

# THE UNIVERSITY OF WOLLONGONG

# CAMPUS NEWS



Distributed each Tuesday

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of previous week

Editor: George Wilson, Tel. (042) 270926

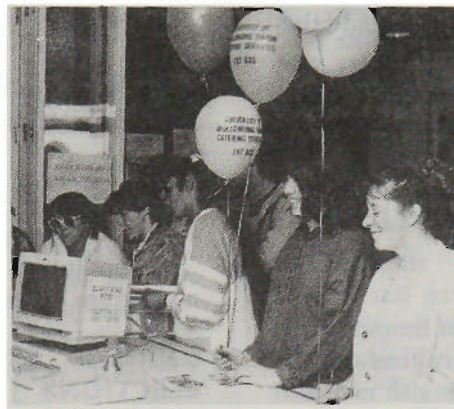
6 September 1988

## AN OUTSTANDING SUCCESS

### *University Open Day*

Open Day at Wollongong University – on Sunday August 28 – was by any standard a total success. The event attracted an estimated number of between 9,000 and 11,000 visitors.

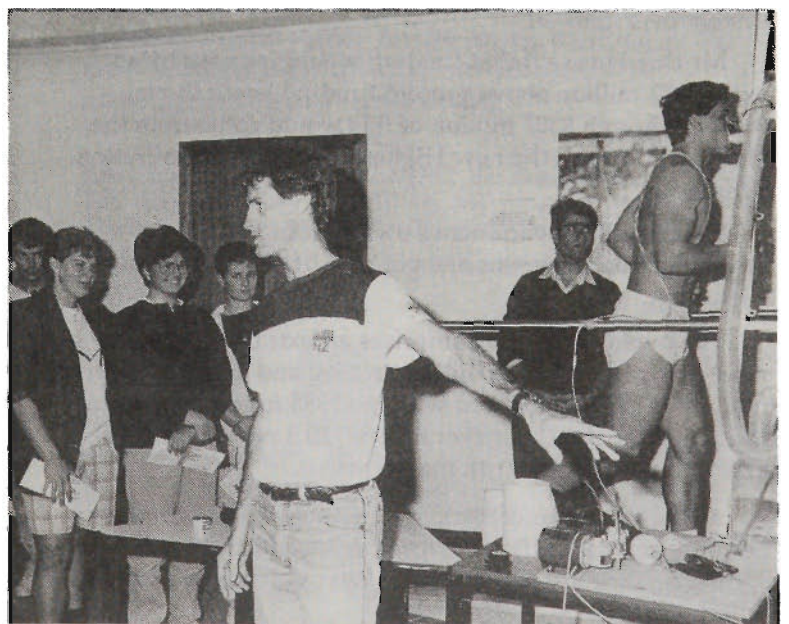
While Open Day traditionally draws large contingents from Sydney, the *tout ensemble* from the state capital appeared on this occasion even stronger than usual. One visitor, Mrs Joan Hill, from the Sydney suburb of Artarmon, remarked to us that one reason for this was that so much seemed to be happening here – that Wollongong University 'always seemed to be in the news'.



*Staff at the Course Inquiry Centre were besieged throughout the day, dealing with inquiries from hundreds of tomorrow's students, about entry to the University*

Many of the influx, were youngsters, not all of them accompanied by their parents, and at Wollongong to research the University as a potential place for tertiary study. Marilyn Johnson from Planning and Marketing attributed this influx, in part, to the frequent representation at Tertiary Information Days – and recruiting visits paid to secondary schools by University staff.

The staff of four at the Course Inquiry Centre in the Administration Building were besieged, working with their backs to the wall, dealing with inquiries from potential students. The



*Left: All is now told. As this mini-student discovered, Biology does have a skeleton in the closet. Above: The monitored athletes and the 'moving pavement' in Human Movement proved attractive to visitors for virtually the whole of Open Day*

*continued on back page*

# General Notices

## Industrial interaction symposium

In what we believe to be a novel initiative in Australia, the Department of Chemistry on August 19 hosted an Industrial Interaction Symposium at The University of Wollongong. Fourteen representatives from a broad spectrum of industrial organisations involved in chemical and pharmaceutical research and development attended. The purpose of the meeting was to expose these organisations to the staff, ideas, and research activities of the Chemistry Department, and to explore the possibilities for collaborative interaction of mutual benefit.

Companies represented included Wellcome Australia Ltd, Travenol, Lilly Industries, CIG, Conzinc Riotinto Australia (CRA), BHP (Central Research Labs), BHP (Coated Products), the Defence Department, and Muswellbrook Energy and Minerals Ltd. Particular emphasis was placed on organisations based outside the Illawarra, with visitors coming from Sydney (six),

Newcastle (four), and as far afield as Melbourne (three).

The morning program, which was also attended by the academic staff of the Chemistry Department, was held in the Illawarra Technology Centre. The symposium began with an overview of the Department of Chemistry by Professor Leon Kane-Maguire, followed by presentations by Dr Gordon Wallace on 'Effective Collaborative Research' (the title of a book he has recently completed) and Mr Ian Carter on the role of Uniadvice in the University's commercial activities. A tour of the ITC building by Kathleen Iacurto provided an interesting interlude.

After lunch, the visitors were taken on a two-hour tour of the Department's facilities. Displays by academic staff gave a detailed outline of our major research interests and activities. Staff were extremely pleased with the positive interest and response shown by the visitors throughout the day. In several cases, it was the first time that the companies involved had become aware of relevant activities being carried out at the University.

Already a number of useful follow-up contacts has been made. We believe the exercise to have been very productive and worth while, and we plan a further symposium within the next six months.

Leon Kane-Maguire  
Professor of Chemistry

## Major Education Initiatives in Federal Budget

More than 40,000 extra places by the end of the next triennium and the best capital funding since the late 1970s are centrepieces of a Federal Budget which also marks the end of free higher education in Australia.

The higher education details of the Budget, amplified in a separate statement released by the Minister for Employment, Education and Training, Mr Dawkins, on Tuesday August 23, include a commitment to expand the system over 1989-91.

Mr Dawkins said that funding would increase by an extra \$843 million above present funding levels in real terms, although \$307 million of this would come from the students, through the new Higher Education Contribution Scheme.

Even so, the government's own funding for higher education will represent one per cent of GDP over the triennium.

The overall increase comprises an extra \$141 million next year; an extra \$275 million in 1990 and an extra \$427 million in 1991. Compared with the 1988 funding base, this is an increase of 5.3 per cent in 1989; 10.3 per cent in 1990 and 16 per cent in 1991 in real terms.

About 100 major construction grants will be started or be completed over the next three years and there will be a special dollar-for-dollar program next year to renovate old buildings.

New students will be funded at an average cost with the funding levels increasing on average by 14 per cent in real terms. The average rate will be \$8000 per EFTSU, representing, in Mr Dawkin's words, 'a move away from past levels of marginal funding'.

AUSTUDY and ABSTUDY benefits will be improved and the government will introduce an assets test.

Other initiatives include two new equity programs and a program to assist low-cost student residences.

### UNION BOARD OF MANAGEMENT ANNUAL ELECTIONS

In the elections held on Wednesday August 17 and Thursday August 18, to elect five people from the membership of the Union, votes were cast as follow:

| <i>Candidate</i>           | <i>First Preference<br/>Votes Cast</i> |
|----------------------------|--|
| Ahnantakrishnan, Jeyananda | 158                                    |
| Barratt, Craig             | 144                                    |
| Brown, Stephen             | 119                                    |
| Lim, Kim                   | 55                                     |
| Mantellato, Sergio         | 38                                     |
| Lord, Peter                | 32                                     |
| Wilkins, Mark              | 22                                     |
| Callahan, Stacey           | 20                                     |
| Cook, Alex                 | 16                                     |
| Vizzard, Michelle          | 16                                     |
| Hafey, Alex                | 14                                     |
| Kilminster, Darren         | 11                                     |
| Brown, David               | 10                                     |
| Informal Votes             | <u>21</u>                              |
|                            | <u>676</u>                             |

I declare the following candidates elected in accordance with Clause 6.1(b) of the Constitution of the Union, to serve for a period of two years from the first Board Meeting in September 1988:

Jeyananda Ahnantakrishnan  
Craig Barratt  
Stephen Brown  
Kim Lim  
Sergio Mantellato

Noel Diffey  
Returning Officer

# Election of Members of The University Council

Nominations are called for election of the following positions on the University Council. Names of retiring members are given in brackets:

1. One student member (Mr D. Brown)
2. Two members elected by Convocation (Mr J.W. Dombroski and Dr W. Mitchell)
3. Three academic staff members (Dr M.J. Lowrey, Professor M.G.A. Wilson and Mr W. Mowbray (Inst.))
4. One general staff member (Ms M. McGregor)

Nominations close on October 7 for staff, October 11 for students and October 14 for Convocation.

Detailed notices of election will be displayed on several University notice boards and, for the student and Convocation elections, will be advertised in the *Illawarra Mercury* and *Sydney Morning Herald* on Saturday September 24.

For further details contact Ms Marie Cooper (ext 3947).

K.E. Baumber  
University Secretary

## XXIV INTERNATIONAL CONGRESS OF PSYCHOLOGY

The 24th International Congress of Psychology, held in Sydney, attracted over 2,000 psychologists from, virtually, the world over.

Academic members of The University of Wollongong associated with the Congress, (which began on August 28 and ended on September 2) were Professor R.C. King, Chairman of the Congress Committee, Professor W. Lovegrove, Symposium Convenor, 'Visual Factors in Learning Disabilities', Associate Professor Linda L. Viney, Symposium Convenor, and Ms Helen Paulucci, APS Prizewinner, who presented a paper.

The Scientific Program was by far the largest of the 24 International Congresses, with around 80 keynote and invited speakers, and 164 symposia, 39 workshops, over 1500 individual papers and 23 satellite meetings. In all, the Congress had over 2600 papers, with presenters being drawn from more than 50 countries and contributions representing virtually every special interest in basic and applied Psychology.

The opening ceremony and welcoming activities took place in the Sydney Opera House, and most of the Scientific Program was conducted at the new Sydney Convention Centre on the harbour, at the University of Technology, and at the University of Sydney.

### KEEP AN EYE ON THE CALENDAR

Despite details for the timing of copy for *Campus News* appearing on page 1 each week, we continue to receive material arriving too late for publication. This is particularly unfortunate in the case of seminars and other events, attendance at which, we are assured, depends largely on details appearing in our pages.

Deadlines for the issue dated September 20, is noon on Monday September 12. One has to allow seven **working days** between delivery of copy and publication....

## Further honours for Professor Worner

During the month of August Professor Howard Worner, Director of the Microwave Applications Research Centre, received honours for his work in two very different fields.

On August 15 the Newcastle Branch of The Australasian Institute of Mining and Metallurgy conducted a 'Howard Worner Symposium' to recognise Professor Worner's contributions to advances in pyrometallurgy (high-temperature smelting and refining). One hundred and twenty four metallurgists from all over Australia attended, many of them former students, colleagues or associates of Professor Worner. This is only the fifth time that a symposium has been named in recognition of a living metallurgist.

On August 31 a similar function was held in Melbourne to pay tribute to Professor Worner's initiation of research in this country into dental and surgical materials. The pioneering work began in 1938 in the Metallurgy and Dental Schools of the University of Melbourne.

Professor Worner has been awarded the Allan Docking Medal of the International Association for Dental Materials Research.

## POSTGRADUATE TRAINING IN PNG

Senior Papua New Guinean diplomat, government advisor and novelist, Sir Paulias Matane, visited The University of Wollongong on August 5 for discussions about plans for postgraduate training in international relations. He presented a seminar to politics students on the United Nations and from experiences as Permanent Representative of Papua New Guinea and Vice President of the General Assembly. Sir Paulias also lunched with members of the New Literatures Research Centre and shared his views on writing. Once a teacher, Sir Paulias has found time, amidst his onerous official duties, to produce novels and radio stories for the young, building on the oral traditions of his country, and has published autobiographical and travel writing.

*From left: Dr Paul Sharrad, NLRC, Sir Paulias Matane, Professor Ted Wolfers, History and Politics, and Associate Professor James Wieland, Director, NLRC. See 'Postgraduate Training in PNG'*



*more general notices overleaf*

## ANDREW SCHULTZ WINS OPERA COMPOSER MAJOR AWARD

Andrew Schultz, lecturer in the School of Creative Arts, has been awarded the inaugural Australian National Opera Composer Award. Schultz's work was chosen by a distinguished panel of judges from a large range of nationally prominent composers. The award, which carries prizes of over \$12,000, was coordinated by the Australian Music Centre with funding provided jointly by the Performing Arts and Literature Boards of the Australian Council.

The form of the award is a commission to create a one-act opera to be performed by Opera Ensemble in Sydney at the end of next year.

The opera will be a collaborative project with his sister, Julianne Schultz, as librettist. Julianne is a senior lecturer in journalism at the University of Technology and the author of books including *Steel City Blues*.

Their opera, entitled *Black River*, will be set in a prison lock-up in a small Australian country town isolated by rising flood waters.

Andrew Schultz is also working on another large music theatre project, with the prominent writer Louis Nowra, for Australian baritone Garrick Jones.

## DO MINERALS HAVE MEMORIES?

Public lecture by Professor Howard Worner, Music Auditorium, Wednesday September 14, 12.30 – 1.30 pm.

'Gems and minerals occur in nature in the most fascinating variety of forms and colours. Sometimes they appear to mimic flowers and plants and even human organs. On other occasions they appear to have suffered the most terrible distortions and are anything but symmetrical. An experienced gem and mineral collector can frequently tell from whence a mineral has come just as we can tell the origins of human beings by their faces.

How do inanimate minerals get their growing instructions?'

## UNIADVICE COURSES

The following course initiatives are being offered by Wollongong Uniadvice Ltd, the consulting arm of The University of Wollongong: How to Operate a Successful Computer Bureau at Home (Saturday and Sunday, October 1 and 2); Management Skills for Business (October 1 and 2); How to Succeed in a Home-based Business (Saturday and Sunday, October 15 and 16).

Details of all three courses are available from Mr Graham Frost, telephone (042) 27 0956.

## PUBLISHED PAPER

Alison Elliot, 'Preschoolers' Interactive Behaviours while Participating in Computer-based Learning Activities: Some Preliminary Findings', in (eds) F. Lovis and E.D. Tagg, *Computers in Education*, North Holland, Elsevier Science Publications, BV. Ms Elliot is a lecturer in the School of Policy and Technology Studies in Education.

## VICE-CHANCELLORS URGE LIBERALISATION OF IMMIGRATION RULES ...

The Australian Vice-Chancellors' Committee has urged the Federal Government to liberalise immigration rules for overseas academics who take temporary appointments in Australian universities.

The AVCC has recommended that migrant entry and resident status be extended to senior academics on certain types of fixed terms.

In a submission to the Department of Immigration, Local Government and Ethnic Affairs, the AVCC said that the present policy did not reflect changing circumstances.

At present, overseas academic staff appointed to temporary positions are excluded from migrant entry or grant of permanent resident status. The policy was framed at a time when most senior appointments were on a permanent basis and contract appointments were made where there was little chance of ongoing employment being available. The Department recently launched a review of this policy because of the increased use of contract employment in universities and colleges.

In its response, the AVCC said that fixed-term appointments were now generally made for the most senior academic appointments of vice-chancellor, deputy vice-chancellor and pro vice-chancellor. They were also common for positions such as dean, director of centre and director of institute.

Perhaps half of appointments at this level in universities were fixed term with, subject to review, many allowing for reappointment, for a second term.

The AVCC said that universities and colleges were increasingly making fixed-term appointments at the level of reader, associate professor and principal lecturer.

This trend was likely to increase because of the greater flexibility being demanded of higher education institutions; the establishment of industry-funded posts and joint appointments with industry for fixed terms.

Another factor was the funding of senior posts with income from research consultancies and other private sources which could not be guaranteed for life but which could be extended for substantial periods if funds were available.

The response said that the existing immigration policy assumed that appointments were either tenured or for a short fixed term. But staffing practices had changed, with some fixed terms being for five to seven years but renewable, subject to satisfactory review or subject to funding.

Also, there was an increasing number of fixed-term appointments, which were renewable indefinitely, subject to certain conditions.

The AVCC believed that migrant entry and resident status should be granted to people on tenured appointments; those who were probationally appointed to permanent positions; those appointed to renewable fixed term-appointments and those appointed to extended fixed-term appointments, that is, for more than six years.

## KOREAN FOR BEGINNERS

Course begins at The University of Wollongong on September 20 in the Training Room, first floor, Building 36.

The course is organised by Wollongong Uniadvice Ltd, Division of Continuing Professional Education, The University of Wollongong, and is essentially for students who wish to learn Korean quickly and effectively.

Lessons are composed of dialogues, notes on grammar and vocabulary, exercises and quizzes. Vocabulary and grammar have been limited to about one third of that typical of beginning courses.

Lecturer: Daniel Lee.

Fee: \$100 – class limit: 20.

Details from Course Co-ordinator, Uniadvice Ltd, The University of Wollongong, PO Box 1144, Wollongong NSW 2500. Inquiries: (042) 27 0956 or 27 0076.

# Research Funds

The sources of research funds given below are available to members of academic staff. Further information including application forms may be obtained from Kim Harriss (ext 3201). Intending applicants are reminded that all research applications must be forwarded through the Office of Research and Post-graduate Studies.

## NATIONAL TEACHING COMPANY SCHEME

The Commonwealth Department of Industry, Technology and Commerce has funding available to Australian-owned or based companies for employment of graduates in joint projects with Australian tertiary institutions. The scheme is designed to forge links between companies and tertiary education institutions and subsidise the cost of employing high-calibre graduates in projects to improve company performance.

Applications close with the University on September 20.

## WOOL RESEARCH AND DEVELOPMENT FUND 1989/90

The Australian Wool Corporation invites applications for Wool Research Fellowships at the level of \$30,000 p.a. The Fellowship has a duration of three years, and is established to enable qualified graduates or people with appropriate industry experience to undertake relevant wool-industry research and to gain further experience in wool research.

Applications close with the University on October 1

## AVCC VISITING FELLOWSHIPS - 1989

The Australian Vice-Chancellors' Committee invites applications for AVCC Visiting Fellowships. The awards are designed to cover visits of distinguished university scholars actively engaged in academic work, to facilitate visits between Australia and other specified countries.

Applications close with the University on October 17.

## CANADA-AUSTRALIA BICENTENNIAL RESEARCH AWARDS

Applications are invited for a Canada-Australia Bicentennial Research Award. A grant of \$25,000 will be awarded annually for the next five years to an Australian institution for an original research project centering on Canada or the Canada-Australia relationship.

Applications close with the University on November 16.

## WOOL RESEARCH AND DEVELOPMENT FUND 1989/90

The Australian Wool Corporation invites applications for the award of new Postgraduate Scholarships to start during the 1989 academic year for students not already supported within the Wool Research and Development Fund financed projects. Applications will be considered for awards in Wool Production, Harvesting, Raw Wool Marketing, Textile and Economic Research.

Applications close with the University on October 1.

## PREVIOUSLY REPORTED IN CAMPUS NEWS

|   | Internal Closing |
|---|------------------|
| Australian Sports Commission Programs                           | September 9      |
| Commonwealth Scholarship and Fellowship Plan 1989               | September 9      |
| Edgeworth David Medal   | September 16     |
| Pig Research Council Awards                                     | September 16     |
| Piero Fanti International Prize                                 | September 16     |
| CSIRO Postdoctoral Awards                                       | September 16     |
| Water Industry Research Awards                                  | September 16     |
| Royal Society of Victoria Medal                                 | September 16     |
| Australian Academy of Science Medals                            | September 16     |
| Worksafe Australia Research Awards                              | September 16     |
| Lillian Roxon Asthma Research Travel Grant                      | September 16     |
| Biomedical Postgraduate Scholarships                            | September 16     |
| Japan Society Exchange Program                                  | September 19     |
| Menzies Scholarships  | October 14       |
| Maxwell Ralph Jacobs Fund                                       | October 17       |
| Gowie Scholarship   | October 17       |
| Nursing Research Grants   | October 17       |
| Robert S McNamara Fellowships                                   | October 18       |
| Rebecca L. Cooper Medical Research Grants                       | October 28       |
| Benians Fellowships   | October 30       |
| Lionel Murphy Scholarships                                      | November 16      |
| Academy of Science China Exchange                               | November 17      |
| IDP Research Funding  | Any time         |
| Utah Foundation   | Any time         |
| Criminology Research  | Any time         |
| Pig Research Council -- Support for Eminent Visitors            | Any time         |
| MERA Project Grants   | Any time         |
| Clive and Vera Ramaciotti Travel Grants                         | Any time         |
| James N Kirby Foundation  | Any time         |
| Telecom Research Laboratories                                   | Any time         |
| NSW State Cancer Council  |                  |
| Travel Grants-in-aid  | Any time         |
| Spencer Foundation  | Any time         |
| Visual Arts/Craft Board   | Any time         |
| Earthwatch - Grants for Field Research in Science or Humanities | Any time         |
| Science and Industry Endowment Fund                             | Any time         |

## GRADUATION ON OCTOBER 13

The next graduation ceremony has been arranged for 2.30 pm on Thursday October 13. The ceremony will take place in the Sports Hall and awards will be made to graduands from all faculties by the Chancellor, Mr Justice Hope. The occasional address will be delivered by Dr G. Ramsey, Interim Chairman of the Higher Education Council of the National Board of Employment, Education and Training.

If you have any queries regarding the ceremony please ring Trevor Cuthbertson ext 3928, Moira Bowman ext 3360, or Marie Cooper ext 3947.

## THE FEDS AND ABORIGINAL TRAINING

It was recognised in the recent Federal Budget that Aboriginal people are still among the most disadvantaged groups in our community.

For its part, this University is investigating participating in a variety of training opportunities for Aboriginal people to develop skills which will help make them more competitive on the open job market.

The Federal Government over the past three years has undertaken a review of all Aboriginal employment and training programs and evaluated their effectiveness in meeting the government's objectives to increase the number of Aboriginal people in employment, raise the levels of skills in the Aboriginal community and to broaden the range of occupations in which Aboriginal people are employed.

Following the review, the Federal Government through the Department of Employment, Education and Training (DEET), has developed a number of training packages to assist organisations in providing employment opportunities for Aboriginals.

DEET provides a number of funding options available for the recruitment of Aboriginal staff under the various training schemes.

These include cadetships and technical traineeships, where cadets undertake courses on a full-time basis and participate in a structured program of on-the-job training in semester weeks and vacations. Under this scheme DEET funds the salaries of cadets and trainees to a maximum of nine months a year over four years. They also provide 50 per cent of the wages of apprentices for the full term of the apprenticeships.

There are also various other schemes available. DEET is very flexible and prepared to negotiate both on the type of program and the level of funding.

I would be happy to provide further details and help to negotiate with DEET on a suitable program for any academic department or administrative unit prepared to participate in the scheme.

Kathy Rozmeta, EEO Coordinator

## Campus Security

Since the previous report in *Campus News* on University security matters there have been a few incidents worth noting.

Some people are still ignoring regulations and signs in respect of speed limits on campus roads. Recently two people have had their parking privileges removed for speeding on campus.

Police were called to an incident on August 17 where students leaving classes were almost run down by visitors on campus for a function. Police have taken action against the people involved.

The University Crest was recently removed from the front gate near the roundabout. The crest has since been returned in good order. Its removal was a Foundation Day prank by students from the University of New South Wales. The University takes a dim view of such pranks, which can so easily cause damage to valuable property.

Theft of personal property continues to be a problem on campus. Please report all incidents to Security staff on extension 3936.

Parking remains a vexed question to many. Parking permits are a guarantee of vehicular access to the University and to the University's designated parking areas. They do not always guarantee a parking position in the most convenient location. However parking is always available in one of the car parks to the west of the ring road. We are aware that this often involves a walk but space in a more central location is at a premium and is reserved for future buildings.

G. Parson  
Security Supervisor

## Concerts, Exhibitions and Entertainment

### UNIVERSITY SINGERS AT BALGOWNIE

The University Singers will embellish the Annual Mass of Our Lady of Sorrows at the Mater Dolorosa Church, Balmoral Street, Balgownie, on September 15 at 7.30 pm.

The program will include three 'Ave Marias' by Stravinsky, Palestrina and Josquin des Pres and the famous 'Stabat Mater Dolorosa' by Palestrina.

### PREMIERE OF COLONIAL SYMPHONY, OPUS 19

The City of Wollongong Symphony Orchestra will present its third 1988 subscription concert in the IMB Theatre, Illawarra Performing Arts Centre, on Saturday September 17. The concert is an endorsed bicentennial activity, since it features the premiere performance of the Colonial Symphony, Opus 19, by the orchestra's music director, John Wayne Dixon. This 45-minute work was commissioned by the Bicentennial Committee for performance during the orchestra's 1988 series.

The Colonial Symphony uses a number of colonial folksongs as its thematic substance and is scored for large orchestra, chorus and three 'folksinger' soloists. However, the scoring is such that the choral sections can be detached, leaving a standard orchestral symphony as a performance alternative. The titles of the four movements are: 1. Botany Bay Bound; 2. Scherzo: 'Wild Colonial Boys'; 3. The Death of Ned Kelly; 4. Overlanders.

At the premiere on September 17, the conductor will be Edward Cowie, Professor of Creative Arts at The University of Wollongong, and the orchestra will be joined by the University Singers and soloists Leyla Nassif, David Aston and Scott Saunders as the folksingers.

The concert will also include the Elgar Cello Concerto, with international soloist Susan Blake, and the 'Fantasia on Greensleeves' by Vaughan Williams.

Tickets are available from the Performing Arts Centre box office. The orchestra's first and second concerts this year were both sold out well in advance, so those intending patrons are advised to be brisk with their bookings. Ticket prices are: adults \$11, concession \$8, family group (up to four) \$25. Inquiries to the box office on 26 3366.

*Wollongong University ties and scarves are available from the Union Shop. They are excellent as presents to those travelling overseas, or as gifts to colleagues, friends, and graduates.*

## Seminars

### DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING – STAFF/POST-GRADUATE RESEARCH

#### Subband Coding of Speech

Presented by Mr Hendra Gondokusumo.

Monday, September 12, 4.30 to 5.30 pm, Room 35.G45.

Subband coding of speech has received considerable attention in the past few years because of the possible reduction in transmission rate without degrading speech quality. In subband coding, the full-band signal is split into smaller subbands by using a set of analysis filters. These subband signals are then decimated, encoded (to suit the selected transmission range) and transmitted. At the receiver end, each subband signal is decoded, interpolated and recombined through a set of synthesis filters.

In general, the reconstructed signal would experience three types of error: aliasing distortion, amplitude distortion and phase distortion. The Quadrature Mirror Filters (QMF) can be designed so that the interband aliasing distortion, which occurs with sample decimation in the analysis filter outputs, is cancelled during the synthesis process. Once the aliasing distortion is cancelled, the other distortions (amplitude and phase) can then be minimised.

In this seminar, the design of analysis and synthesis filters will be discussed. Some of the experimental results will also be presented.

### DEPARTMENT OF SCIENCE AND TECHNOLOGY STUDIES

Wednesday, September 14, 1.30 pm, Building 19 Room 2061

Speaker: Richard Badham

Title: The factory of the future: A concept in search of a reality.

*Abstract:* The traditional vision of the unmanned automatic factory is now challenged by contemporary images of the 'post-Fordist' factory of the future. The dominant social science research approach to these images is to evaluate the claims of their proponents against the reality of contemporary manufacturing establishments. This paper argues for the superiority of a different approach that interprets alternative visions of the factory of the future as conflicting technological paradigms, more or less influential in *shaping* the design of new production systems. The paper concludes by arguing that this focus on the social shaping of new technological systems raises in a new and important way the traditional political question of 'who is to guard the guardians' – in the form of 'who engineers (or should engineer) the engineers'!

### GEOGRAPHY DEPARTMENT STUDENT SERIES

Room G027, 12.30 to 1.30 pm each Wednesday.

September 14

Speaker: David Hean

Title: 'The dynamics and chronology of terrace formation in the Illawarra'. (PhD progress report).

### DEPARTMENT OF BIOLOGY BIOMEDICAL EVENING SERIES

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 (042) 27 0434, so

that appropriate bookings may be made. Seminars begin at 8 pm in Lecture Theatre G19 Building 35. (The assistance of Dr Stephen Andersen is acknowledged.)

September 14. *Australian Monoclonal Development* seminar on Antibodies. Dr R. Raison, Clinical Immunology Research Centre, University of Sydney. *Evolution of the Immunoglobulin Superfamily.*

### DEPARTMENT OF BIOLOGY SEMINAR SERIES SESSION II

The Department of Biology seminars are held at The University of Wollongong on Wednesdays at 3.30 pm in Room 19, Building 35.

September 14

Title: Dr Gary Levot, Entomologist, Department of Agriculture.

Title: Dead men do tell tales: the contribution of entomology to forensic science.

### SCHOOL OF LEARNING STUDIES STAFF AND POSTGRADUATE SERIES

All seminars in Room 21.104 (Meeting Room), 12.30–1.30 pm

September 14

Speaker: Dianne Snow, PhD student, School of Learning Studies

Topic: The State's construction of studenthood 1878–1980.

### GEOGRAPHY DEPARTMENT STAFF AND VISITORS' SERIES

Room G027, 12.30 to 1.30 pm each Thursday.

August 25 to September 8 IGU and Recess

September 15

Speaker: Ms Jacky Croke, University College, Dublin.

Title: 'The application of heavy metal deposits as sediment traces within the floodplain depositional environment: an Irish example'.

### DEPARTMENT OF ACCOUNTANCY AND LEGAL STUDIES

The following seminar will be held in the Social Science Building, Room 2001 (Accountancy and Legal Studies Department).

Friday, September 16 at 2 pm

Topic: Integrating a Normative Decision Theory into a Descriptive Lens Model of Information Processing in Accounting Policy Decisions.

Speaker: Mr A Huang.

All welcome. Any inquiries contact Hai Yap Teoh, Seminar Convenor, telephone 27 0625.

### SCHOOL OF INDUSTRIAL AND ADMINISTRATIVE STUDIES

September 16, 10.30 am

Title: Intelligent Database Design Kit Current Status and Plans

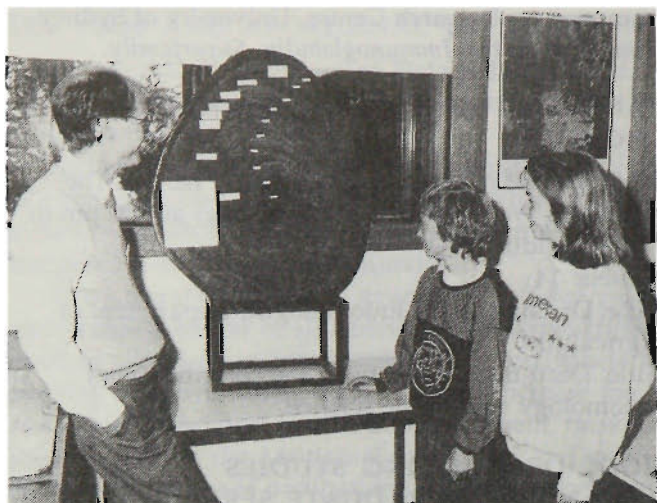
Speaker: Dr Leszek Maciaszek, Lecturer, Computing Science, The University of Wollongong

Venue: Skylab (to be confirmed)

*more seminars overleaf*

# 'An electrifying experience'

Open Day – continued from page 1



The cross-section from the campus figtree interests this teenage brother and sister in the Department of Geography, which has tentatively dated the tree as being 530 years old when it perished a year ago. On the left is Dr Edward Bryant

queue started forming at nine o'clock and there was no slacking-off until five o'clock. Many of the potential students were from the Riverina, the ACT and the South Coast.

Nor could a single visitor have gone away disappointed. The day's program of events was well planned, and undoubtedly interesting to potential students, their companions and parents. Full marks must be awarded to University staff for the impression they conveyed – an impression of friendly caring and of interest and enthusiasm for what they were doing.

Variety was endless, from recitals of Chopin by the Chopin Society, and a performance by Don Harper's Big Band in the Union, demonstrations of theatre, film and television by the English Department, to robots at work in the Automation and Engineering Applications Centre, the



The food prepared for visitors to the campus approached barbecue cordon-bleu status. Chefs are, from left, Carlo Giusti, Flora Hutchison and Peter Costigan

50 or so Apple Macintoshes to play with in the Computer Centre, and 'fun tests' – with an imaginative, educational twist – in many departments. The conducted tours and occasional lectures drew enthusiastic comment. The new amphitheatre close by the Administration Building, and performances by the School of Creative Arts, entranced young visitors. Even the weather played a part. The day was cool but not cold and the odd threat of rain never came to anything. Catering stands provided well-cooked food, and there appeared to be virtually no need to queue for it.

The Town versus Gown Rugby Union match saw victory to the Gown side, with 20 points to 18. The Gown was the lighter but faster team. Deputy Vice-Chancellor (Academic and Research) Professor Ian Chubb was delighted to accept the trophy from Town, victors last year.

And the Graduates Group secondhand book fair made a record profit of around \$2,000, thanks largely to splendid work by chief organisers Marjorie McDonald and Johanne de Jonge.

The *Telegraph* headline on its page 2 report the next day was: 'An electrifying experience' and the article went on to say: 'The university is ... fast becoming one of our major learning centres.'

## DEPARTMENT OF COMPUTING SCIENCE

Friday, September 16, Room 15.206, 12.30 pm.

Speaker: Mr Bruce Rowlands, School of Industrial and Administrative Studies, The University of Wollongong.  
Title: Measuring Software Size: A Comparison of Metrics and Models.

Visitors to the University grounds by car will be charged a parking fee of \$1. This fee will be reimbursed by the department.

Alex Zelinsky  
Convenor

## DEPARTMENT OF ECONOMICS

Tuesday September 20:

Tran Van Hoa - Why all existing estimates of econometric models are sub-optimal.

All welcome!

Please bring your lunch to room 19.2098 at 12.30 pm.

The seminars are informal and speakers will report on completed research as well as work in progress.

If you would like to present a seminar or nominate speakers from off-campus, please contact Charles Harvie (ext 3702) or Sandra Mark (ext 3654).

## DEPARTMENT OF PHYSICS COLLOQUIUM

Thursday, September 15, 12.30 pm

Speaker: Dr John Caruana, IPS Radio and Space Services, Department of Administrative Services  
Topic: The Ionosphere and High Frequency Radio Propagation

Venue: Physics Lecture Theatre (18.118)

## Advertisements

### ACCOMMODATION AVAILABLE

Room in three-bedroom house, opposite Thirroul beach; comfortable, quiet, with pool. Suit responsible non-smoker. Rent negotiable. Contact Carole on ext 3780 or 67 5265

### ACCOMMODATION WANTED

Visiting professor seeks two-bedroom, furnished house or flat to rent from September 22 until mid-July 1989. Contact Martin Gebling, Geology, ext 3841/3423 or 83 5621.

### VAN FOR SALE

1980 Nissan C-20, very good condition. Leaving country, must sell. \$5500 ono. Call Dave Roessner at 26 8866 or university ext 3639.