



THE UNIVERSITY OF WOLLONGONG

CAMPUS

NEWS

A WEEKLY INFORMATION SHEET

5 NOVEMBER, 1982

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Distributed each Friday.

Editor: Giles Pickford, tel. (042) 282428.

"Graduate Reunions Needed" - V.-C.

The Vice-Chancellor, Dr Ken McKinnon, has congratulated the Graduates Group within the Friends for their work in drawing together the University's graduates and welding them into an effective force.

"The graduates are important to the survival of the University", said Dr McKinnon, "and the survival of the University is likewise important to the people who hold Wollongong degrees."

Dr McKinnon has urged all Chairmen of Departments to ensure that their graduates and staff are represented at the first Reunion of Graduates to be held on 12 November in the Union Hall, commencing 7.30 p.m. He hopes that the Departments will organize get togethers prior to the dinner so that graduates can bring themselves up to date on developments in the Department,

and so that staff can find out how their graduates are doing in the wide world.

The classes of '77 and '78 have been circulated with an invitation, as well as each member of the Graduates Group within the Friends.

The Graduates Group will organize the end of year reunion next year for the classes of '78 and '79. Ald. Keith Phipps, the Chairman of the Graduates Group says that he hopes the Reunions will forge continuing bonds between the graduates and the staff.

"The graduates are members of the University by Act of Parliament. We want to make this membership a real thing rather than a theory," he said.

Video Workshops From E.R.C.

The Education Resources Centre is planning a series of video workshops open to all members of staff, to be held over the next few months. Dr J.R. Panter, Acting Head of the Centre, said today that the workshops are designed to introduce participants to the basics of camera operation, lighting, sound and production. Staff completing the workshops should be able to plan and produce simple video tapes for the classroom or for individual student use in the Library and/or to collaborate with E.R.C. staff in the execution of more ambitious projects. Part of each workshop will be a discussion of the possible ways in which videotapes may be used in teaching and learning the various disciplines at university level.

Since staff were notified individually of the workshops last week, over 25 applications have been received, but there are still vacancies. Intending participants should contact Mrs Roberts (ext. 432) as soon as possible so that detailed planning can proceed.

Dr Panter also foreshadowed a series of workshops for effective teaching, suitable for postgraduate students and part-time staff. The programme will include workshops/seminars on lecturing and tutoring skills, assessment and the presentation of seminar papers. It is hoped that the staff of the academic units from which the participants are drawn will take part in the presentation of the workshops so that they will be of maximum relevance and usefulness. More details will be available soon.

Geology Summer School

The University of Wollongong's Department of Geology will be conducting a Summer School for high school students from Tuesday 30th November to Thursday, 2nd December. Students from Years 10, 11 and 12 in schools from the South Coast, Tablelands and southern Sydney areas have been invited to attend. This school follows a successful Geology summer school held in 1981.

The students will attend lectures and demonstrations in the Geology Department on Tuesday. A feature of the Summer School will be a field tutorial on the Bungonia area arranged for the Wednesday and Thursday. Overnight accommodation will be utilised at the Bungonia Environmental Centre. During the field trip, students

will visit mines and study a number of interesting geological features in the area.

The school has been arranged to acquaint high school students with the philosophy and scope of geology. First year geology courses at Wollongong University do not require a background in geology. Geology is taught in only a few high schools and many students from the feeder schools of this University will not have had the opportunity to experience it.

The Summer School offers an opportunity for young people to learn something of geology, and perhaps to consider studying it at Wollongong University.



Campus Community Interface

WALTERS FOR TOWN V GOWN CRICKET MATCH

This year's Town v Gown Cricket Match will be held on Thursday, 9 December, at Stuart Park.

Doug Walters has agreed to be the celebrity player for the Gown side, and Steve Rixon will keep wicket for the Town.

The limited over match will begin at 10 a.m. and finish at 4 p.m. The Union is catering for the event, so don't bring an esky or a picnic. Everyone and everyone's friend is welcome.

ITALIAN HISTORY SUCCESS

Following a successful fund raising evening, at which promises of over \$24,000 were made to support the History of the Italian People of Illawarra Project, the Vice-Chancellor has offered a commission to Dr Gerardo Zampaglione to write this book.

Dr Zampaglione retires as Ambassador for Italy to Indonesia at the end of this year and he will begin work on the History in early 1983.

Letters

CORRECTION

In Dr P.R. de Lacey's letter (28 October, 1982) there were some errors in a table. The correct table is published below with apologies from the Editor.

Doctorates Among University Academic Staff By Sex

	With Doctorate		Without Doctorate		Total	
	N	%	N	%	N	%Staff
Women	9	38	15	63	24	12
Men	120	70	52	30	172	88
Total	129	66	67	34	196	100

Distinguished Visitors

The Department of Chemistry is pleased to welcome Professor Fred Jakob, Professor of Analytical Chemistry, California State University, Sacramento, to the campus.

Professor Jakob will be spending a period of eight months, from September 1982 until April 1983, in the Department working with Associate Professor Peter Bolton on the application of digital computers to scientific instruments. He is accompanied by his wife Sybil, who is a Mathematics Instructor at California State University, and three of his sons.

Fred would like to meet with other research groups having similar interests while he is here. He can be contacted on ext. 976.

Concerts, Exhibitions and Entertainment

THE GLASS MENAGERIE

by Tennessee Williams

Tickets \$8.40 and \$4.20 (full-time students). Phone ext. 923 or call over to Theatre South to see Carmel or Liz at Room 1109, Social Sciences Building. Closes November 6.

CENTRE FOR THE ARTS EXHIBITION

An exhibition of student work from the Centre for the Arts will be held at the Institute of Advanced Education from 18 - 21 November 1982 from 10 a.m. to 9 p.m. on weekdays and 2 p.m. to 5 p.m. on Saturday and Sunday.

MUSIC AT THE INSTITUTE

A free concert will be given by the Institute of Advanced Education on Wednesday 3 November at 4.30 p.m. in the Music Auditorium. Artists: Lorraine Smith - Violin, and Merion Powell - Piano.

Programme: Beethoven: Sonata in C Minor Op. 30. No. 2.
Brahms: Scherzo in C Minor
Stravinsky: Suite Italienne

Lorraine Smith is a final year student at the Sydney Conservatorium; Leader of the Sydney Conservatorium Symphony Orchestra; has made recordings with Australian Broadcasting Commission; is a member of the staff at the Wollongong Conservatorium.

Merion Powell is a lecturer at the University within the Centre for the Arts; is the Musical Director of the Conservatorium Theatre Company; has worked with many international artists including William Primrose and Ernest Llewellyn.

For further information contact L. Williams.

COSMIC CANADIAN ROCK MUSICAL

The Centre for the Arts presents "Rumours of Our Death" in the Drama Hut from 3 - 6 November. Tickets at the door.

The show starts at 8.00 p.m.

Job Vacancies

Details of the following positions are displayed on the Campus News Notice Board situated at the southern end of the Hut.

AVCC University Vacancies:

The AVCC list of University Vacancies in Australia is available from the Friends of the University Office (320-99-2 refers).

Murdoch Post-doctoral Research Fellowship
In Nitrogen Fixation

Edinburgh Visiting Research Fellowships in
the Humanities.

General Notices

CHILDRENS' CHRISTMAS TREE

The University Childrens' Christmas Tree Party will be held on Saturday afternoon, 20 November at 1.00 p.m. and we would like once again to raffle a Christmas hamper to raise funds for the party. We would appreciate any donations towards the hamper. Goods to be left with Lionel Ransley at the Printery or Flora Hutchison, Central Registry Administration Building as soon as possible. Tickets will be 20 cents each or 6 for \$1.

PARENTS WORKSHOPS IN LITERACY

Dr Brian Cambourne, Head of the Centre for Studies in Literacy, will be conducting a workshop for parents of Primary and Secondary school children to assist them help their children develop literacy skills and complement their school programme.

The workshop will be held over two evenings on Tuesday, November 9 and 16 from 7 p.m. - 9 p.m.

Recent advertisements and letters to schools have produced numerous enquiries from interested parents, however some vacancies still exist so anyone interested should phone Dr Cambourne on 202222.

ANZAAS CONGRESS - PERTH 16 - 20 MAY, 1983

Congress Theme: Resources and Responsibility

Principal Venue: University of Western Australia

Section Programmes are planned for the following:

Physics	Economics
Chemistry	Anthropology
Geology & Mining	Archaeology
Architecture & Planning	Speech & Language
Engineering	Sociology
Pharmaceutical Sciences	Industrial Relations & Organizational Studies
Optometry	Criminology
Mathematical Sciences	Student ANZAAS
Zoology	Communication
Botany	Sports Sciences
Agriculture, Horticulture Forestry	Musicology
Microbiology, Epidemiol- ogy, Medical Sciences	History, Philosophy, Sociol- ogy of Science
Physiology	Health Education
Biochemistry	Environmental Studies
Food Science & Nutrition	Information Processing & Computer Sciences
Geographical Sciences	Law
Education	Women's Studies
Psychology	Social Welfare

Congress Symposia Topics will include:

Genetic Engineering
The House as a Functioning System
The Management of Wild Resources
Energy and Development Options
Australia in Asia - Resource Development and Regional
Responsibility
The Media - Technology, Power and Responsibility
Economic Change and Social Responsibility
One Nation and a Multicultural Society
Women and Development

Keynote Speakers of international stature will present papers on specialized sectional and intersectional topics, and will participate intensively in the Congress symposia.

Future Technology Symposia Topics will include:

Antarctica - The Scientific Experience
Human Reproduction
Mining and Rehabilitation
Relief of Deafness
Technology and Criminality
Future Technology and Personal Privacy
Education and Future Technology
Robotics in Industry
Remote Sensing in Oceans and Atmosphere
Communicating Science to the Public
The Individual - The Ultimate Resource

Further Information Contact:

Mr W.S. Cooper,
Hon. Organising Secretary, 53rd ANZAAS Congress,
School of Social Sciences,
Western Australian Institute of Technology,
Kent Street,
Bentley, Western Australia, 6102.

GENE CLONING: IMPLICATIONS FOR THE PRESENT AND FUTURE

Recently Wollongong University was honoured by visits from two speakers on genetic engineering. The first was Dr John Shine, Associate Director of the Centre for Recombinant DNA Research at the Australian National University. Dr Shine's initial success in cloning took place at the University of California in the Medical School, San Francisco. Since returning to Australia he has been at the forefront in developing techniques for the cloning of genes for growth hormones and for relaxin which eases the birth process. Dr Shine's very clear description of cloning techniques together with his set of well chosen slides gave the audience an excellent insight into the basic research potential of this new area of scientific breakthrough. Fascinating details of the kind of work presently in progress and of its future potential were presented to an audience of about 50.

DNA in multicellular individuals is identical in all cells except for the sex cells which have only one set of chromosomes instead of two. In order to obtain recombinant DNA, DNA from a cell of one kind of organism referred to as the donor, is cut into fragments by chemicals known as restriction enzymes. DNA is the host cell is also cut and donor portions are joined in by a different kind of enzyme. The host cell is then allowed to replicate so that the inserted gene segment is replicated within it. Bacteria are used as host cells in most cases since their rate of replication is rapid. In this way recombinant DNA techniques provide a method for obtaining large quantities of any selected gene which is spliced into the bacterial host DNA where it is multiplied many thousands of times. If it is the protein or gene product that is required this can be reproduced within the bacterium, isolated and collected. Particular pharmaceutical products such as insulin, relaxin and beta-endorphin can be genetically manufactured using these techniques.

Dr Shine was questioned on the need for safeguards. In Australia ASCORD was initially responsible for setting up guidelines for recombinant DNA research but a new committee has now been established. John Shine is a member of the Scientific Sub-Committee of the National Recombinant DNA Monitoring Comm-

ittee. Ron Johnston, Professor of History and Philosophy of Science at Wollongong University is also a member of the National Recombinant DNA Monitoring Committee, which is chaired by Dr Nancy Millis. Scientific work with recombinant DNA is under the surveillance of this committee.

The overseas visitor, Professor Charles Weiner, who conducts a programme on Science, Technology and Society at the Massachusetts Institute of Technology, spoke on the economic and political conditioning of academic based research and on guidelines. His talk was titled "New Genies in Old Bottles: Genetic Engineering in Historical Perspective." Professor Weiner spoke about attempts of scientists to self-regulate the conduct of recombinant DNA research, mentioning the Asilomar Conference, the reactions of local city governments and of Congress in the United States. Professor Weiner looked extensively at the problems of technology assessment in its historical context. While in Australia he collected data concerning the contributions of Professor Robertson in the science policy area back in the 1920s.

Courses on the social aspects of gene cloning and genetic engineering are offered by the HPS department, which sponsored the visits of Dr Shine and Professor Weiner. The department also hopes to be able to arrange to publish a book composed of a series of articles on the topic.

NATIONAL SUPERANNUATION SCHEME

The Commonwealth Tertiary Education Commission is proposing to introduce a national superannuation scheme (S.S.A.U.), applicable to universities and colleges of advanced education in Australia.

The HEB has had discussions with the Commission on a number of occasions to enable the Commission to advise the Board on the general nature of the Commonwealth proposals in regard to the new scheme. There are, however, continuing uncertainties surrounding the scheme being proposed by the Commonwealth, especially in relation to the requirements for membership and funding. Until these matters have been clarified, the Higher Education Board will be unable to confer adequately with interested parties prior to advising the Minister on the proposed scheme.

It should be noted that, whilst the Commission is proposing that the scheme commence as from January, 1983, institutions will have 3 years from that date in which to make a decision on whether to join the scheme.

A major point of concern is the Commonwealth's policy that supplementary funding "is to be provided on the basis that the eventual cost to institutions of meeting their superannuation liabilities will not exceed 14% of the cost of salary of staff entitled to superannuation benefits". Initial indications are that, in the long term, every New South Wales institution, whether its new staff join the new scheme or not, will eventually need to meet superannuation commitments in excess of the 14% limit. This issue of funding the excess over 14% is still being pursued. However, it seems that the Commonwealth proposes to use this constraint to attempt to draw at least all new staff employed by institutions into the new scheme.

The Board has had preliminary discussions with the New South Wales State Superannuation Board regarding amendments which would be required to the Superannuation Act if staff of institutions in New South Wales were to join the new scheme. During these discussions

representatives of the State Superannuation Board did not raise any issues which would seem to suggest any opposition to amending the legislation to permit staff at universities and colleges to join the proposed scheme. However, whilst policy on this matter had not been determined, it was indicated at the discussion that a situation where some new staff at an institution would be joining the State Superannuation Fund and other new staff would be joining the S.S.A.U. scheme may not be acceptable.

The HEB will also be meeting shortly with representatives from the New South Wales State Treasury to assess the possible implications to the State of the Scheme being proposed by the Commonwealth.

Following these discussions it may be necessary for the HEB to seek further discussions with the Commonwealth to clarify any matters still outstanding. As soon as all the outstanding matters have been clarified the HEB will be seeking consultation with all institutions and appropriate unions prior to the Higher Education Board's final advice to the Minister on the proposed scheme.

MELALEUCAS IN FLOWER

We currently have some *Melaleuca Linariifolia* flowering in the centre of the Main Car Park. Its common name is "Snow in Summer", which speaks for itself! The spectacular show should last for quite some time as the plants are not yet in full flower, so come up and see them some time!

Seminars

PROFITS THROUGH BETTER MERCHANDISING

The Wollongong Chamber of Commerce and Industry in association with the Small Business Agency will conduct a Seminar for Retailers on "Profits Through Better Merchandising".

The Seminar will be held on Sunday 14 November at 9.30 a.m. in the Pentagon Theatre.

Speakers: Mr Doug Nettleship, a well-known marketing consultant.

Mr Wal Willock, Senior Counsellor with Small Business Agency.

Contact: Donna Reilly on 288435 (or complete Application Form).

Fee: \$55 per person. The fee includes lunch, morning and afternoon tea and the opportunity for personal follow up by Mr Nettleship with you in your own store.

Scholarships and Prizes

Details on all the scholarships and prizes below are displayed on the Campus News Notice Board situated at the southern end of the Hut.

Regional Science Association
(68-99-1 refers)

Honours Dissertation Award

Great Barrier Reef Park Authority

Augmentative Research Support

Advertisements

BLACKSMITH SUBSCRIPTIONS NEEDED

The next edition of "Blacksmith" will tackle the theme "Illawarra - The Cinderella Region?"

Have you got your subscription in for this controversial issue?

Enquiries to Ron Pretty on 282243.

LION'S CHRISTMAS CAKES

As in past years these are now available at \$4.50 each from Bill Trueman, ext. 425. Buy now or place an order for December. Thanks for your support of the Deaf and the Blind.

WANTED

Old cameras and accessories, stereo viewers and cards, old images by a collector of photographica. Please contact Peter Pavlik, Dept. of Chemistry or private on 284925.

FOR SALE: \$165,000

Large Home, 42 squares, 2 storey. Brick veneer top floor, double brick bottom floor. 6 bedrooms, 3 bathrooms, 2 rumpus rooms. Large rooms. Double garage and double carport on another entrance. Keiraville proper, away from Mt Ousley Road and Motorway. Extensive gardens and trees. City, sea and mountain views which cannot be built out. Private aspect. 7 years old. Ring Tony Bell on 20-2270 or 29-9859 a.h. Brochure available.

TO LET

Austinmer: fully furnished house; three bedrooms, rumpus room, garage. Three minutes from railway station. Available from mid-January to early July. Phone ext. 834 or 67.2337.

TO LET

North Wollongong: 3 bedroom modern unit with lock-up garage. Lovely ocean and mountain views, easy walking distance from beach and town, only 5 minute drive from Uni.

Available from mid-November. \$89/week.

Phone Lynn Maxwell ext. 981 or private on 28.6173.

FOR SALE:

Architect designed house in secluded bushland setting. Three bedrooms, large rumpus room, study area. Close to University - \$89,000 o.n.o. Phone 284247.

