration.
Mathematical Sciences, including Computer Science.

Occasional Address to be given by Mr F. Hilmer, Managing Director, McKinsey and Co. Inc. and member of CTEC.

10.30 am Friday October 9

All degrees and diplomas in Education, not including School Administration
Engineering, including Metallurgy and BMath/BEng. Science.

Guest speaker to be confirmed.

Information about graduands:

Academic staff can sometimes be of assistance in the University's public relations activities in relation to Graduation by supplying information which can be used in our own publications or in press releases. If you are aware of details which may be useful (e.g. two members of the same family graduating; graduands who are well known in other fields; or academic details of special interest) please contact Gillian Curtis on extension 3926.

Parking restrictions:

Staff are advised that parking restrictions will apply within the Union car park and the Administration car park on graduation days.

P.G. Wood
Assistant Secretary
Academic Services

notice to the Academy immediately.

Telephone enquiries: (062) 47 5330 Mrs Hilary Back
GPO Box 783, Canberra ACT 2601, Australia.

CHEMISTRY RESEARCH COLLABORATION CONTINUES TO EXPAND

Ms Mary Meaney, a PhD student from Dublin, Ireland, has arrived in the Chemistry Department to work in Dr Gordon Wallace's research group for four months on a collaborative project involving Loctite, an international company involved with development of glues and adhesives, and the National Institute for Higher Education, Dublin.

Mary will soon be joined in the Chemistry Department laboratories by her Dublin supervisor Dr Malcolm Smyth. Dr Smyth is an internationally acclaimed electroanalytical chemist who has been granted a University visiting fellowship to work in Dr Wallace's research group.

VISIT OF DR STEVEN SHAPIN

The Department of Science and Technology Studies will host a week-long visit, which began yesterday, September 21, by Dr Steven Shapin. Based in the Science Studies Unit at the University of Edinburgh, Dr Shapin is a leading figure in the historical sociology of science. He has played a central part in the emergence of a view of the sociology

continued overleaf

of scientific knowledge known, because of its association with those at the Science Studies Unit, at the Edinburgh School. Dr Shapin and his colleagues have advanced the controversial view that social factors are decisive in the development, acceptance and rejection of scientific knowledge-claims.

Dr Shapin's most recent book, written with Simon Shaffer of Cambridge, is *Leviathan and the air pump* (Princeton University Press), 1985, a study of the dispute between Hobbes and Boyle over the legitimacy and nature of experiment in natural philosophy.

Dr Shapin's visit is part of a tour of Australian campuses arranged by the Australasian Association for the History, Philosophy and Social Studies of Science, and sponsored by the British Council. He will be giving a paper entitled 'Technicians in C17th England' at 1.30 pm tomorrow, Wednesday September 23, in 19.241.

AUSTRALIAN COLLEGE FOR SENIORS SUMMER CATALOGUE RELEASE

Each year the Australian College for Seniors operates low-cost, short-term, residential academic programs for older adults both within Australia and abroad. Since its inception the college has expanded from an initial offering of five courses in 1983 to a projected total of 115 courses during 1988.

During the approaching summer and winter programs Australian participants will be joined by an estimated 1300 American senior adults from the Boston-based Elderhostel organisation, the largest inbound study group to Australia. The growth and activities of the Australian College for Seniors and its connection with Elderhostel were a feature of the cultural tourism conference conducted in August by the Victorian tourist commission which is undertaking an initiative promoting educational tours in its state.

Overseas study programs planned for 1988 include Indonesia and Great Britain.

The College's 1988 summer catalogue is now available. For a free copy for either yourself or somebody you think may be interested contact Barry Russell, Ray Boniface, Liz Owen or Beverley Moate on ext. 3531 or 3484.

SCARP SUBSIDY PROMOTED

At a recent meeting of the Wollongong City Council Ald. Giles Pickford successfully moved that a subsidy for SCARP, the literary magazine, be included for consideration in the 1988 estimates.

He said that Wollongong's own literary magazine was an important sign in the transition of the City from what it was, to what it is going to be.

Ruefully, he said that he had submitted five poems for publication in SCARP none of which had been accepted. However, he added that because of this, he did not have to declare an interest in the magazine and refrain from speaking or voting!



Pat O'Shane with her daughter Lydia (picture courtesy *The Daily Mirror*)

GUEST OF HONOUR – PAT O'SHANE

Graduation Day, Friday October 9, is the date of the Union Annual Dinner, being held in the Union Hall. The dinner will be preceded by drinks in the Common Room at 6.45 pm. Guest of honour at this year's (22nd) Annual Dinner is Ms Pat O'Shane of Sydney. Admission is by ticket (\$15 members, \$20 guests).

Don't be disappointed – book early.

BIOTECHNOLOGY UNDER THE MICROSCOPE

A seminar on the applications and implications of modern biotechnology Saturday October 10, 9 am to 5 pm. Engineering/Science Building 35 Lecture Theatre G19 The University of Wollongong.

Biotechnology is an exciting area of scientific research which has the possibility of radically changing our society.

This seminar is designed to present lectures from research workers in this field and to give an indication of the range and the type of experimentation that is currently being undertaken.

The seminar will also consider the social implications of present research and the possible future development of biotechnology. We hope it will both inform and interest the participants and stimulate discussion within the community.

Our speakers, who are experts in their fields, are:

Professor Helen Garnett
Department of Biology, The University of Wollongong

Professor John Thomson, Professor of Genetics,
Department of Biological Sciences,
The University of Sydney

Dr Greg Tanner, Division of Plant Industry,
CSIRO, Canberra

Dr Graham Woodrow,
Biotech Australia, Roseville

Dr Kevin Ward, Division of Animal Production,
CSIRO, Prospect

Dr Terry Stokes,
Department of Science and Technology Studies,
The University of Wollongong

Organised by the Illawarra Branch of the Australian Federation of University Women in co-operation with Professor Helen Garnett of the Department of Biology, and the Centre for Continuing Professional Education, The University of Wollongong.

More from The Co-ordinator, Centre for Continuing Professional Education, The University of Wollongong, PO Box 1144, Wollongong, NSW, 2500.

Subscription to 'SCARP'

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

Please send me copies of the next issues of
SCARP at \$4 a copy. I enclose a cheque/money order
made out to SCARP for the sum of

Name

Address

..... Postcode

INTRODUCTION TO THE ALEXANDER TECHNIQUE

Weekend Workshop, Saturday—Sunday, September 26 and 27 — 10 am to 4 pm.

Organised by the Centre for Continuing Professional Education, The University of Wollongong.

Fee: \$75. Course participants: 12.

Cheque/money order payable to Uniadvice Alex. Post to: The Co-ordinator, Centre for Continuing Professional Education, The University of Wollongong, PO Box 1144, Wollongong, NSW, 2500, or pay direct to 51 Northfields Avenue, Wollongong. Phone (042) 270484 or 270531.

ESSAY WRITING WEEKEND COURSE

Course designed for Year 11/12 high school students, mature age students, or students entering University or considering doing so is being held by the Centre for Continuing Professional Education on October 10 and 11.

The course will be held at the University of Wollongong, PO Box 1144, Wollongong, NSW, 2500. Telephone: (042) 270484, 270531.

KIDS COMPUTING '87 ON AGAIN

SEPTEMBER '87 BREAK

Computer awareness for kids—two groups over one week:
Morning Group 9 am—12 noon for 6—8 years ONLY
Afternoon Group 1 pm—4 pm for 9—11 years ONLY for four half days Monday September 28, Tuesday 29 Thursday October 1, Friday 2. Wednesday is not scheduled. 6—11 years ONLY. Cost: \$55. The University of Wollongong, Entrance 2, Building 22, Microcomputer Laboratories Northfields Avenue, Wollongong. Phone 26 8885, 9 am—12 noon daily for details.

Changing Face of the Campus

DEVELOPMENT OF CAMPUS EAST (FAIRY MEADOW)

The University recently purchased the former Fairy Meadow Migrant Hostel from the Commonwealth Government which it intends to develop as a second campus. It has been decided that this facility will be known as Campus East.

It is intended that development on the site be fully planned in an endeavour to maximise the benefits that this kind of facility can offer the University. The quality of buildings and facilities together with landscaping will eventually reflect the high standard now evident on the main campus and which is now synonymous with the University.

The campus is bounded by Brandon Park and Squires Way, and adjoins the properties facing both Elliotts Road and Cowper Street and has an area of approximately 12.2 hectares. A number of buildings, which can be classified as follows, are already located on the campus.

1. Permanent Buildings (available for immediate University use):

- 1.1 Residential accommodation to house 91 persons
- 1.2 2 x houses.
- 1.3 Brick building, formerly office building.
- 1.4 Store building.
- 1.5 House on an adjoining property located in Cowper Street.

2. Permanent Buildings (not yet available for University use):

Residential accommodation to house approximately 60 persons. A condition of purchase was that the existing lease over these buildings held by the Illawarra Housing Trust would continue for up to three years from date of purchase.

3. Temporary Buildings

A number of temporary buildings of different sizes and in varying standards of repair.

The property was purchased for \$1.6m, financed by \$1m. from CTEC as a charge against future capital funding for student accommodation and \$600,000 from the University's General Development Fund. A further sum of approximately \$648,000 has been allocated from University funds for refurbishment and additional construction to allow the use of residential accommodation referred to in 1.1 above the beginning of the 1988 academic year.

The work at present being undertaken on the campus entails the following three projects:

- Construction of new Dining Hall/Kitchen facility.
- Refurbishment of residential accommodation (refer item 1.1 above)
- Investigation and evaluation of site services.

1. Construction of New Dining Hall/Kitchen facility

Because the residential units contain only bedrooms, it is necessary to construct a Dining Hall/Kitchen facility. This Dining Hall will seat 100 persons and have a fully equipped kitchen of appropriate size. This new building will be attached to an existing building (former office building referred to in 1.3 above) which will be refurbished to provide a lounge area.

It is expected that construction will be completed by the end of January, 1988.

2. Refurbishment of Residential Accommodation

Residential accommodation consisting of 35 units with a total of 91 bedrooms and 35 bathrooms is being refurbished ready for occupation at the beginning of the 1988 academic year.

This refurbishment project consisting of maintenance and repairs to electrical, plumbing, carpentry, painting, internal tiling, as well as carpeting and the manufacture of furniture has begun.

3. Investigation and Evaluation of Site Services

Various consultants have been commissioned to undertake an investigation and evaluation of site services (power, sewerage and drainage, gas, combined domestic cold water and fire hydrants) for the purpose of establishing their location and capacity including the highlighting of any urgent or major upgrading of works required. A report, incorporating also a preliminary assessment of stormwater management to the site, will be submitted in the near future.

K.E. Turnbull
Manager,
Buildings and Grounds

SALE BY TENDER

The University has the following vehicle available for sale by tender.

Ford Falcon station sedan reg. No. OCI 194.

The University offers no guarantee on this vehicle. Terms of sale are cash or bank cheque. For inspection call 042 270936 Mr G Parson.

Tenders close 11.30 am 2/10/87.

Tenders should be placed in a sealed envelope addressed to: Supply Office, University of Wollongong, PO Box 1144, Wollongong, 2500 and noted "Tender for Motor Vehicle".



Staff Roundup

STAFF TRAINING ACTIVITIES

'TRANS COVER'

Are you fully aware of the changes in third-party transport-accident legislation?

What compensation can you expect under the new Transcover legislation?

Do you need additional insurance coverage?

Mr Peter Kell of the law firm of Kell Heard & McEwen will outline the new legislation today September 22, in Pentagon Lecture Theatre 1 from 12.30 pm to 1.30 pm.

ALL STAFF WELCOME

CHRISTMAS/NEW YEAR HOLIDAYS – 1987/88

The University will be closed from Friday December 25 to Friday, 1 January 1988 inclusive for the observance of the following holidays.

Friday December 25 Christmas Day Public Holiday

Saturday December 26 Boxing Day Public Holiday

Sunday December 27 Normal Weekend Day

Monday December 28 Additional Public Holiday

Tuesday December 29

Wednesday December 30 University Concessional Days

Thursday December 31

Friday 1 January 1988 New Year's Day Public Holiday

The University concessional days mentioned are granted in accordance with agreements between the University and

the General Staff Unions, which provide that the days falling between Christmas Day and New Year's Day which are not gazetted as Public Holidays in the State of NSW are granted as University concessional holidays.

Staff who are required by the University to work on those days granted as university concessional days will be granted the same period off duty at a mutually convenient time within the ensuing two months.

Staff members working under Award 19-day four-week arrangements whose rostered day off would normally have fallen within the close-down period should arrange with their supervisor to take their day off either before December 25 or during the first week in January 1988.

CURRENT VACANCIES

* Graduate Assistant/Administrative Assistant Grade 1, Personnel Services, closing date September 25

* Graduate Assistant/Administrative Assistant Grade 1, Student Services, closing date September 25

* Air Conditioning Mechanic, Maintenance and Services, closing date September 25

* Casual Female Cleaners (as prescribed in the University's Industrial Agreement), closing date September 25

* Secretary (limited term), Electrical and Computer Engineering, closing date September 25

* Technical Officer, Computer Services, closing date September 25

+ Chair in Accountancy, closing date October 1

+ Chair in Legal Studies, closing date October 1

+ Chair in Manufacturing Engineering, closing date October 1

Further details: For those vacancies marked *, Gary Graham ext 3935. For those vacancies marked +, Ross Walker, ext 3934.

STAFF CHANGES

New Starters

Dr K.S. Cheng, Lecturer, Physics

Departures

Dr M.J. Campbell, Lecturer, Science and Technology Studies

Ms J. Powell, Lecturer, Psychology

Dr T Chazy, Research Associate, Chemistry

Mr S Misra, Research Assistant, Metallurgy and Materials Engineering

Mr N. Plavsic, Research Assistant, Computing Science

Mrs Y. McLeod, Clerk, Personnel Services

DEVELOPMENT LEAVE 1988

Applications for Development Leave during 1988 close on October 15 this year.

The Development Leave for General Staff Scheme has been operating for three years now, with a total of ten staff having participated. Development Leave may be taken either in Australia or overseas, and is intended to enable a staff member to complete a program of study and/or visits of mutual benefit to both the staff member and the University. Generally, the period of leave will not exceed three months. A contribution to travel and other costs may be available.

As a limited number of awards are available each year, the scheme is a competitive one. Applicants must be able to demonstrate substantial benefits from the proposed Development Leave program.

Full details of the terms, conditions and requirements of applications for Development Leave are available from Wendy Raikes, ext 3946.

Letter to the Editor

Sir!

Having recently visited EEO Offices I was slightly perturbed to read a sign proclaiming that "Women have to work twice as hard as men to prove they are just as good".

Does this mean, by admission, they are half as good to begin with?

If EEO wants credibility of principle then it should perhaps have room for another sign where men could proclaim "Men only have to work half as hard as women to be twice as good".

If we really are going to be equal then signs from the "Sisters" knocking men in general is not doing much for the cause.

George Orwell: *Animal Farm* – nicely said – (or had a pig say) "All animals are equal, but some are more equal than others". – True equality doesn't come with cheap propaganda but from unbiased action, word and deed – or is that being a little too idealistic?

Leo Sturman

Research Funds

The following sources of research funds are now available to members of academic staff. Further information including application forms may be obtained from Annette Read (ext 3386) or Ian Strahan (ext 3079). Intending applicants are reminded that all research applications must be forwarded through the Office of Research and Postgraduate Studies.

SPORTS MEDICINE AND SCIENCE – FELLOWSHIPS AND POSTGRADUATE SCHOLARSHIPS

The Australian Institute of Sport has invited applications for two Fellowships for six to 12 months research, and two postgraduate scholarships for ten months in the Sports Medicine and Sports Science Centre at the Institute.

Applications close with the University on November 18.

TELECOMMUNICATIONS AND ELECTRONICS RESEARCH

The Australian Telecommunications and Electronic Research Board (ATERB) have invited applications for Postgraduate Scholarships and Project Grants. Nominations for the ATERB Medal and a gift of \$2500 in recognition of outstanding research in the field of Telecommunications and Electronics are also invited.

Applications close with the University on October 19 for Scholarships, and November 16 for the Medal and Grant.

FORESTRY RESEARCH GRANTS

The Australian Academy of Science have invited applications for the Maxwell Ralph Jacobs Fund to support worthy projects in forestry research and to provide graduates with support not readily available from other sources.

Applications close with the University on October 19.

ROBERT S. McNAMARA FELLOWSHIPS

The World Bank has invited applications for a limited number of fellowships to be awarded for a 12-month period for full-time work in the general field of economic development with special emphasis being placed on topics in technology transfer and real exchange rates.

Applications are normally 35 years of age or under and have the equivalent of at least a Master's degree. This Fellowship program is not intended to support work leading to an advanced degree.

Applications close with the University on October 19.

Scholarships and Prizes

COMMONWEALTH POSTGRADUATE SCHOLARSHIPS

Applications are invited for 1988 Postgraduate Course or Research Awards provided by the Commonwealth Government. Course Awards are available for full-time study in approved courses leading to the degree of Master by Coursework. Research Awards are available for full-time research leading to the degree of Master or PhD.

Applications close on September 30 (Course Awards) and October 31 (Research Awards).

Application forms are available from the Student Enquiries Counter, Administration Building.

PREVIOUSLY REPORTED IN CAMPUS NEWS

Name	Internal Closing Date
Australian Academy of Humanities – Travel Grants	September 30
History of Culture in Australia Prize and Award	September 30
Cambridge Benians Fellowship	October 1
Pig Research Council Study and Training Awards	October 16
Pig Research Council - 1988/89 Grants	October 19
Nursing Research Grants	October 19
James N Kirby Foundation	October 19
World Bank Fellowship	October 19
AVCC Visiting Fellowships for Australians	October 19
Forrestry Research Grants	October 19
AINSE Research Grants	October 23
Edinburgh Institute – Humanities Visiting Research Fellowships	November 16
Australian Special Rural Research Fund	November 30
Wellcome Australia - Medal and Award	November 30
Field Sciences Research Facility	November 30
Education Fellowships	December 14
Field Sciences Research Facility	March 31
Clive and Vera Ramaciotti - Travel Grants	Any time
Earthwatch	Any time
Criminology Research	Any time

JAMIESON AWARDS FOR OUTSTANDING WOMEN GRADUATES

The Australian Federation of University Women, NSW, offers annual awards of up to \$100 each to outstanding women students in any of the universities within New South Wales, completing final or honours year.

Application forms may be obtained from The Australian Federation of University Women - NSW, Suite 919, Challis House, Martin Plaza, Sydney 2000.

Applications close on December 11.

UNDERGRADUATE VACATION SCHOLARSHIPS

The Australian Cancer Society has invited applications for undergraduates vacation scholarships tenable for six to eight weeks in any appropriate research organisation. The research project in which the applicant proposes to participate must be related to cancer research, treatment or education, or social consequences of the disease.

Applicants should usually have completed at least two years of an appropriate degree in the biological or social sciences.

Applications close with the University on September 23.

INTERNATIONAL FELLOWSHIP PROGRAM

Applications are now invited for ONE only award for an Australian citizen to undertake a Master of Arts degree or undertake nine months non-degree studies in the United States starting in September 1988.

Application forms may be obtained from: Australian-American Education Foundation, PO Box 1559, Canberra ACT 2601. Telephone (062) 479331.

Completed applications must be submitted before October 15.



Campus Community Interface

UNIVERSITY OPEN DAY – SUNDAY OCTOBER 11

With an advertising budget of \$8,000 large crowds are assured—for University Open Day on October 11.

All but three Departments have agreed to participate. The day will begin at 10 am on Sunday October 11 and close at 5 pm. The deadline for entries into the Open Day Program has passed, but late expressions of interest will be considered. Enquiries to the Friends of the University of Wollongong ext 3082 or 3073.

GRADUATES GROUP MINI-MARKET

During Open Day, October 11, the Graduates Group have been allocated space in which to conduct a mini-market.

The Graduates Group will be selling space to traders and members of the general public to sell any goods they choose.

Charges for space in the market vary between \$7 and \$17 depending on amount of space and amount of time required.

More information and booking forms are available from Giles Pickford (ext 3073), Friends of the University.

HELP FOR OVERSEAS STUDENTS WANTED

The Illawarra Committee for Overseas Students (ICOS) is seeking people from the community (non-students) who are interested in helping overseas students adapt to their new environment. Please contact the Friends office on 270073 or 270082 if you would like to be involved.

WEATHER STATION

The weather station moved on September 3 from the front of the university to the north-west side of the campus replacing the cricket batting practice nets. The move was made necessary by the upgrading of the approaches to the University and was carried out by Buildings and Grounds without any loss of readings. It was discovered however that the wind recorder required immediate repairs to ensure accurate readings. It is hoped that the station will be ship-shape by Open Day, permitting guided tours to be run for the public.

Seminars

DEPARTMENT OF PHYSICS – SCHEDULE OF COLLOQUIA

Held in Physics Lecture Theatre (building 18, room 118).

Thursday September 24, 12.30 pm – Dr Joe Unsworth, School of Mathematics and Physics, Macquarie University – Conducting Polymer Devices.

DEPARTMENT OF BIOLOGY SEMINARS SESSION II

All seminars to be held in Room G19, Building 35.

Tuesday September 22, 3.30 pm – Mrs Ae-Soon Tholen.
4.30 pm – Mr John Goodfellow – Biology Honours Seminars

FACULTY OF COMMERCE SEMINARS (ACCOUNTANCY AND LEGAL STUDIES)

All seminars to be held in Room 19.2035 at 11.30 am.

Date: September 25

Speaker: Professor Ken Moores (Otago)

Topic: Organisational Control Process in New Ventures.

DEPARTMENT OF HISTORY AND POLITICS POSTGRADUATE SEMINARS SECOND SESSION

All seminars in room 19.2004 at 5 pm

September 23 – Winifred Ward – Will Hobin: Secular Theologian

September 30 – Dr Andrew Wells – Fernand Braudel and Writing Australian History

DEPARTMENT OF CHEMISTRY SEMINAR PROGRAM SESSION II

All seminars are to be held on Friday in Room 18.111 (Physics) at 2.30 pm

September 25 – Professor L.N. Mander, Australian National University – RSC Lecturer for 1987

DEPARTMENT OF MATHEMATICS

Speaker: Dr Brian Martin, Department of Science and Technology Studies, University of Wollongong.

Title: "Social Values in Mathematics"

Date: Thursday September 24

Place: Room 15.204 (Austin Keane Building)

Time: 1.30 pm to 2.30 pm

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING RESEARCH SEMINARS

Venue for all seminars: Room 35.G45 at 4.30–5.30 pm.
Date: September 28

Speaker: Mrs M. Mei

Topic: Integrated voice and data in computer networks

ENVIRONMENTAL SCIENCE BOARD OF STUDIES/DEPARTMENT OF SCIENCE AND TECHNOLOGY STUDIES

Speaker: David Dumaresq (ANU)

Topic: The politics of sustainable agriculture in Australia
Time: Monday September 28, 1.30 pm.

Place: Building 19, room 241.

Further information: Brian Martin, 270763.

WRITER'S CLUB ACTIVITIES

Tuesday September 22 – 12.30–1.30 pm. Public reading – poetry and prose. Kirpal Singh and members of the Writing Club.

Tuesday September 29, Harold Park Hotel. Reading. 5.30 pm Bus departs from Gleniffer Brae.

SCHOOL OF CREATIVE ARTS

Friday September 25 at 8 pm

SCAW Ensemble conducted by Edward Cowie

Philip Pittman – Piano Trio

Edward Cowie – Lyre Bird, Mt Keira Duos

Robert Laurie – A Snatch

Arnold Schoenberg – Ode to Napoleon

Admission: \$5, concession \$3