

# THE UNIVERSITY OF WOLLONGONG

# CAMPUS NEWS



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Editor: George Wilson, Tel. (042) 270910

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## PROMOTING TECHNOLOGY AND INNOVATION

The Department of Industry, Technology and Commerce has announced that a joint program has been established between the Department and the Centre for Technology and Social Change (TASC), under the direction of Professor Ron Johnston.

The program will run over three years with a budget approaching three quarters of a million dollars and will further promote the application of technology and innovation in raising Australia's industrial competitiveness. It will also extend the Department's access to external expertise in technology policy.

The aims of the program are to:

- strengthen the advice, expertise and skills available to the Commonwealth on issues of technology and innovation policy in Australia;
- promote the study of technology and innovation policy issues in Australia within an academic environment;
- facilitate collaboration between officers of the Commonwealth and researchers on practical issues of technology and innovation policy in Australia;
- increase the availability of expert analysis and information on broad technology and innovation issues to the Australian commercial sector and the community generally;
- conduct a regular 'Innovation Outlook' conference aimed at stimulating and enhancing the understanding of innovation as a means of improving the performance of Australian industry.

The Centre for Technology and Social Change is an independent research, consultancy and training organisation, which forms part of the Illawarra Technology Centre, attached to The University of Wollongong. TASC specialises in analysis of technology policy, strategy and management at the firm, regional and national level. It has been involved in the development of technology strategies for four States, and policy mechanisms for a number of Commonwealth departments.

The program will include research on the growing internationalisation of technology and its implications for Australian industry, the development of export orientation and capability in Australian firms, and key features within the firm environment associated with successful, technology-based trade.



Professor Ron Johnston

### THE CHINA CONNECTION – II

Ron Johnston has in fact just returned from two weeks in China as the guest of the State Science and Technology Commission and as a member of an official Australian Delegation to the Third China-Australia Science and Technology Policy Symposium.

After the symposium in Xiamen, Fujian Province, Professor Johnston went on to Beijing to deliver four days of lectures on the latest advances in science and technology policy research.

He also engaged in extensive negotiations with officials from the SSTC and its research units which led to a request from the Chinese Government for an official exchange of letters establishing the basis for collaboration in S&T Policy research. The details of the program of information exchange, joint research, joint symposium and provision of training are to be negotiated by TASC in Australia and the National Research Centre for Science and Technology for Development in China.

Following Professor Johnston's visit, members of the National Natural Science Foundation, People's Republic of China (NSFC), will visit TASC and the University of Wollongong on their forthcoming trip to Australia. Members of this delegation include Professor Hu Zhaosen, Executive Vice Chairman, NSFC, Mr Huang Jian, Secretary General, NSFC, and Mr Wu Jiaxiang, Director, International Cooperation Branch, NSFC. The purpose of the visit to Australia is to obtain an understanding of research processes in this country with a view to long-term collaborative research.

#### SMALL ISSUE

Because of the University recess, and the resulting paucity of news when we closed for press, this issue of *Campus News* runs to only four pages instead of its usual eight.

## General Notices

### RESOURCE MATERIALS FOR SECONDARY SCHOOLS

During Session 1 Brian Rogers of the Faculty of Education's School of Curriculum Studies has been preparing and trialling a set of resource materials for use in Secondary School History programs. These materials are based on Mr Rogers' investigations of the history of beehive coke ovens near Wollongong Harbour which were unearthed during the construction of the access road from Flagstaff Hill. The project has been funded by a University Research Grant.

The kit of materials, which is intended to introduce students to the skills of using a variety of sources of historical evidence, includes secondary sources, newspaper extracts, maps and photographs, and also the report of the archaeological study of the site which was undertaken in 1984. These materials are supplemented by guides for teachers and students and some technical background on the coking process. If it proves to be successful, this kit will be published as the first in a series.

A trial kit has been prepared and is undergoing classroom evaluation at Wollongong High School, where it is being used by students in years 8, 9 and 10. It is hoped that if the trial kit is successful, others will be published in an 'Historical Detective' series which will give students an opportunity to investigate a variety of historical problems.

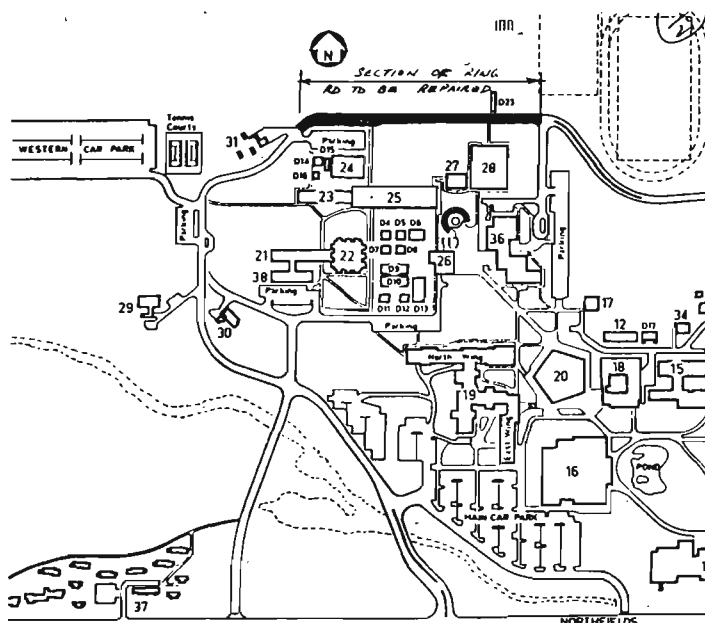
### RECONSTRUCTION OF RING ROAD – NORTHERN LINK

The total Ring Road is now either new construction or reconstruction of the original road, except for one final section from the intersection leading to the new Administration Building to the end of the straight section just west of the Music Centre.

Approval has now been given to reconstruct this section and work is being carried out during the Session break, i.e. between June 29 and July 12. Every effort will be made to complete the roadworks to a stage at which traffic may use it by the start of Session 2 on July 13.

We request your co-operation to bear with us for the duration of the works and assure you that every effort will be made to reduce any inconvenience to the minimum.

M.S. Wong  
Co-ordinating Engineer



## MOVE FOR A SOCIAL SCIENCE FEDERATION

A meeting in Canberra of representatives of 20 associations of social scientists, including economists, anthropologists, geographers, political scientists, statisticians, historians and education researchers, has endorsed in principle the formation of a federation of social science organisations.

The federation would enable the viewpoints of social scientists to be put before governments, public authorities, industry and the community. It would in some respects be a social science counterpart to the Federation of Australian Science and Technological Societies (FASTS). The meeting believed that the contribution which the social sciences had to make to Australian society had to be put more clearly before decision makers. Otherwise this contribution was likely to be obscured by the greater attention given to science and technology.

Areas in which such influence should be felt included the funding and organisation of research; ethical questions relevant to science and society; and the recent decline of libraries and other sources of information.

The meeting, which was sponsored by the Academy of the Social Sciences in Australia, decided to hold a further meeting in July at which a Federation of Australian Social Science Organisations would be formally launched.

### CHEMICAL ABSTRACTS ONLINE

A workshop on searching Chemical Abstracts Online, conducted by Dr D. Ridley, Sydney University, will be held in the Library on July 9–10. Chemical Abstracts is already available through the Dialog Lockheed System, but STN International will provide abstracts with the citations and offer the extra facility of structure searching, both of which are not possible on Dialog.

### THEATRE SOUTH PREPARES FOR BICENTENNARY

As a run-up to the bicentenary, an all-Australian season will be presented with highlights specifically related to this region.

A special highlight will be Anthony Warlow's return to Wollongong to star in 'A Song to Sing, O!'. The story of George Grossmith who was the original comedian and patter song man in the works of Gilbert and Sullivan.

Another local highlight will be Wendy Richardson's play 'Windy Gully' about the Mt Kembla mine disaster of 1902. 'Emerald City' David Williamson's latest play will also be featured in this year's season.

Dorothy Hewett's 'Golden Valley'. Dorothy was playwright in residence at The University of Wollongong during 1985 when Theatre South performed one of her outstanding plays 'The Man From Mukinupin'.

## Job Vacancies

*Details of the positions listed below are on file in the Planning and Marketing Office, on the second floor in the administration building.*

Adelaide	Research Associate, Waite Agricultural Research Institute
	Tutor, Department of Electrical and Electronic Engineering
Monash	Dean of the Faculty of Engineering
Murdoch	Temporary Lecturer in Economics
Newcastle	Lecturer in Statistics (tenurable), Department of Statistics

# 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 Post-graduate Studies.*

## APEX FOUNDATION – RESEARCH INTO MENTAL RETARDATION

The Apex Foundation for Research into Mental Retardation has invited applicants for support of research projects in any discipline (medical, educational, epidemiological, psychological, biological, sociological, etc) which is concerned with the causes, diagnosis, prevention or treatment of mental retardation or allied conditions.

Applications close with the University on July 20.

## THE ACADEMIES' AUSTRALIA–CHINA EXCHANGE IN THE HUMANITIES AND SOCIAL SCIENCES

Applications for exchange fellowships are invited from scholars interested in visiting China under the joint exchange agreement presently operating between the Australian Academies of the Humanities and the Social Sciences and the Chinese Academy of Social Sciences in Beijing.

Applications close with the University on July 20.

## AINSE RESEARCH FELLOWSHIP

AINSE Research Fellowships are offered by the Australian Institute of Nuclear Science and Engineering for post-doctoral scientists and engineers wishing to undertake research projects within the Institute's field of interest.

Applications close with the University on August 17.

## AUSTRALIAN WAR MEMORIAL BICENTENNIAL FELLOWSHIP 1988

The Australian War Memorial will celebrate 1988 by establishing a Bicentennial Fellowship to allow a senior academic or non-academic researcher to initiate, pursue or complete a significant research project on Australian Military History. The award will pay the incumbent's salary for six months, up to the level of a professor.

Applications close with the University on September 16.

# Scholarships and Prizes

## NSW RHODES SCHOLARSHIP 1988

Applications are invited for one Rhodes Scholarship tenable at the University of Oxford from October 1988. The Selection Committee will be looking for quality of both intellect and character in a candidate.

Applications close on August 7.

## ARTS SCHOLARSHIPS

Applications are invited for two scholarships – the Harold Wright and the Sarah and William Holmes Scholarships – to allow holders to carry out an intensive study of

prints at the British Museum in London for a period of up to 12 months.

Further information can be obtained from The Assistant Registrar (Arts), University of Melbourne, Parkville, Victoria, 3052, with whom applications close on August 31.

## NATIONAL UNIVERSITY OF SINGAPORE RESEARCH SCHOLARSHIPS

The National University of Singapore have invited applications for Research Scholarships for study leading to Master's and Doctor's degrees at the University.

Further information can be obtained from: The Registrar, National University of Singapore, 10 Kent Ridge Crescent, Singapore 0511.

## EDGEWORTH DAVID MEDAL

The Edgeworth David Medal is awarded by the Royal Society of New South Wales for distinguished contributions by young scientists. Nominations are called for the names of suitable persons by September 30.

## FREDA BAGE FELLOWSHIP

The Australian Federation of University Women-Queensland has invited applications for the Freda Bage Fellowship for tenure 1988/89. It is open to all members of IFUW for post-graduate research with a stipend of \$9000, tenable at any Australian university.

Application forms may be obtained from: Dr Melda Moffett, 87 Khartoum St., Kedron, Qld. 4031, with whom applications close on September 30.

## RESEARCH INTO MENTAL RETARDATION UNDERGRADUATE SCHOLARSHIPS

The Apex Foundation for Research into Mental Retardation is willing to receive applications for studentships valued at \$400 from undergraduates who are preparing theses on a subject related to mental retardation.

Applications may be lodged at any time.

## PREVIOUSLY REPORTED IN CAMPUS NEWS

Name	Internal Closing Date
Rothmans Fellowship	July 10
Rural Women's Access Grants	July 20
Teaching Company Scheme	August 3
Australian Academies and Royal Society – UK Visits	August 18
Harkness Fellowship	August 31
Japanese Fellowship – Matsumae Foundation	September 16
Australian Academy of Humanities – Travel Grants	September 30
History of Culture in Australia Prize and Award	September 30
Cambridge Benians Fellowship	October 1
James N Kirby Foundation	October 19
World Bank Fellowship	October 19
AVCC Visiting Fellowships for Australians	October 19
Edinburgh Institute – Humanities Visiting Research Fellowships	November 16
Clive and Vera Ramaciotti - Travel Grants	Any time
Earthwatch	Any time
Criminology Research	Any time

## Friends Campus Community Interface

### SCULPTURE COMMISSION

A Bicentennial project of the Friends of The University of Wollongong and the 'Illawarra Mercury' with the sponsorship of the Australian Bicentennial Authority and the New South Wales Bicentennial Council.

A sculpture dedicated to the theme of flight to commemorate the pioneering work of local scientist and aviator, Lawrence Hargrave. To be constructed on or near The University of Wollongong campus.

Expressions of interest from sculptors resident or working in the Illawarra (i.e., with studio located in the region) are invited to be submitted by 27 July 1987 to The Friends of The University of Wollongong, PO Box 1144, Wollongong, 2500. Such expressions should include a curriculum vitae and photographs of major works.

No more than three sculptors, and if so decided by the selection committee one or two sculptors, will be requested to prepare details of design and working drawings, a maquette and an estimate of the cost of construction. Those chosen will be sent a detailed job brief, including details of the site. All such invited submissions will attract a fee of \$500. The winning sculptor will receive a commission of between \$8000-\$9000.

The cost of materials and labour over and above the sculptor's commission will be raised by the Friends of the University with a major sponsorship coming from *The Illawarra Mercury*.

The winning sculptor will be announced on Friday September 4 and the work must be completed during October 1988. The selection committee will be drawn from representatives of the Australian National Gallery, The Wollongong City Gallery, the Visual Arts, and the Friends of The University of Wollongong.

Further details from Giles Pickford (042) 270073 or (042) 848373 after hours.

## Advertisements

### SALE BY TENDER

The University has the following vehicle for sale by tender: 1 Holden Rodeo Utility, Reg. No. NLD-526.

The University offers no guarantee on this vehicle. Terms of sale are cash or bank cheque. For inspection please call Mr M. Bramston (042) 270594.

Tenders should be forwarded in a sealed envelope marked 'Tender NLD-526 - Attn Supply Office'. Tenders close 11.30 am, 15 July 1987.

### ERRATUM

#### ALEXANDER TECHNIQUE WORKSHOP

In last week's issue of *Campus News* the cost of attending the Alexander Technique Workshop on July 11 and 12 was given as \$750. That figure should have been \$75.

## Seminars

### DEPARTMENT OF BIOLOGY — BIOMEDICAL EVENING SEMINARS 1987

Each Seminar will be preceded by a char grill dinner at 6.30 pm in the Union Bistro. Those interested in attending the dinner should contact Dr E.J. Steele before the designated evening so that appropriate bookings can be made. Seminars will begin at 8 pm in Lecture Theatre G.19, Building 35. This series is sponsored by the Department of Biology and the School of Health Sciences. The assistance of Dr Stephen Anderson is acknowledged.

Wednesday July 8 — Dr Dick Telford, Chief Scientist, Australian Institute of Sport, Canberra

— Physiology of High Level Sporting Activity.

### HUMAN MOVEMENT AND SPORTS SCIENCE ADVANCES IN COGNITIVE CONTROL IN SPORTS

Graduate students and staff seminar, Monday July 13, 4 pm, room 38.116.

Speaker: Professor Brent Rushall, San Diego State University, California. Professor Rushall is one of the leading sports psychologists in the world. He is an international conference speaker who is well known in Australia and North America for his research on applied psychology in sporting environments.

He is Professor in the Department of Physical Education at San Diego State University. He has acted either as a coach or technical advisor and has conducted research in a number of sports including swimming, rowing, skiing (Alpine, cross country, jumping), rugby union, volleyball and wrestling. He has a high international profile as a sports scientist particularly in Australia and North America.

He is an Australian citizen who did his undergraduate training at Sydney University (1964) and obtained his Masters and PhD degrees at Indiana University (1967, 69). Prior to his present appointment he has held academic positions at Universities in Canada at Dalhousie University (1971-75) and Lakehead University (1975-85). He has been an invited speaker in conferences and seminars in many countries including Australia, USA, Canada, New Zealand, South Africa, Spain and Singapore.

Dr Rushall is the author of five books:

- The Development and Control of Behaviour in Sports and Physical Education. Lea and Febiger, 1972.
- The Status of Psychomotor Learning and Sports Psychology Research Sports Science Associates, 1975.
- Psyching in Sports. Pelham, 1979.
- The Psychology of Successful Cross-Country Skiing. Cross Country Canada, 1986.
- The Psychology of Successfully Competing in Endurance Events. South African Association for Sports Science, 1987;

as well as fifteen manuals and self-directed study guides associated with sports psychology and the preparation of athletes. He also has had more than 100 papers published in refereed scientific journals.

### DEPARTMENT OF PHYSICS — SCHEDULE OF COLLOQUIA

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

Thursday July 16, 12.30 pm — Dr Lindsay Tassie, Department of Theoretical Physics, Research School of Physical Sciences, Australian National University — Strings and the Universe.