



30 June 1987

## FULL-FEE COURSES FOR OVERSEAS STUDENTS

### UNIVERSITY COOLING TOWERS CLEARED

On May 6 all cooling towers installed on campus were shut down so they could be inspected, drained, cleaned and sterilised.

Test samples were taken from each tower before cleaning and samples sent to an independent microbiologist to determine whether there was a presence of Legionella bacteria.

Three days after the towers were sterilised, further samples were taken to make sure all towers were bacteria free.

A certificate of Legionella sampling has now been received from the independent testing laboratory for all samples taken from each cooling tower before and after sterilisation.

All cooling towers were certified as being free from the bacterium Legionella pneumophila which was responsible for the recent outbreak of Legionnaire's disease in the Wollongong area.

One cooling tower, in the Library, was identified as having a very low level of one of the family of Legionella bacteria, Legionella seeler, prior to sterilisation. It should be emphasised however, this bacterium has never been reported as causing disease. Moreover, the bacterium count was extremely low, well below the minimum statistical value that requires reporting.

The post-treatment sampling and testing has confirmed the absence of any type of Legionella bacteria in any of the cooling towers installed and operating at the University of Wollongong.

The University has always maintained air-handling systems installed in buildings at the highest possible level. Cooling towers have been chemically treated from the first commissioning date.

Weekly 'dip slide' testing and bi-weekly 'slug' dosing for control of bacteria was introduced into the maintenance program for cooling towers some three to four years ago and has proven to be quite satisfactory as indicated by the test results received.

The University as a matter of course will also adopt and place into practice recommendations as stated in the Australian Draft Code D.R. 87142 Control of Microbial Contamination in air-handling and water systems in buildings.

K.E. Baumber  
University Secretary.

For a number of years Australian universities have been committed to intakes of overseas students. Until 1986 the individual institutions handled applications themselves, but with the Australian Government's creation of a new Overseas Students Office, the past two years have seen overseas applications for all universities processed by this office in Canberra.

In the past all overseas students were able to study in Australia free of charge. The change to the requirement that such students in future must pay an annual visa fee marked a significant variation in government policy toward non-Australian students. What remained was the quota system that imposed constraints on the numbers of students that could enter institutions and particular courses.

During 1985 the Australian Government amended its Trade Act to enable certain educational activities to be marketed to prospective overseas clients. These included short courses and award courses, both of which could now be provided off-shore or in Australia. The two significant changes that impacted on education as a result of the amendment were:

- i) the requirement that full cost fees be paid by students undertaking these courses;
- ii) the elimination of the quota constraint on such students.

The alternative route for overseas students through the visa payment with its quota constraint was to remain.

#### The Working Party

In 1985 the University's Council established a Working Party to consider the possibilities of admitting full-fee paying students. The Working Party advised that it endorsed the principle of full-fee courses for overseas students, but in view of the present lack of resources, such courses should not be offered to large numbers of students.

#### A Dual System

During 1986 the Commonwealth Tertiary Education Commission indicated it would require institutions to seek approval for fee schedules associated with the new concept. The Commission insisted that any fees struck must contain a capital cost component that would reflect the need to provide capital facilities for students. In short, apart from the recurrent (staffing, consumables, equipment, telephones, travel, etc.) costs, universities would be required to provide from the income received building needs associated with the full-fees program. Tertiary education was to have two separate funding sources:

- i) the traditional one, for Australian and some overseas students, where recurrent funding to universities comes from the Commonwealth on a student per capita basis, and where buildings are provided to individual institutions through a separate grant according to the Commission's priorities;

# 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.*

## PREVIOUSLY REPORTED IN CAMPUS NEWS

Name	Internal Closing Date
Canadian Studies Awards	July 1
Rothmans Fellowship	July 10
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
Edinburgh Institute – Humanities Visiting Research Fellowships	November 16
Clive and Vera Ramaciotti - Travel Grants	Any time
Earthwatch	Any time
Criminology Research	Any time

## TEACHING COMPANY SCHEME

Innovative Australian companies and tertiary education institutions have been invited to submit applications to take part in the National Teaching Company Scheme. The aim of the scheme is to demonstrate the mutual benefits of co-operation between industry and academia and to attract high calibre graduates into small to medium sized Australian-owned companies. Approved projects include development of new products, new or imported manufacturing processes and the introduction of new management or marketing procedures.

Applications close with the University on August 3.

## 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.

## AVCC VISITING FELLOWSHIPS FOR AUSTRALIANS

Applications are invited for grants toward the cost of travel and subsistence to enable Australian scholars to visit: Bangladesh, Burma, Fiji, Hong Kong, India, Indonesia, Japan, Korea, Malaysia, Pakistan, Papua New Guinea, Phillipines, Singapore, Sri Lanka, Thailand.

Applications close with the University on October 19.

## 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.

## 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 close with the University on October 19.

# Scholarships and Prizes

## JOINT COAL BOARD SCHOLARSHIP

Conditions of the award have been changed.

The scholarship will be known as 'The Joint Coal Board Scholarship'.

Candidates for the scholarship must be permanent residents of Australia and be enrolled in Year 4 of the Applied Geology, Mining Geology, or Mining Engineering course (or equivalent course). The successful applicant will be required to undertake the field project thesis in a topic directly related to coal or the coal mining industry.

The scholarship will be \$500 or as subsequently determined.

Normally students will not hold any other scholarship or award (except for an Australian Government Tertiary Allowance) concurrently with this scholarship except with the permission of the Joint Coal Board.

The scholarship will be awarded on the recommendation of a committee consisting of the University Secretary, Head of the School of Mining Engineering, Head of the School of Geology, and the Chairperson of the Undergraduate Studies Committee or their nominees.

The scholarship will be awarded on the basis of academic merit.

## 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.

# FULL-FEE COURSES FOR OVERSEAS STUDENTS

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ii) the full-fees system, whereby foreign students seeking an education in Australia are required to pay for tuition and associated costs, including buildings.

## Council's View

It was in the context of this background that at its meeting on December 6, 1985, the University of Wollongong Council resolved that the provision of full-fee courses for overseas students at the University of Wollongong after 1987 be endorsed in principle. In October 1986 Council approved the offering of selected short courses for overseas students on a full-fee basis and subsequently, in February 1987, approved further investigation of the feasibility of attracting full-fee-paying overseas students to the University, provided there was no lowering of the academic standards required for entry. In April 1987 Council authorised the Vice-Chancellor to proceed with the planning and organisation of an estimated intake of 100 undergraduate students in 1988, and to commence planning capital projects to provide additional student accommodation and teaching facilities, including the raising of loan funds to advance the projects.

## The Role of Austrade

Since 1985 the Australian Trade Commission, through Austrade, has been liaising with Australian tertiary institutions and its overseas offices in the establishment of full-fee courses. The marketing resources of Austrade have been oriented to try to ensure the success of the venture. The Government believes there are currently more than 2500 students enrolled in full-fee courses, and it expects this number to triple in 1988 due to the number of Australian universities offering full-fee courses in 1987 and intending to expand next year.

## Preserving Standards

The University recently resolved that it should raise its general level of entry. This would include the raising of Higher School Certificate aggregate cut-off scores for degree courses. Under the Government's guidelines for full-fee courses, institutions are to ensure that comparable academic standards apply to courses conducted for full-fee paying overseas students as currently apply to like or similar courses conducted at that institution. In order to establish comparable standards, the University has developed criteria which ensure that any overseas qualifications held by applicants have been achieved at a level which is at least equivalent to the cut-off aggregates to be required of local applicants.

The University of Wollongong has decided it will conduct its own English testing to determine the capacity of overseas applicants to cope with the language of instruction. The tests have been developed in association with the Centre for Studies in Literacy, Language and Cognition and are aimed at ensuring students' reading, writing and oral language competencies are appropriate.

## Protecting Australian Student Places

Included in the Government Guidelines is the requirement that no course or place offering may displace an Australian or subsidised overseas student who would otherwise be eligible to study in such courses. Institutions may conduct extra courses or increase enrolments in existing courses for full-fee overseas students where capacity exists or could be developed.

P.D. Rousch  
Deputy Vice-Chancellor  
(Services and Development)

# \$5,000

## Prove that you're worth it, and it's yours.

If you are a postgraduate student in an Australian university holding a Commonwealth Postgraduate Research Award (or its equivalent) you could be \$5,000 richer.

But be warned, it won't be easy.

You could win one of six \$5,000 bursaries, to be awarded by Sigma Data Corporation, the Australian computer company.

But, like anything worthwhile, you'll work for it.

The awards will be made on a competitive basis, to encourage students to achieve the highest standards.

Our objective is to encourage graduates from computer science, computer engineering and information technology courses to undertake postgraduate studies.

You will probably be working towards a degree such as Master of Science, Master of Engineering Science, or Doctor of Philosophy.

And we will be most interested in projects which might enhance Australia's reputation in the field of operating system technology particularly as it relates to UNIX.

The six \$5,000 bursaries will be tenable for a three year period, and will be reviewed annually.

If you win one, you'll know that you've earned it.

And so will others.

For an application form, see the Department Head of Computer Science at your university, the North Sydney office of Sigma Data, or post the coupon. Applications must be lodged with Sigma Data no later than July 20, 1987.

It could be the toughest \$5,000 you'll ever earn. But \$5,000 may never be worth so much to you again.

Post to: Sigma Data Corporation Pty. Ltd. 157 Walker St., North Sydney, N.S.W. 2060. Ph: (02) 957 3777

Please send me an entry form for the Sigma Data Postgraduate Research Awards.

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Sigma Data  
Postgraduate Research Awards.



## RESEARCH AWARDS IN COMPUTING.



## Seminars

### 2ND OPEN SEMINAR SERIES THE BRAIN AND LEARNING

Venue: 20.4 (Pentagon 4)

Date: Friday July 3, 3.30–5.30 pm

Speaker: Asst Professor William Bechtel, Department of Philosophy, Georgia State University.

Topic: Connectionism versus Rule and Representation Accounts of Mind: Can They be Made Compatible?

Professor Bechtel has focussed on the history of bio-chemistry and cell biology as well as the philosophy of psychology. His most recent work in the latter area has been on the relevance of parallel distributed processing systems (or connectionist systems generally) to our understanding of the attempts to explain mental phenomena.

Venue: 20.4 (Pentagon 4)

Date: Friday July 17, 3.30 – 5.30 pm

Speaker: Professor Les Goldschlager, Department of Computing Science, Monash University

Topic: In What Sense Can Deterministic Machines be Said to Have Free Will?

Deterministic Machines with Free Will would be completely inconsistent to a traditional philosopher. It will be argued that both our feeling of free will, and the existence of free will, are consistent with determined machines, provided the complexity issues in computation are taken into account.

Peter G. Burton

Co-ordinator, ext 3505

### 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.

Wednesday July 22 – Associate Professor A. Lee, School of Microbiology, University of NSW

– *Campylobacter pyloridis*: dyspepsia and ulcers - Fact or Fiction.

Wednesday August 19 – Professor P. Reeves, Department of Microbiology, University of Sydney

– Genetics of O-Somatic Antigen: Highly Variable Surface Polysaccharide of *Salmonella*.

### 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.

### DEPARTMENT OF PHYSICS – SCHEDULE OF PUBLIC LECTURES

Held in Pentagon 3 (building 20.3).

Thursday July 30, 8 pm – Dr Barry Allen, Applied Physics Division, AAEC, Lucas Heights – Neutron Diagnosis in Therapy for Wasting Diseases and Cancer.

Thursday August 13, 8 pm – Dr Bill Zealey, Department of Physics, University of Wollongong – “From Here to Eternity” A Bird’s Eye View of the Universe by an Astronomer.

## THE PRICE OF BEING AUSTRALIAN

This is the 10th year of the operations of the Australian Broadcasting Tribunal and it marks significant changes in television in Australia, changes central to the future operation and programming of television in this country. It is the year leading up to Australia’s Bicentennial – time to start really focussing on the ‘Australian-ness’ of Australian television and time to count the cost.

In recognition of the landmarks the ABT is holding a two-day conference on August 31 and September 1 to discuss ‘The Price of Being Australian’.

Topics covered will include:

- \* Keynote address: What it means to be Australian.
- \* The selectors – why do we get what we see and hear?
- \* What the demographics say.
- \* What the surveys show.
- \* What regional Australia says.
- \* Keynote address: Preserving the indigenous culture.
- \* What do the interest groups say?
- \* Keynote address: The commercial reality of buying Australian.
- \* Is regulation really necessary?
- \* Who pays – public or private?
- \* The co-production Question.
- \* Crystal ball time – what’s the future?

The conference will be held at the Glenview Inn, Pacific Highway, St Leonards. Cost is \$250 and covers all confer-

Enquiries should be directed to Jill Nash, Conference Organiser, ABT, PO Box 1308, North Sydney, NSW, 2060.

## INTERNATIONAL INSTITUTE OF COMMUNICATIONS SYDNEY CONFERENCE

Special rate for academics. For the Sydney Conference, IIC Executive Director, John Howkins, has agreed to a registration fee for academics of \$300 – the same rate as members without institutional support, payable to the IIC in London. Please indicate your academic status on the conference registration form.

The registration fee covers attendance at all conference sessions and social functions, including two receptions, dinner and harbour cruise with lunch.

Further enquiries to John Challis, ABC Sydney, phone (02) 3565304.

## Research News

### AUSTRALIAN INSTITUTE OF MANAGEMENT GRANT

Professor Julian Lowe from the Department of Management at the University has been awarded \$5000 by the Australian Institute of Management for a research program to investigate Management Training in Illawarra. Aims of the project are:

- i) to assess the nature, role and resource costs of management training in local companies;
- ii) evaluate the impact of different types of training on company and individual performance;
- iii) identify organisational and structural, and strategic factors associated with successful and unsuccessful programs;
- iv) assess total resource costs of training programs in the context of performance.

### ARGS FORUM

The Chairperson of the Australian Research Grants Committee, Professor Don Aitkin, will visit the campus on July 3. A forum to allow interested persons to ask questions in relation to ARGS applications and fundings will be held from 2 pm to 3.30 pm in the new Engineering Science Building, building 35, ground floor, south wing, room G45. Everyone welcome.

## Concerts, Exhibitions and Entertainment

### SECOND TWILIGHT CONCERT FOR 1987

Second Twilight concert for 1987. Union Hall Friday July 3, 6 pm. Featuring Zhao Qian (Violin) and Frangcon Davies (Piano).

The program will include: Bach, Beethoven, Vieuxtemps, Szymanowski and Wieniawski.

Admission is \$4, \$2 concession. Tickets can be obtained at the Union Office, or by phoning the Union 297833 or ext 3782.

Tickets will be on sale at the Union Box Office 30 minutes before the Concert starts.

### SCHOOL OF CREATIVE ARTS

Friday July 24 at 8 pm

SCAW Ensemble conducted by John Wayne Dixon  
Peter Maxwell Davies — Renaissance Scottish Dances  
John Wayne Dixon — Champagne Flutes, Three Emily Dickinson Songs

David Bedford — With a Hundred Kazoos

Admission: \$5, concession \$3

Friday August 21 at 8 pm

SCAW Ensemble conducted by Andrew Schultz

Edgard Varese — Ionisation Density 21.5

Karlheinz Stockhausen — Stop

Terry Riley — In C

Admission: \$5, concession \$3

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

### ILLAWARRA MUSIC CLUB 1987 CONCERT SERIES

Friday August 28 — University of Wollongong Union Hall at 8 pm. Illawarra Mercury National Operatic Aria Competition Semi-Final.

Saturday August 29 — Wollongong Town Hall at 8 pm. Illawarra Mercury National Operatic Aria Competition Grand Final Concert.

## Book of the Week

### CREATING POETRY

*Ron Pretty, Senior Lecturer, School of Creative Arts. (Edward Arnold).*

### BOOK REVIEW

I liked it. I'll buy it and use it. Highly recommended. I know this sort of summary usually comes at the end of a review but I wanted to write this immediately because this was my first impression. Reviewing English textbooks is a funny business. You read so much that is ordinary or dull or just plain useless; books like *Creating Poetry* stand out as quality productions. The book overflows with uses. The author's enthusiasm and vitality are matched by the good paper, clean lines and precise setting out. The book is pitched at seniors but much of it could be used in the 7-10 classroom. It covers some familiar areas but contains much that is new and exciting, from exploding myths about poets to getting started. The author doesn't leave it all to the students either but writes his own poems as well. I've found two poetry books that are great in the classroom, *A Book to Write Poems By* and *A Phantom Script*. *Creating Poetry* can make that a trio!

Deb McPherson

*('Education' — Journal of the NSW Teachers Federation)*

## riends

## Campus Community Interface

July:

Sunday 5 — Commonwealth Bank High Schools Chess Tournament, 1pm to 6 pm, Union Cafeteria

Friday 17 — Community Involvement Committee, 5.30 pm, New Town Hall Committee Room.

August:

Sunday 9 — Town v Gown Rugby Match (Gown defending champions), University Oval No. 2.

Wednesday 5 — Graduates Group, 6 pm, building No. 36 room 303

Wednesday 12 — Projects Committee, 5 pm, building No. 36, room 303

Friday 14 — University Day Address, 6 pm, Union Hall.



The seven pairs of volunteer hands belong to (left to right) Gwen Deighton, Eddie Deighton, Hannah Nethery, Simone Woodcock, Fred Hickson, Nancy Core and Ella Kirkwood

### THE GOOD MAIL ON UNIVERSITY FRIENDS

The Friends of the University Senior Citizens Working Group are very busy at the moment mailing the 8000 copies of the June edition 'University Gazette' and its companion volume 'Graduates Gazette'. The task takes the volunteers about three weeks. Due to delays in the Mail Room the April edition of the Gazette has only just gone out.

The Friends volunteers also prepare other University publications for mailing, including 'Campus News', 'The Annual Report' and other one-off mailings throughout the year.



## General Notices

### HOSTEL WILL RELIEVE STUDENT ACCOMMODATION SHORTAGE

The University of Wollongong has purchased the former Fairy Meadow Migrant Hostel from the Commonwealth Government for \$1.6 million.

The Illawarra Community Housing Trust is currently occupying part of the property and the University has agreed the trust will continue to have occupancy for up to three years. The Migrant Education Service, which provides English classes, will also continue to have use of the facilities until alternative accommodation is provided by the Commonwealth, early in 1988.

The site is also used by the Vietnamese community and St Johns Ambulance. The University will hold discussions with these groups regarding their continued usage.

The Commonwealth Tertiary Education Commission has undertaken to provide \$1 million to assist the University in acquiring the property.

The University will spend a further \$500,000 of its own resources before the end of the year to modify and renovate some of the buildings to provide residential accommodation for 90 students from the beginning of the 1988 academic year.

Mr Ken Baumber, the University Secretary, said 'The University is pleased to have acquired the property. In particular it has the potential to relieve the shortage of student accommodation, which has become acute over the last few years with the rapid growth in student numbers that the University has experienced.'

Mr Baumber added that the University will discuss with Wollongong City Council the future development of the site.

### SPECIAL ADMISSIONS TIME AGAIN

A Special Admissions Test (SAT) for admission to the University of Wollongong in 1988 will be held on Saturday, July 11.

The Special Admissions Test gives applicants, who do not have the normal admission qualifications and who will be over 21 by June 30, 1987, the opportunity to apply through the Universities and Colleges Admissions Centre to undertake studies at degree or diploma level.

The SAT began in 1974. Since its inception, more than 1500 people, mainly residents of the Illawarra, have had the opportunity to undertake University level studies. Success stories include people who are now working as psychologists, social workers, teachers, accountants, managers, economists, computer scientists and engineers. Our first nurses with a SAT background will soon be graduating.

To arrange to have an application sent to you contact Student Enquiries (042) 270927, by Friday July 3. A \$15 fee is payable when submitting a SAT application. An example of a previous SAT paper will be provided after applications are received.

### DISCUSSION GROUPS ON ISSUES AFFECTING OUR LIVES

I See You/You See Me: Cross-Cultural Interaction. Commencing July 20 – 6 sessions.

Technology and Social Change: Literary Perspectives. Commencing August 11 – 5 sessions.

Australia and Her Neighbours: A Literary Journey. Commencing September 7 – 6 sessions.

Discussion groups on issues affecting our lives will be conducted by Dr Kirpal Singh, Visiting Senior Lecturer/Writer-in-Residence, The University of Wollongong.

Further information from the Centre for Continuing Professional Education, The University of Wollongong. Telephone (042) 270484 or 270531.

## TAX INCENTIVES FOR ART DONATIONS

The University of Wollongong encourages donations of works of art to its permanent collection by making potential donors aware of the Taxation Incentives of Arts Scheme.

Under this scheme donors may be eligible for a taxation deduction up to the full market value of their donated works.

Donations may be in the form of a work of art or a sum of money which the Arts Advisory Committee will use to purchase one or more pieces of work. All donors will be acknowledged by a plaque alongside their donation.

The Arts Advisory Committee has been in existence for two years. Since 1985 90 new works have been purchased, including a large wood carving 'The Embrace', six etchings of the steelworks by a Sydney artist, two ceramic bowls and a glass-topped table on display in the Administration Building which has attracted considerable comment.

The University's Art Collection has been augmented by several donations of artworks. A William Peascod painting entitled 'Red Ridge 2' was donated by the late John Ansell in early 1986. A bronze sculpture of the campus figtree was donated by Ethel Hayton, a member of the Friends of the University. Six drawings of the steelworks on display in the new Engineering/Science building were donated by artist John Eveleigh.

Also in 1986, Edgar Beale, a former member of the University Council, donated three 19th century watercolours by W. Forster, and a lithograph of Crown Street, Wollongong. Another valued donation is that by Guy Warren of his 1985 Archibald prize-winning portrait of Bert Flugelman (confirmation of the donation pending resolution of taxation matter).

The most recent donation is that by Mr Eveleigh who has donated the painting 'The Wastemaker' by his son, Aldous Eveleigh.

Coloured postcards of selected works in the Permanent Collection will soon be available for purchase. It is hoped these will generate wider interest and appreciation of the University's Art Collection.

A pamphlet entitled 'Taxation Incentives for the Arts' is available from the Secretary of the Arts Advisory Committee, Jan Sullivan, Administration, ext 3480.

### 1988 – 1990 TRIENNIUM BUDGET SUBMISSIONS

Planning and Development Committee will commence considerations of the Draft Budget for the 1988 to 1990 Triennium at its meeting to be held on September 16.

The various budget units are reminded of the notice to this effect, sent to them by Mr J W Langridge, Secretary to the Planning and Development Committee, inviting them to submit requests and supporting documents in relation to recurrent expenditures and equipment needs for teaching purposes.

Budgetary units are reminded of the need to ensure their submissions reach Mr J W Langridge NOT LATER THAN Monday, August 17.

Further information please contact Susan Smith on ext. 3919.

### ALEXANDER TECHNIQUE WORKSHOP

Due to the overwhelming response of participants in the Alexander Technique workshop another workshop has been planned for Saturday and Sunday July 11-12 from 10 am to 4 pm at the University.

Numbers will be limited to 18 and the cost is \$750. Enquiries should be directed to the Co-ordinator, Centre for Continuing Professional Education, The University of Wollongong, PO Box 1144, Wollongong. Telephone (042) 270484 or 270531.

## General Notices

### CONSTRUCTION OF SCIENCE LABORATORIES AND STORE

Tenders are invited for the construction of the proposed first year Science Laboratories and the Central/Bulk Store, both structures being located in the area between the south side of the present landscape office/yard and the north side of the service road adjacent to Building No. 35.

Construction is expected to commence from July 10 and the construction period is estimated to be about six months. The site will be fenced off and no parking will be available for staff or students within the site.

### LEARNING TO SKI

Sylvia Rice, lecturer in the Faculty of Education, will trial her curriculum of ski instruction for very young children at Falls Creek Ski School, Victoria, during the coming vacation. Miss Rice developed the curriculum over several years of teaching three to seven-year-olds with the ski school in her vacations. The blending of an educational philosophy appropriate to small children with the technical demands of skiing has been described as an international first. The curriculum uses play and images to create an understanding of necessary movement concepts and to develop motor skill and confidence in the basic techniques of skiing.

Miss Rice will have as her research assistant, Miss Kerry Lee, a student presently enrolled in the Bachelor of Education (PE&Hlth) degree course. Miss Lee is an experienced instructor who gained her accreditation through the demanding and competitive Austrian system.

Her brother, Steven Lee, who will be the photographer for the research project, has represented Australia in all alpine disciplines for several years in international and olympic competition. He was the winner of the World Cup Super Grand Slalom at Furano in Japan in 1985.

### VISIT BY REPRESENTATIVES OF THE BOND UNIVERSITY

Bond University is currently considering the computing needs of its administration. The strategy that has been decided upon is to pick up existing software from other institutions rather than develop their own from scratch.

With that in mind Bond University's IBM marketing representative in Brisbane, Ralph Hunt, arranged for John Ford, Secretary of the Advisory Committee, and Bruce Calder, Manager, Group Information Systems, Bond Corporation, to visit the University of Wollongong on June 19.

Discussions were held with Mr Jim Langridge, Deputy University Secretary, and Mr Jeff Balkwell, Head ADP Unit, and presentations on the Student Record System, Payroll/Personnel System, and Finance System were given by members of the ADP Unit and users of the systems.

### LABOUR MARKET, UNEMPLOYMENT AND WELFARE

Long-term trends and some dynamic elements of urban unemployment will be among the main topics at the ANZAAS Congress in Townsville this year, according to Dr H. Sohn, Convenor of the Economics Section of the Congress.

Dr Sohn, James Cook University, said one of the four interdisciplinary joint sessions with economics will have speakers on several aspects of unemployment, welfare issues and some training programs and their application to Queensland and North Queensland economy in particular.

At this session, Dr Sohn says analytical aspects of living standards in Australia will be also exposed to inform the community of remote regions such as North Queensland, and some lively discussions will be expected on the inter-related issues of the labour market and social welfare.

### CHILDREN'S GYMNASTICS

As part of its community outreach activities, the University is offering classes in recreational gymnastics for children in classes K-6. Broadly-based movement experiences will be provided through the medium of gymnastics. The program emphasises co-ordination, balance, kinaesthetic awareness, confidence and enjoyment. Activities are developmental and recreational rather than competitive.

Children will be instructed by Human Movement, Sports Science and Physical Education students under the supervision of Mrs Alison Milburn (280190). Numbers will be limited.

Venue: Physical Education Gymnasium adjacent to new Administration Building.

Time: Thursday 4 - 5 pm

Dates: July 30 - August 20; September 10 - September 24; October 15 - October 29

Cost: \$20 per semester (first child, \$10 additional family members).

Send: Application form with fees to: Children's Gymnastics, Human Movement and Sports Science, University of Wollongong, PO Box 1144, Wollongong, 2500.

### HIGHER SCHOOL CERTIFICATE WINTER VACATION PROGRAM

This program will be held July 6 to 10 at The University Pentagon.

The Winter Vacation Higher School Certificate program has been offered specifically for those students sitting for the Higher School Certificate in 1987.

For those students living in Wollongong it will be possible to attend on a daily basis. However, for students who live too far from the University, accommodation is available in single rooms at Weerona, Hall of Residence, at a cost of \$30 per night. This cost includes dinner, bed and breakfast and is available from Sunday July 5. Lunch is available at the University cafeteria.

Lecturers for each subject have been selected from teachers suggested by Department of Education Subject Consultants, and are either consultants or teachers in their specialised fields. Each subject will be timetabled for two sessions of three hours each, and the cost for the two sessions is \$10.

As part of the program for the Winter Vacation School, courses aimed at providing additional skills for students attending the program will be offered also. These are 'How to Write an Exam Essay' and 'Study Skills'. The cost for these two courses is \$4 each.

The program is principally designed for Year 12 students. However Year 11 students are welcome to attend. 'Study Skills' and 'How to Write an Exam Essay' will be particularly beneficial to all students.

Further information from The Co-ordinator, The Centre for Professional Continuing Education, The University of Wollongong, PO Box 1144, Wollongong, 2500. Phone: (042) 270 531.

## Advertisements

### WHO LOVES RUGBY?

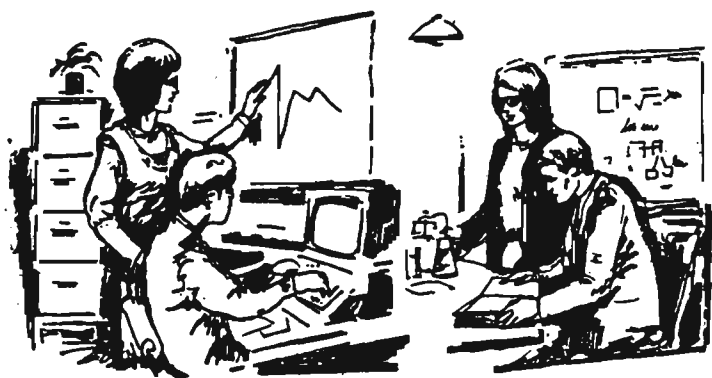
Who loves rugby? Likes recruiting players? Enjoys the challenge of building a strong club? Wants to work with a progressive committee on winning premierships?

The University of Wollongong Rugby Union Club WANTS YOU as our Rugby Development Officer for 1987-1988.

An honorarium will be paid to reflect the club's commitment to this position.

Apply in writing to: The Secretary, University Rugby Union Club, PO Box 1144, Wollongong 2500.

Applications close July 20, 1987.



## Staff Roundup

### TAX TIME!

This issue of *Campus News* sees the end of the financial year and, of course, group certificates are due to be issued. The Salaries Section will be working hard after the last pay in June to tally it all up and they hope to distribute group certificates by the end of the second week of July. Any queries can be directed to Salaries, ext 3930, between 2 pm and 4 pm daily.

### CURRENT VACANCIES

Carpenter/Joiner (limited term), Planning and Construction, closing date July 3.

Secretary, Planning and Marketing, closing date July 3.

Senior Administrative Officer (Careers and Appointments), Student Services, closing date July 3.

Project Officer (limited term), Healthy Cities Project, closing date July 10.

Lecturer (limited term), Philosophy, closing date July 10.

Lecturer (limited term), Economics, closing date July 17.

Lecturer/Senior Lecturer in Drama (limited term), English, closing date July 17.

Lecturer/Senior Lecturer (tenurable or limited term), Languages, closing date July 17.

Lecturer/Senior Lecturer in Statistics (tenurable or limited term) (2 positions), Mathematics, closing date July 31.

Lecturer in Quantitative Psychology (limited term), Psychology, closing date July 31.

Lecturer (tenurable or limited term), Science and Technology Studies, closing date July 31.

Associate Professor (tenured), Computing Science, closing date July 31.

Lecturer/Senior Lecturer (tenurable or limited term), Computing Science, closing date July 31.

Further details on the top four vacancies contact Gary Graham (ext 3935) or Ross Walker (ext 3934) for the remaining positions.

### STAFF CHANGES

#### NEW STARTERS

Mr G.J. Parsons, Patrol Supervisor, Maintenance and Services

Ms K.M. Harriss, Office Assistant, Office of Research and Postgraduate Studies

Ms H.L. Visser, Office Assistant, Faculty of Education

Ms L. Sandy, Secretary, Physics

Ms K. Bell, Incremental Clerk, Student Services

Ms C. Scott, Incremental Clerk, Student Services

Dr R.L. Flower, Research Associate, Biology/Health Sciences

#### DEPARTURES

Mrs J.M. Hodge, Clerk, Student Services

Mr D. Stone, Computer Trainee, Computer Centre

Mr K.J. Ausburn, Visiting Senior Lecturer, Physics

## PERSONNEL BECOMES COMPUTERISED

Commencing July 1 a new integrated payroll personnel system will be introduced.

Due to the necessity to parallel run the existing and new system for approximately two months, payroll cut off times will be crucial and strictly adhered to.

As a reminder cut off times are:

**Permanent Payroll.** Any changes or variations to reach Salaries not later than noon on the Monday following a pay day. For overtime not later than noon on the Tuesday following pay day.

**Casual Time Sheets.** Time sheets to reach Salaries not later than noon on the Tuesday preceeding pay day.

**Part-Time Teaching.** Returns to reach Salaries not later than noon on the Monday preceeding pay day.

### STAFF SURVEY

In line with the computerisation, staff who have not received, or who have not yet returned a completed staff survey are requested to contact Miss J. Hickey, ext 3935, from Personnel Services Branch.

Prompt return of the surveys would be greatly appreciated.

Further details from Bob Hogarth, ext 3934.

## EEO news...

Applications are called from general staff women interested in serving on the Equal Employment Opportunity Committee. A vacancy has been caused by the resignation of Sue Sallans from the service of the University.

The EEO Committee operates as a broadly based advisory committee representing members of target groups as well as other interested groups affected by equal employment initiatives and meets as required, but not less than once per session.

Nominations close on July 10.

In other news, the Equal Employment Opportunity annual report was endorsed by Council at its meeting on June 12 and was delivered to the Office of the Director of Equal Opportunity in Public Employment on June 17.

The EEO Unit's appreciation is extended to all staff, particularly those in Personnel Services Branch, who contributed significantly to enable the report to be compiled and completed on time.

A copy of the report will be forwarded to all departments and sections of the University shortly and a summary of the report is being compiled for distribution to all staff.

## 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 Lecturer in Chinese Language (tenurable), Centre for Asian Studies

ANU Postdoctoral Fellow/Research Fellow (2 positions), Research School of Biological Sciences, Developmental Neurobiology Group, Molecular Biologists

Postdoctoral Fellow/Research Fellow, Plant Environmental Biology Group

Tutor/Senior Tutor in Japanese, Faculty of Asian Studies, Japan Centre

James Cook Lecturer in Music Education, Department of Language and Arts Studies in Education

Massey Professor of Education