



THE UNIVERSITY OF WOLLONGONG

CAMPUS NEWS

A WEEKLY INFORMATION SHEET

28 OCTOBER, 1983

Deadline for copy 12 noon Monday.

Distributed each Friday.

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

Open Day/Expo a Record Breaker

The University Union estimates that it fed over 90,000 people during the weekend 22-23 October, 1983. As far as we know that is a record attendance for any University in Australia for an Open Day. The University budget for Open Day was \$2,500.

The Open Day Working Party is preparing a report to Senate. Comment is welcome and should be sent to

the Secretary, Giles Pickford, in the Hut.

The University especially thanks Radio 2WL, the organizer and promoter of the 80's Lifestyle Expo that coincided with Open Day. We also thank the Attendants, Cleaners, Gardeners, the University Union and all the staff who volunteered their labour over the weekend.

AUSTRALIAN RESEARCH GRANTS SCHEME ANNOUNCES 1984 GRANTS

The following research projects have attracted ARGs grant support for 1984. Grant support for the last three years is shown below.

1982 - \$193,652; 1983 - \$222,304; 1984 - \$222,977

HUMANITIES AND ECONOMICS

Dr. G. Ianziti - \$2,091

"The Writing of History as Political Propaganda in Renaissance Italy".

Dr. J. Mangan, Dr. J. Guest, Dr. R. Robinson - \$13,140
"Structural Change in a Steel City: Local and Nation-wide Impacts and Policy Responses".

SOCIAL SCIENCES

Dr. R. Henry - \$9,872

"Developmental Implications of Child-rearing Within the Family System".

Dr. R. Johnston, Dr. E. Richards, Dr. J. Schuster - \$27,578*

"Goal Direction in the Life Sciences: Intellectual and Social Factors in the Production of Science and Technology".

PHYSICAL SCIENCES

Prof. P. Fisher, Dr. C. Freeth, Dr. A. Martin - \$12,500
"Electronic and Vibrational Spectra of Solids".

CHEMICAL SCIENCES

Dr. P. Burton - \$24,100

"Quantitative Modelling of Molecular Structure and Behaviour".

BIOLOGICAL SCIENCES (PLANT AND ANIMAL BIOLOGY)

Dr. A. Hulbert - \$21,024

"Studies on the Evolution of Mammalian Endothermy".

Dr. R. Whelan - \$10,000

"Competition Among Plants for Pollination".

BIOLOGICAL SCIENCES (MOLECULAR BIOLOGY AND CELL METABOLISM)

Prof. A. Brown, Dr. R.M. Lilley - \$20,314*

"Osmoregulation in Halotolerant Algae".

Dr. R. Lilly - \$11,000*

"Metabolite Levels in the Cytosol and Mitochondria of Plant Leaf Cells".

EARTH SCIENCES

Mr. A.C. Hutton, Dr. A.C. Cook, Dr. J. Ellis, Dr. P.T. Crisp - \$16,480

"Investigations of the Mechanisms of Oil Shale Pyrolysis".

ENGINEERING AND APPLIED SCIENCES

Prof. J. Blake - \$25,228

"Mechanics of Muco-ciliary Transport".

Prof. J. Blake - \$10,650*

"Dynamics of Cavitation Damage to Turbomachinery".

Assoc. Prof. N. Kennon, Dr. D. Dunne - \$19,000*

"Properties and Applications of Shape Memory Alloys".

*Continuing projects. All other grants are for new projects

LEAL APPOINTED TO BOARD

Professor Leal has been appointed as a member of the Board of Senior School Studies for a period of four years as from 1 September, 1983.

MAJOR NEW BUILDING ANNOUNCED FOR THE UNIVERSITY OF WOLLONGONG

The Vice-Chancellor of the University of Wollongong, Dr. Ken McKinnon, welcomed the announcement that approval has been given for the construction of a major new building on campus.

The new facility, to be known as the Engineering/Science Building will cost a total of \$6 million.

Dr. McKinnon said that the announcement of the new building is a sign of the Government's confidence in the future of the University and of the region.

"Growth in student numbers in recent years, and particularly in 1983, has put severe strains on available accommodation", he said.

"The construction of the new building will allow Science, Mathematical Sciences and Engineering staff to occupy accommodation more appropriate to their needs."

"It will also permit, for the first time, the location of certain Faculties in adjacent areas."

"However, serious space problems will still exist at the University", Dr. McKinnon said.

"The growing popularity of the University and introduction of new courses in 1984 mean that further building projects are urgently required."

"In particular, the construction of another building is needed to provide enough engineering space."

"Building projects are also urgently needed to increase Library space, and to accommodate anticipated increases in enrolments in advanced education over the next few years" Dr. McKinnon said.

The new Engineering/Science Building will be located adjacent to, and on the eastern side of, the Austin Keane Building.

It will provide laboratories for Science and Engineering activities, ancillary facilities and office accommodation.

It will consist of two wings, each of two stories, which will be linked together.

The gross floor area will be of approximately 5,000 square metres.

The northern wing, which will house the Departments of Biology and Geology, will be of approximately 2,500 square metres.

The southern wing, also of approximately 2,500 square metres, will house the Department of Electrical and Computer Engineering.

It is estimated that tenders for the building will be called in early 1984.

ABORIGINAL TEACHER UNIT

A proposal is currently being prepared to establish an Aboriginal Teacher Education Unit at Wollongong University.

The proposal is being made by staff at the Institute of Advanced Education in association with the Centre for Multicultural Studies.

The central plan is to prepare Aboriginal teachers and also to generate research and development relevant to identified educational and other needs of Aboriginal Australians. It is envisaged that such a Unit would be significantly different from Aboriginal enclaves as they presently exist within other tertiary institutions. It would be given a large degree of autonomy to devise full and innovative courses of study. Early responses by representatives of the Aboriginal community indicate strongly that Wollongong University has an opportunity to meet a community need by taking a course of action, at once practical and far sighted.

The Unit could evolve into a cross-disciplinary, multi-purpose centre for research, development and teaching in both Aboriginal Education and Studies. As such it could be seen as an important contribution not only to the life of the University and Illawarra, but to the growing network of institutions around the world committed to the education and liberation of indigenous peoples.

The new Unit will be staffed and administered by Aborigines, with participation in the programme, on a voluntary and/or invited basis by other academic staff. While they are employed by the Unit, foundation Aboriginal staff will have the opportunity to engage in post-graduate study under appropriate supervisors from within the University.

A meeting of the NSW Aboriginal Education Consultative Group (AECG) on 7th-9th October, 1983 fully endorsed further refinement and submission of the current proposal.

Areas suggested by Aboriginal advisors for development include:

- (a) Aboriginal secondary teacher education.
- (b) Research in Aboriginal education generally.
- (c) Opportunity for relevant curriculum research/development.
- (d) Investigation of community approaches to Aboriginal education.
- (e) Development of materials for Aboriginal Studies.
- (f) Examination/development of appropriate curricula for Aboriginal teacher education.

It is proposed to submit a full-scale application for funding of Stage 1 of the development, beginning 1984. This will involve the setting-up of a research and development facility directed by Aboriginal foundation staff in consultation with existing University interest groups. The first intake of students would be Session 1, 1985.

If readers have materials, ideas and/or expertise to contribute to this project they are most welcome to do so. Please forward questions, comments and suggestions to - Aboriginal Education Interest Group, Institute of Advanced Education or Centre for Multicultural Studies, Wollongong University.

MARINE SCIENCES AND TECHNOLOGIES GRANTS SCHEME

The following research grants have been announced by the Marine Sciences and Technologies Grants Scheme.

Dr. E.A. Bryant - \$9,300

"Tracing and Modelling Surf Zone Currents using video taping".

Assoc. Prof. D.J. Clarke - \$4,321

"Assessment of Circulation on Beach Erosion".



Campus Community Interface

BOOK FAIR RAISES OVER \$2,000

The Friends Book Fair, organized by the Illawarra Branch of the Australian Federation of University Women, was one of the better attractions of University Open Day. It raised over \$2,000 and the Branch as a result has become a fully paid up Life Member of the Friends of the University.

Congratulations to Jan Cummings and her team of helpers!

GOWN WINS FIRST DEBATE

The Town v Gown Parliamentary style debate, sponsored by the Friends of the University, was held on Saturday, 22 October in Pentagon Theatre 1. A crowd of about 150 attended the debate which was on the topic "That the Leisure Coast should Secede".

The Speaker, Professor Ron King, presided over one of the roughest sessions ever witnessed in the Pentagon Theatres.

The Government consisted of the Gown team:

Mr. Tony de Lyall - Member for London Drive and Leader of the Govt.

Mr. Timothy Vandenberg - Member for New Dapto Road

Mr. Ed. Zeidan - Member for Vickery St.

The Opposition consists of the Town team:

Mr. Jeff Jones - Member for Market Street and Leader of the opposition

Mr. Charles Morrison - Member for Edward St.

Alderman Peter Bolt - Member for Shoobert Crescent.

The result of the debate was determined by Dr. Love-day who used the Department of Civil and Mining Engineering Clapometer to measure audience support for either team.

The result showed that the Gown team won by a decibel.

* * * * *

GOWN TROUNCES TOWN

The fifth Town v Gown Cricket Match, sponsored by Carlton United Breweries and the Friends of the University, was played on a perfect day to the largest crowd ever to attend the match.

The Gown won the willow trophy by one run, which was scored on the last ball of the last over. Peter Ferguson stone walled the delivery from Len Pascoe and ran for his life. Brian Chenall at the other end had begun his run before the ball left Ferguson's bat. It was the closest fought match in the five year history of the game.

Town's Innings

Batting:

Ian Stephen - ct. Walsh, b. Rallings	22
Tony Le Bas - ct. Reid, b. Herbert	47
Glen Tobin - ct. Rallings, b. Ferguson	12
Colin Pitt - ct. Reid, b. Herbert	1
David Bridge - b. Arthur	6
Peter Andonovski - st. Walsh, b. Ferguson	6
Len Pascoe - st. Walsh, b. Bailey	6
John Saye - run out	41
Stewart Sheeran - ct. Ferguson b. Bailey	7
Barry Bates - st. Walsh, b. Blackmore	7
Doug Barker - not out	14
Extras	12
	181

Bowling

Rallings	1 for 45
Walters	0 for 12
Herbert	2 for 14
Ferguson	2 for 27
Arthur	1 for 38
Bailey	2 for 16
Blackmore	1 for 4
Chenall	0 for 9
Cheetham	1 for 4

Gowns Innings

Batting:

Andrew Walsh - ct. Sheeran b. Bates	15
John Blackmore - l.b.w. Pascoe	4
Barry Reid - b. Barker	7
Doug Walters - ct. Tobin b. Pitt	41
Clive Arthur - run out	18
Tony Cheetham - ct. Pascoe b. Tobin	49
Dene Herbert - ct. Pitt b. Saye	9
Geoff Bailey - b. Pascoe	15
Peter Ferguson - not out	6
Brian Chenall - not out	5
Extras	13
	182

Bowling

Pascoe	1 for 33
Bates	1 for 28
Barker	1 for 22
Pitt	1 for 29
Saye	1 for 31
Tobin	1 for 26

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General Notices

UNIVERSITY'S REVISED POLICY & PROCEDURES ON SUPERANNUATION

The University has revised its policy and procedures regarding entry into the State Superannuation Fund. All staff are asked to note the revised policy and procedures.

1. All persons defined as "employees" by the NSW Superannuation Act will be compelled to belong to the State Superannuation Fund unless:
 - (i) they are granted exemption by the State Superannuation Board;
 - (ii) they are found to be medically unfit;
 - (iii) they are contributors to the University of Wollongong Professorial Superannuation Scheme.
2. Persons whose industrial awards specify a weekly rate of pay are not employees as defined by the NSW Superannuation Act and therefore will not be eligible to contribute to the State Superannuation Fund and will not be given the option of having their salary converted to an annual salary which would have the effect of making them eligible to contribute to State Superannuation Fund.
3. Limited term employees will be offered employment on the basis of a fortnightly equivalent of an annual salary. At no stage during their limited term appointment will their salary be converted from a fortnightly equivalent annual salary to an annual salary. The effect of this is that they will not be employees in terms of the NSW Superannuation Act and will not be eligible to contribute to the State Superannuation Fund.

It should be noted that the question of limited term staff is being looked at by officers of the State Superannuation Board and by the Personnel and Industrial Officer and that this position may be changed at a later date.

4. Part time employees will be offered employment on the basis of a fortnightly equivalent of an annual salary and will continue for the duration of their employment to receive the fortnightly equivalent of an annual salary. The part time nature of their work and the fact that they are in receipt of the fortnightly equivalent of an annual salary rather than an annual salary will mean, as has been the current practice, that they will not be eligible to contribute to superannuation.
5. General staff appointed to the University whose industrial award specifies an annual rate of pay will initially be offered appointment on the basis of the fortnightly equivalent of an annual salary. With the exception of limited term employees, temporary employees and part time employees (who are referred to above) such appointees will be advised in their letter of offer that if the University confirms their appointment at the end of a probationary period or probationary periods, the University will at the same time convert their salary to an annual salary and they will be compelled to join the State Superannuation Fund unless they are granted exemption by the State Superannuation Board or are found to be medically unfit.

Once the University has satisfied itself that the employee's services are satisfactory and has decided it wishes to confirm the appointment, the salary will be converted to an annual salary, the employee will be advised of the change and will be advised that arrangements are being made for them to be examined by the Medical Officer nominated by the State Superannuation Board to facilitate their entry into the State Superannuation Fund. Employees will be advised upon what grounds they may apply for exemption.

6. Academic staff other than temporary, part time and limited term academic staff shall be appointed on an annual salary.
7. At the point of confirmation of appointment and conversion of salary to annual salary or in the case of eligible academic staff, at appointment, the employee's name will be provisionally placed on the schedule for contributions to the State Superannuation Fund. The effect of this is that employees' contributions will be deducted immediately in anticipation of entry into the State Superannuation Fund. The purpose of taking this step is to enable people to take up the initial units of superannuation contribution at the earliest possible date. This could save them considerably in terms of money if they were to have a birthday occurring between the date of confirmation of appointment and the date the University receives a positive answer in relation to acceptance into the scheme. If, subsequently an employee is not accepted into the State Superannuation Fund by the State Superannuation Board the Board will refund the contributions already made by the employee.
8. Upon receipt of advice from the State Superannuation Board that an employee has been accepted into the State Superannuation Fund the University will advise the employee of that decision.
9. A member of the Staff Services Section will in the near future be seeking an interview with members of staff:
 - (i) who have commenced employment with the University since 1/6/82; and
 - (ii) who have had their appointment confirmed; and
 - (iii) who come within the definition of "employee" in the State Superannuation Act; and
 - (iv) who have not been granted exemption by the State Superannuation Board; and
 - (v) who have not been found medically unfit to become a contributor; and
 - (vi) who are not contributing to the State Superannuation Fund or the University of Wollongong Professorial Superannuation Scheme.

NOTICE TO PLAYWRIGHTS

The Adelaide Committee of the Australian Elizabethan Theatre Trust is calling on playwrights to submit plays for the 1984 Playwrights Awards. Details are shown on the Campus News Notice Board.

ROBINSON TO GIVE PAPER AT HONG KONG CONFERENCE

Dr. Ross Robinson, Reader in the Department of Geography, has been invited by the organisers of the 'Containerisation Asia 1983' Conference, to be held in Hong Kong December 6 to 8, to give a paper on his research into Asian containerisation and container trade prospects.

The conference is one of a series of major conferences on containerisation organised each year by the publishers of 'Cargo Systems', a UK based journal which deals with developments in cargo handling, containerisation and container shipping technology. In 1980 Dr. Robinson participated in the Third Container Technology Conference held in London. The conference was attended by 750 delegates from 45 countries.

The conference programme is organised in a number of sessions with themes ranging from Global Shipping Policy, Trade Prospects, Asian Shipping Prospects, Ship Development, Port Management and Container Technology. Speakers will include a senior adviser on economic affairs to the Secretary General of UNCTAD, A Deputy Assistant Secretary for Policy and International Affairs in the Federal Department of Transportation in the US, shipping line executives, Government Maritime Authorities, naval architects, port administrators etc.

Containerisation in Asia has continued to grow at a relatively rapid rate, despite the economic downturn and Dr. Robinson's paper will highlight the major developments and underline likely future trends. The paper will draw on trade analyses from a variety of sources and will, to some extent, be related to the research into Australian/ASEAN shipping relations which Dr. Robinson is currently engaged in.

The Hong Kong conference will follow on from a seminar to be held in Singapore in late November as part of the Australia/ASEAN Joint Shipping Project. Dr. Robinson will present, at that seminar, his preliminary research findings on Australian/ASEAN port problems.

GEOGRAPHER GOES ENGINEERING

Dr. Gerald Nanson of the Geography Department has been working with Dr. E.J. Hickin of Simon Fraser University (Canada) on developing a predictive model of river-bank erosion and channel migration on meandering rivers. From the 24th - 27th October, Dr. Nanson is attending a speciality conference in New Orleans on river meandering, organised by the American Society of Civil Engineers and the International Association for Hydraulic Research, to present a paper entitled "A Statistical, Predictive Model of River Bend Migration". The conference is intended to bring geomorphologists and engineers together to exchange ideas and information on mathematical and physical modelling of meandering rivers. Dr. Nanson's paper is to be presented in the Engineering Analysis session of the meeting and specifically attempts to predict river bank erosion and channel movement from measurements of hydraulic and sedimentological variables. Although there has been an enormous amount of research into the problem of bed-sediment transport in alluvial channels, there previously existed no reliable model for predicting bank sediment erosion and the resulting shift in channel position. As well as the obvious applied value of this work, it also contributes to an understanding of the way river processes operate to form natural landforms. Although Dr. Nanson is a geomorphologist, it is his work with natural river systems that has lead him to develop this applied aspect to his research.

COMPUTER EDUCATION IN SCHOOLS

1983 has seen many developments taking place nationally and within NSW relating to computer education in schools.

The release of the Minister for Education's Policy Statement as part of his speech at the official opening of the newly formed Computer Education Unit indicates the priority which the NSW Government now places on this rapidly growing area.

In other developments, the Secondary Schools Board has established a Syllabus Committee responsible for Computer Education in the secondary school years which are the Board's responsibility i.e. years 7 to 10 and has asked that the Committee produce, as a matter of high priority, a syllabus in Computer Awareness for all students. The Committee's second task will be to produce a syllabus in Computer Studies as an elective Board course.

Dr. Ian Pirie from the Dept. of Computing Science and Professor John Bennett A.O. are the nominees of the universities in New South Wales to the Syllabus Committee.

Dr. Pirie, who is also a member of the "K-12 Curriculum Project Team" set up by the NSW Department of Education, Chairman of the Australian Computer Society's National Education Committee, was elected Chairman of the Syllabus Committee for a four year term.

ILLAWARRA REGION EDUCATIONAL RESEARCH COUNCIL

At the end of June last, a successful educational research conference was held at the University, including some 50 people from several areas of the University, industry, school systems and other parts of the community. A resolution of this conference elected a steering committee charged with making arrangements to establish an Illawarra Region Education Research Council. On 30 September, this Council was established at another meeting at the University, and a Committee elected, including: Dr. P.R. de Lacey, Chairman; Dr. A.J. Fielding, Vice-Chairman; Miss M. Tsoukalas, Secretary; Mr. A. Ball, Assistant Secretary; Mr. C. Maher, Public Relations Officer; Mr. J. Curry, Bulletin Editor; Mr. P. Keys, Conference Co-ordinator.

Anyone wishing to become a member of the Council is invited to apply to the Secretary, c/- Department of Education at the University, or another member of the Committee.

A further conference, which may include reports on research commissioned by the Council, is planned for next autumn.

SUCCESS FOR DEPARTMENT OF ECONOMICS STUDENTS

Leith Verus has been offered, by the Commonwealth Department of Finance, a Cadetship for 1984: Leith will be appointed to the Public Service as a Cadet Economist and will be staying on at the University of Wollongong to complete her Honours Year before going to the Department of Finance in Canberra as a Graduate Economist. (Leith continues an Economics Department "tradition" established by Susan Horne who was awarded a Cadetship by the Commonwealth Treasury for the academic year 1983).

DON'T FORGET EXTERNAL STUDIES!

University staff, especially those within the University Sector, are reminded of courses offered externally (and some part-time) by the Institute of Advanced Education. A listing of courses (Degrees and Diplomas) appears in the Institute's publication 'Graduate Diplomas and Conversion Courses Completed by Part-time and External Studies'. Course descriptions are mostly brief but full descriptions of subjects appear in other booklets. All publications are available from the offices of the External Studies Division (tel. 202230) or Student Administration (tel. 282937).

It is important for staff to familiarise themselves with external studies courses or to be aware of the range of offerings. As a group, University staff represent a tremendous resource in their capacity to inform potential students or their parents about University and Advanced Education courses. Promotion of the University is a corporate responsibility to be shared by all staff.

SCARP UNDERSUBSCRIBED

SCARP, the University's magazine of creative writing, will not appear this semester. The editors have sifted through the submitted material and find that which has been chosen would only constitute one half the normal size of the magazine. Consequently, they plan to bring the next issue out in late February, 1984, and continue to call for submissions of creative writing and graphics to: James Wieland, Dept. of English Literature and Drama, Wollongong University. Either drop it in Jim's pigeon hole, or write including a stamped s.a.e.

LIBRARY NEWS

Some significant material now available in the Library.

1. Reference material.

National Library of Australia. Guide to Collections. Volume 4 compiled by C.A. Burmester. All 4 volumes of this work are now held. Valuable for information on the NLA's collections of millions of book and non-book items, especially in the Humanities and Social Science fields. The 4 volumes have a total 1969 entries. Three sample entries: Lenin, V.I., 1870-1923; Vietnamese newspaper; and Prowse, Edgar, 1905-1977. (Mr. Prowse was a senator from W.A. - one of many notable Australians whose private papers are now in the NLA). (Call no. RO27.59405/2)

The British Library General Catalogue of printed books to 1975.

Catalogue of Britain's national library published progressively, in book form. Volumes 1 to 197 now in the Michael Birt Library. Consult this before your research visit to London, perhaps. (Call no. RO18.10941/2)

2. Non-Book Material.

Oh what a lovely report.

A motion picture that demonstrates the principles of effective report writing. A "drama" starring Arthur Lowe from "Dads Army". (Call no. AV 651.78/3)

Women of the Sun

Series of 4 plays about Aboriginal women - on video cassette.

(Call no. AV 828.992004/9)

CHILDREN'S CHRISTMAS PARTY 1983

The Childrens' Christmas Tree Committee would like to raffle a Christmas Hamper again this year to help sell the funds for the Childrens' Christmas Party. We rely on donations from staff members to make up the hamper. All donations most welcome - i.e. tin fruits, toys, Christmas Cakes, drinks, wine etc. Please leave your donations with Lionel at the Printery, or Flora in the Administration Building.

Please have donations in by Friday, 5th November.

Tickets 20c each or 6 for \$1. If any departmental secretary would like a book of raffle tickets to sell please contact Flora on ext. 408.

Letters

Dear Editor,

I was surprised and somewhat disappointed to read an item in Campus News recently, which mentioned the desire of Dr. Peter Burton of the Chemistry Department to set up a Staff Club at the University. The suggestion of a separate social meeting place for the Staff of the University has often in the past been mooted by the odd academic or two but rarely has it been taken seriously in view of the harmonious relations existing, perhaps uniquely between students and staff at the University of Wollongong. One of the benefits of a small campus such as Wollongong's has been the opportunity for students and staff to meet face to face both socially and in the academic sense. To set up a Staff Club would merely invite the anonymity and elitism that so characterises the staff members of the larger universities. The money for a Staff Club would be better spent improving the existing facilities of the University Union.

Cheers,

Danny Miles

c/- Figtree Hotel

Figtree.

Book of the Week

From Chris Wilder, University Co-op Bookshop

THE BEST OF THE SCIENCE SHOW edited by Robyn Williams \$9.95 (members' price: \$9.45)

This is a collection of the best interviews and talks given on ABC Radio 2's popular Science Show, a programme which, every Saturday afternoon attracts over a quarter million listeners.

Of the many contributors whose broadcasts are reproduced, some are well known in scientific or technological circles (Oliphant, Szaz, Hoyle, etc.) while others come from the humanities: E.P. Thompson, Tony Beun, George McGovern.

Among the other broadcasters are Mike Cooley of Lucas Aerospace, Steven Rose, Richard St Barbe Baker, Margaret Mead, Patrick White, Ben Feingold and Carleton Gajdusek.

One Science Show broadcaster known to most people on campus is Professor Ron Johnston of H.P.S.

"The Best of the Science Show" is edited with an introduction by the presenter of the series, Robyn Williams.

Seminars

DEPARTMENT OF CHEMISTRY

Seminar will be held in the Chemistry Lecture Theatre Room 18.206.

Friday, October 28 at 11.30 a.m.

Mr. G.W. Diven - "Some More Binuclear Copper(II) Complexes of Pentadentate Schiff Bases".

Mr. W. Korth - "Ion Chromatographic Determination of Fluoride Ion in Electroplating Solutions".

DEPARTMENT OF MATHEMATICS

The seminars will be held in the Austin Keane Building, Room 204.

Friday, 28 October: 3.30 p.m.

Dr. A. Hooper (Department of Mathematics, University of Melbourne)

"Linear and non-linear instability at an interface between two viscous fluids"

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

Seminar: "Robot With Delicate Feelings"

Presented by: Dr. Andy Russell

To be held: 12.30 p.m. to 1.30 p.m. on Thursday, 3rd November, 1983, in Room G20, Building 4.

In most present day applications industrial robots lack sensors to feedback information about their environment. The provision of sensory systems for robot manipulators will allow them to adapt to variations in the objects they handle, perform quality control and detect unforeseen or hazardous conditions. Tactile sensors have advantages in robotic applications because they provide information which is directly related to properties being measured and hence relatively easy to interpret. Andy Russell will describe the development of tactile sensors for robot manipulators which is taking place in the Department of Electrical and Computer Engineering.

SEMINAR ON HARMONY

The Rosicrucian Order, AMORC

Topic: "Harmony"

Subjects presented: mystical attunement; reincarnation; Karma - and; the cycles of life; human aura; interpersonal relationship

The presentation will be given by Beryl Stephens F.R.C.

Date: Saturday, 12 November, 1983. Time: 8.30 a.m. - 5.30 p.m. Venue: Theatre 5, Pentagon, University of Wollongong. Fee: \$20.00 per person, morning and afternoon tea included

For further information contact Hank Kist at 83.3721.

DEPARTMENT OF ACCOUNTANCY

Topic: An Analysis of Australian Corporate Law Cases 1975-1983

Speakers: Mr. Ken Hale and Mr. Jim Jackson

Place and Time: Room 19.2035, 11.00 a.m., Friday, 4th November, 1983.

For further details contact Dr. F. Gul, tel. 282.842

DEPARTMENT OF ECONOMICS AND TASC

Speaker: Dr. Greg Bamber

Topic: Technological Change and Industrial Relations
Place and Time: Room 19.206, 5.30 - 7.30 p.m., Wednesday, 2nd November, 1983.

Dr. Bamber is Lecturer in Industrial Relations and Director of Research at the Durham University Business School. He is also an Arbitrator for the Advisory, Conciliation and Arbitration Service. He holds a B.Sc. (Manchester), and Ph.D. (Heriot-Watt University, Edinburgh). He has previously worked for the Commission on Industrial Relations and is a full-time union officer. He has published a number of articles on technological change and industrial relations in Britain, and his book on manager's unionism will be published by Cambridge University Press shortly. He is joint editor, with Russell Landsbury, of the most recent (special) issue of the 'Bulletin of Comparative Labour Relations', on Technological Change and Industrial Relations. Dr. Bamber is currently a Visiting Fellow at the Management Studies Centre, Macquarie University.

Concerts, Exhibitions and Entertainment

GRAHAM GALLERY - 1ST ANNIVERSARY EXHIBITION

Readers are invited to an exhibition of ceramics by Karl Preuhs.

Opening 23rd October, 11 a.m. Preview - Closing 6th November.

Karl Preuhs has been working with clay for more than twenty years. During this time he has exhibited in many shared exhibitions. His awards include the Wollongong Art Purchase Prize - Judge; John Bailey, and the Shell-harbour Municipal Art Society Craft Award - Judge; F. Abrahams - Crafts Board of Australia. He is represented in the Wollongong Regional Art Gallery Collection.

Choosing to work alone he follows the path of self reliance. Fully glazed, high-fired pots of classical form typify his creative style. He uses traditional glazes to enhance the balance and harmony of his ceramics.

Though trusting of his own skills as a potter he is ever respectful of the part played by the natural elements of clay, glaze and fire in the creative process.

Karl Preuhs ceramics have been purchased for presentation to Members of Government; to Clerical Dignitaries and Directors of multinational and Australian Companies. His ceramics grace many private collections in Australia and overseas.

WOLLONGONG CONSERVATORIUM OF MUSIC

Gleniffer Brae will be the setting for the following concerts presented by the Conservatorium of Music.

*9th November at 8 p.m.

Jose de la Vega - Piano ... works by Liszt and Schuman.

Admission per concert: \$5.00 and \$1.50 concession.

Bookings at Palings, Crown Street; Keyboard Clinic, Crown Central and The Conservatorium of Music, Wollongong.

CITY OF WOLLONGONG SYMPHONY ORCHESTRA

Music Director: John Wayne Dixon.

Guest Soloist: Robert Ampt, Organ.

Solo Organ Work; Poulenc: Organ Concert in G Minor; Dvorak: Symphony No. 8 in G Op.88.

8.00 p.m.

Saturday, 12 November

Wollongong Town Hall

Tickets \$7; \$5 concession

Bookings at Jurjens, 232 Keira Street.

WEDNESDAY GALLERY

4/328 Crown Street, Wollongong. Paintings, Pots, and Paraphernalia.

Open Wednesdays Only 10 a.m. - 4 p.m.

Enquiries to Bev - 28.3853.

WOLLONGONG POETS UNION

29 October:

Wollongong Poets Union announces the sixth and final prose and poetry reading in the Regional Libraries series funded by the Australian Council in meeting room of Dapto Library (Byamsee St) on Saturday October 29, 2 p.m. The performers will be Joanne Burns (Sydney prose writer; author of 'Ventriloquy', Sea Cruise, 1981; anthologised in 'Island in the Sun' //2, Sea Cruise, 1981; tutor in creative writing at NSW Institute of Technology); Sid Bristow (local short story writer); John Broomhall (ex-local singer songwriter, now working in Sydney); Malcolm Black, Dorothy Swoope and Debbie Westbury (members of Wollongong Poets Union). Admission is free.

ILLAWARRA MUSIC CLUB

The Illawarra Music Club has pleasure in offering a return coach trip to performance by the University of N.S.W. Opera of Rossini's wittiest and most humane comedy: Cinderella (La Cenerentola).

Deborah Riedel in the title role; Conductor - Roger Covell; Producer - Bernd Benthaak; Designer - Douglas Smith.

Friday, 11 November, 1983, 7.30 p.m. at the Science Theatre - University of N.S.W.

The coach will depart from Court House in Market Street at 5.00 p.m. on Friday, 11 November with pick-up points at Fairy Meadow, Corrimal, Woonona and Bulli. Enquiries to Geoff Williams on 282909.

A MUSIC THEATRE DOUBLE BILL

Presented by the School of Creative Arts .

BOW DOWN EIGHT SONGS FOR A MAD KING
by Harrison Birtwistle by Peter Maxwell Davies

Director: Gary Stonehouse
Musical Director: Andrew Ford

Sunday 13th November at 8 p.m.
Friday 18th November at 8 p.m.
Saturday 19th November at 8 p.m.

University Institute Playhouse (Canteen)
Entrance Gate 4 Northfields Avenue

Admission \$6 Concession \$3
Bookings Wilsons Union (28-2909)

Other entertainment from the School of Creative Arts

EQUUS by Peter Schaffer

November 6-7-8-9 at 8 p.m.
University Union Common Room

Admission \$5 Concession \$2
Bookings 282909

DANTE ALIGHIERI SOCIETY ACTIVITIES

1. ANNUAL SERATA MUSICALE

Hosted by Dr. and Mrs. Fuller

Saturday, October 29, 1983

26 Elizabeth Street, Managerton at 7.30 p.m.

Bring a Plate Bring a Sweet

Talent and Surprises Galore

This Serata Musicale promises to be

'The Cultural Event Of the Year'.

Dante members only or by special invitation

2. FUND RAISING SOCIAL COCKTAIL

Saturday, November 19 from 5.30 p.m. to 7.30 p.m.

This activity will be hosted by Dr. and Mrs. Nairn of Mount Pleasant. Details on invitations and tickets will be announced in the November newsletter.

THE FRENCH PRESENCE OR HOW AUSTRALIANS VIEW THE FRENCH

The Centenary of the Alliance Francaise in Australia will be celebrated by a humorous and imaginative exhibition by Australian amateur, professional and junior photographers. 105 photographs have been selected from a national competition.

The Australian tour begins at the University of Wollongong Library foyer on November 4 - 13, 1983.

Sponsored by the Alliance Francaise and the Wollongong Arts Council.

Vive La Difference!

Exhibition Hours: 9 a.m. - 10 p.m. Monday - Friday
9 a.m. - 5 p.m. Saturday 1 p.m. - 5 p.m. Sunday

Job Vacancies

THE UNIVERSITY OF WOLLONGONG

Equality of employment opportunity is University policy.

TEACHING FELLOWS

The University has introduced a new academic staff category of Teaching Fellow, the duties of which office include: to give tutorial instruction or to demonstrate, to assist in departmental work such as marking of essays, to be available for consultation by students and to assist in the preparation of teaching material and the organisation of teaching activities. The hours of duty will normally not exceed 20 hours in one week. A Teaching Fellow shall enrol in and undertake studies for a higher degree where feasible in the University of Wollongong.

Applications are invited for appointment as Teaching Fellows in the following Departments:

Accountancy:

From graduates with strength in either commercial law or accounting.

Chemistry:

From graduates in any field of chemistry.

Civil and Mining Engineering:

From graduates in either civil or mining engineering.

Computing Science:

From graduates in computing science or another discipline with a major in computing science or equivalent experience.

Economics:

From graduates in economics or statistics preferably with a good grounding in quantitative methods.

Electrical and Computer Engineering:

From graduates in any field of electrical engineering.

Mechanical Engineering:

From graduates in mechanical engineering or an allied discipline.

Appointment is for an initial period of up to four years and reappointments for an additional two years are possible. Fares for an appointee and dependants (from within Australia) to Wollongong are paid. Commencing salary is \$7971 per annum, within the range \$7971-\$9385 (under review).

Applications containing full details of qualifications, experience, research interests and the names and addresses of two referees should reach the University Secretary, The University of Wollongong, P.O. Box 1144, Wollongong, N.S.W. 2500 by 14th November, 1983. Please mark envelope 'Confidential - Appointment'.

INTERNATIONAL HOUSE

The Board of Management wishes to appoint a Senior House Tutor and 5 House Tutors for 1984. Applicants should be members of the academic staff or postgraduate students of the University. Details are with the Departmental Secretaries.

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

United Nations Various Posts

The East West Centre, Hawaii Director, Culture Learning Institute/Communication Institute

James Cook Lecturer in Language Arts
Lectures in Electrical Engineering
Lecturer in Biometrics
Administrative Officer

ANU Research posts in Prehistory and Agricultural Development
Lecturer in English
Tutor in Human Ecology
Senior Tutor in Accounting

Queensland Lecturer/Senior Lecturer in Electrical Engineering
Senior Tutors in Zoology
Lecturer in Commercial Law

Scholarships and Prizes

Details on the scholarships and prizes below are displayed on the Campus News Notice Board situated at the southern end of the Hut. Application forms are available from the Student Enquiries Office.

Australian Institute of Nuclear Science and Engineering Postgraduate Research Studentships for 1984

Advertisements

TRAVEL

Members of the Union can receive top value service from National Australia Bank Travel, with good rebates available on many holidays, cruises and flights.

So before planning your next holiday or trip call in at National Australia Bank Travel (corner of Crown and Church Street), identify yourself as a Union Member and let them tell you what deal they can offer you.

RESEARCH ASSISTANCE AVAILABLE

Honours Graduate will undertake research for busy students or academics.

Experience in most Humanities, some Social Sciences and General Studies.

Let me do the spade-work. You write the paper.

Reasonable Rates. Phone 61.2714 after 5 p.m.

LIONS CLUB CHRISTMAS CAKES

Once again the Lion's Club Christmas Cakes are now available from Bill Trueman, Library, ext. 425.

Cost \$4.95 for 1.5 kg. cake. Orders taken as well as sales.

A CAMPUS HOLIDAY IN MELBOURNE

Chisholm College, La Trobe University, offers family flats on campus, 15 km (25 minutes by car) from the City centre.

Enquiries to Bursar, Chisholm College, La Trobe University, Bundoora 3083, or phone 478.3122 ext. 2899/2875.

BAR HOURS

There are NO further Saturday bar openings this year unless we notify you of a special event.

BISTRO DISCOUNT DAY

Tuesday, 1st November, 1983.

10% discount on food purchases. Cash sales only.

SUGGESTION BOX

A Suggestion Box is now located in the Cafeteria so that members can make constructive comments regarding Union Services.

Members are asked to note that all comments placed in the Box should be signed, since anonymous correspondence will be disregarded.

MATURE AGE STUDENTS WINE & CHEESE NIGHT

The Union is concerned about developing more services and functions for mature-aged students on campus.

We would like you to come along to a Wine and Cheese Night to be held in the Common Room at 6.30 p.m. on Wednesday, 2nd November. It will be an informal 'get-together' where ideas about services and functions for mature-age students can be discussed.

To improve services and hold functions that mature-age students will attend and enjoy, we need your participation so bring along any ideas for activities you may have!

Free childcare will be available in the Women's Room from 6.30 p.m. to 8.30 p.m.

SATURDAY NIGHT FILM SPECIAL

"Goodbye Paradise". Best screenplay - Aust. Film Inst. Awards with Ray Barrett - Best Actor of the Year.

Bar and Bistro services available. Don't miss this award winning Australian Film.

Bar opens: 5.45 p.m. Bistro 6.00 p.m. (limited menu)

DON'T MISS OUT!

The "Kinetic Energy Dance Co." will be performing in the Union Hall at 8.00 p.m. on Friday, 11 November. Tickets \$6.00 \$5 Arts Council Members

Tickets available from the Union Office now!

HOLIDAY ACCOMMODATION AVAILABLE

The Women's College within the University of Sydney November 26, 1983 - February 20, 1984.

Some flats, single and twin study bedrooms at very reasonable rates.

Enquiries: Manager, phone: 51.1195 or 51.3761

HOUSE IN GYMEA BAY FOR RENT

2-3 bedrooms, fully furnished, separate dining room, large sunroom, air conditioned, fridge, freezer, washing machine, dryer, large garage/workshop, quiet street, 45 mins. to Wollongong, 6 months lease from December \$110 p.w.

Phone: 282.924 or (02) 5247801.

FOUND

Ladies watch.
Contact Tognetti, Mathematics (Ph.282.853).

HOLIDAY ON CAMPUS IN PERTH

St. George's College, University of W.A. is offering Twin and Single accommodation at budget prices; \$10.50 per head bed and breakfast. From 25th November, 1983 to 14th February, 1984. Beautiful Tudor style College minutes from City.

Enquiries to House Manager, St. George's College, Mount Bay Road, Crawley, 6009. Tel. (09)386.1425.

UNIVERSITY CATHOLIC SOCIETY

Mass is held at 12.35 p.m. on Thursdays during session in the University Union Common Room.

ANGLICAN CHAPLAINCY

The Anglican Chaplain conducts Bible study sessions each Thursday during session in Pentagon 4 from 12.30 to 1.30 p.m.

ASTRONOMICAL POSTERS

The finest in astronomical photography from NASA and the world's great observatories is available in postcard, poster or slide form at reasonable prices from the Illawarra Planetarium Society. Telephone 282881 for information.



DID YOU KNOW that the University needs the support of its graduates and that this can be delivered through the Graduates Committee of the Friends of the University?

Membership of the Graduates Committee is open to all members of Convocation for \$10.00 p.a. or \$40 for Life Membership.

STOP PRESS

ENVIRONMENTAL SCIENCE SEMINAR

Professor H.J. McClosky, a Visiting Lecturer in Philosophy from La Trobe University, has been invited to give a seminar on 'Recent trends in ecological ethics'.

It will be held on Thursday, 3rd November, 1983 at 12.30 p.m. in Pentagon Lecture Theatre 5.

All Environmental Science students and staff and other interested people are invited to attend.
