

15 May 1990

**Glen Moore  
wins  
Ethel Hayton  
Award**

*Physics lecturer  
recognised for  
successful  
Science Centre  
initiative and effort*



*The Chancellor Mr Justice Hope AC, CMG, presents the trophy to Glen Moore*

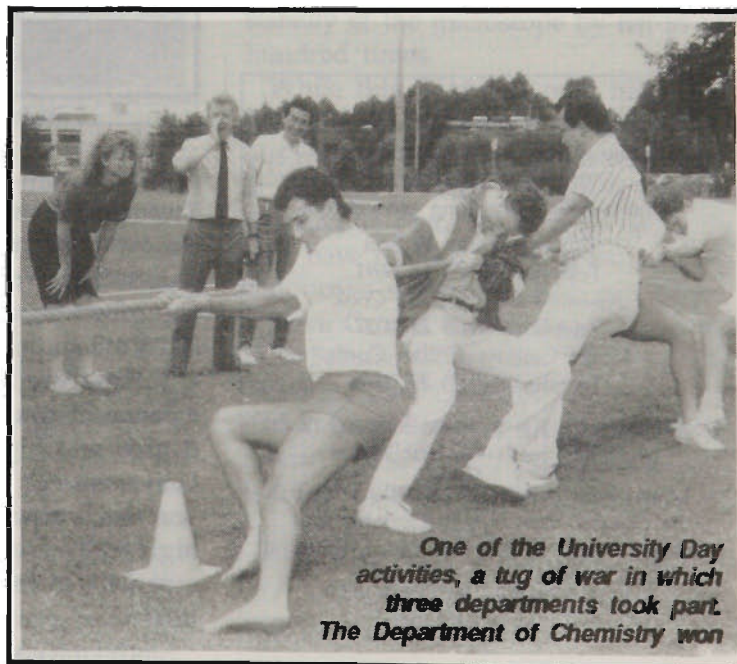
**University celebrates 29th anniversary**

UNIVERSITY DAY – commemorating the institution of the Wollongong University College on 8 May 1961, and celebrated on Monday of last week – was to have been highlighted by a packed program of events. Unhappily, all did not go according to plan. At lunchtime what appeared to have promised an *embarass de choix*, involving jazz by the Creative Arts student band, the student art exhibition in the Long Gallery, Tae Kwon Do and Kendo displays put on by the Recreation and Sports Association, was dented when the last two events on that list were cancelled.

There was a good turnout, however, for volleyball. And that, and the tug-of-war, did take place, providing worthwhile footage for the cameras of Prime and WIN television.

Perhaps most disappointing was (as last year) the postponement of the Summit Run, designed to take the fittest from our midst and pit them against the broken, rutted, tree-rooted acclivity of Mount Keira. Once again on this occasion the wet weather of past weeks was to blame. It had made the ground too wet and dangerous for competitors. It is

*continued on page 2*



*One of the University Day activities, a tug of war in which three departments took part. The Department of Chemistry won*



# University Day celebrations

continued from page 1



Also nominated for the Ethel Hayton Award were Ms Tracey McDonald, Department of Nursing, Professor Leon Kane-Maguire and the 1989 Open Day Committee, and Professor Howard Womer, ENVIRONMENT Project



Among those receiving 25 years' service awards were Associate Professor David Anderson, Ms Jane Cook and Associate Professor Colm Kiernan. Not present were Associate Professor David Anderson, Kenneth McLean, Associate Professor (r't'd) and Dr Jim Campbell

planned to try again during the early part of Second Session.

These setbacks, happily, did nothing to mar the enjoyment of the evening session during which presentations were made for the Ethel Hayton Award and to members of staff who had completed 25 years service at the University.

Welcoming guests the Chancellor, Mr Justice Hope, AC, CMG, spoke of the University's modest beginning '...on this site in a small collection of buildings - kernel of the large and beautiful campus we have today'.

'By 1962', he said, 'the college had 289 students and a teaching staff of 24 and full degree courses were restricted to engineering and some science areas.



Professor Clem Lloyd

Twenty-nine years on, the University has almost 9,000 students and was recently reported as Wollongong's biggest locally controlled business and directly worth \$1.25 million a week to the Illawarra.'

Today there are eight faculties offering a range of courses leading to diploma, degree and higher-degree awards. The University has established a fine reputation and is now recognised as a centre for high-tech research and development, especially in the field of telecommunications.'

Since University Day last year, two sig-

nificant faculties had been established - Health and Behavioural Sciences and Law. Graduate Schools were also being introduced to co-ordinate professional and postgraduate studies and research.

The Occasional Address was by Clem Lloyd, Foundation Professor of the Graduate School of Journalism, who had chosen as his theme, *Elections, Politicians and Journalists*. Professor Lloyd focused on the 1990 federal election, and on three main issues stemming from the question - who controls the political agenda? Is it controlled by the people? by the media? or by the politicians—the government and the opposition-?

A significant aspect of the federal election scene today, he said, was the Great Debate, the television staging of a face-to-face, question-and-answer session between the prime minister and the leader of the opposition.

Added to that were the influence of the the media: the paid media (television advertising) and the unpaid (editorial column inches and screen time on television news).

Professor Lloyd concluded that the political debate was largely controlled by the government. That the opposition parties find it difficult to get in on the agenda on equal terms. And that that the public was passive and had no say.

Those eligible for 25-years' service awards were Associate Professor David Anderson, Faculty of Education, Dr Jim Campbell, Department of Biology, Ms Jane Cook, of the Faculty of Education, Kenneth McLean, retired Associate Professor, Department of Electrical Engineering and Associate Professor Colm Kiernan, Department of History and Politics (who qualified for the Award in 1989).

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# Million times magnification

## from Physics Department's Scanning Tunnelling Microscope

A MICROSCOPE which magnifies a million times has been made in the Department of Physics. The 'Scanning Tunnelling Microscope' (or STM) has been constructed and tested by Third Year Project in Physics students Steve Gower, Paul Groombridge, Darren Cox and Gabriella Adorni-Braccesi, under the supervision of lecturer Roger Lewis. 'Our STM resolves features separated by less than one nanometre (one millionth of a millimetre) and we have observed steps, perhaps only a single atom high, on the surface of gold film,' said Dr Lewis. 'This resolving power is comparable to, or better than, conventional electron microscopes, and has been achieved for an outlay of less than two hundred dollars!'

The STM is based on electron tunnelling a quantum phenomenon which is significant when two electrodes at different electrical potentials are separated by a distance of the order of an atom diameter. The strength of the tunnelling current depends very sensitively on the separation of the two electrodes, which in the STM are the sample and a wire probe. This sensitivity was exploited by Binnig and Rohrer in the early 80s to make the first STM; for their efforts they received the 1986 Physics Nobel Prize. The biggest challenge in making an STM is to maintain the probe at the same place, within an atom's width, relative to the sample.

The Physics Department's STM is not imposing in appearance: a collection of metal disks, a triangle of perspex, some electronic bits and pieces, together smaller than a fist; across this a web of thin wires, secured by post-office rubber bands; the



At the heart of the Scanning Tunnelling Microscope: Darren Cox, Paul Groombridge, Gabriella Adorni-Braccesi, Steve Gower and Roger Lewis

lot sitting on a bed of sand in a plastic crate. Dr Lewis explains: 'Our approach has been to make everything as simple as the underlying physical principles allow. For example, we operate in varying current mode, which obviates the need for feedback circuitry, we use mechanical levers rather than computer-controlled electro-mechanical walkers for coarse alignment. We employ materials and apparatus already to hand whenever possible and have had only to purchase one item, the piezo-electric scanning tube. This is the string and sealing wax approach physicists are known for.'

In spite of the unimposing appearance,

this simple STM has obtained impressive results. Details of the construction and results obtained are to be published in a forthcoming number of *The American Journal of Physics*. A Mark 2 STM is presently under construction in the Department of Physics. The mechanical arrangement has been radically altered to give an even more compact and rigid structure, with sample-probe motion by means of inertial sliding. The Mark 2 electronics are also more sophisticated. These refinements are expected to improve the stability of the microscope by ten to one hundred times.

While this STM has only been used with highly conductive materials, various tricks of the trade, for instance metallic coatings or using a diamond stylus in the Atomic Force Microscope configuration, have enabled STMs to examine less conductive substances, such as DNA.

Steve Gower, BSc (Hons), now works as a Science Officer for the Australian Museum; Paul Groombridge and Gabriella Adorni-Braccesi are presently enrolled in MSc (Hons) courses; while Darren Cox works in Sydney and is completing his BSc part-time.

In summing up the success of the STM, Dr Lewis concludes: 'It is amazing it can be done at all, let alone by undergraduate students.'

## Canberra brings trainee diplomats to Wollongong

THE FIRST TIME the Department of Foreign Affairs and Trade took its trainee career diplomats to a university campus to interact with another group, it brought them to Wollongong.

The Department brought 40 trainees to Wollongong on May 3 and 4 to attend seminars and workshops with students from Asian, Pacific and Middle East countries who are enrolled in the University's Master of Arts in International Relations program. It is planned

that the seminars in Wollongong will become a regular part of the Department's training program as overseas students are no longer accepted into its training program. Instead, it recommends that they undertake the Master of Arts in International Relations at Wollongong, a unique program for professionals, diplomats, business managers and graduate students, one whose graduates are equipped to devise and implement strategies in international relations. The visit to Wollongong enabled future Australian diplomats to exchange views with their counterparts from other countries.

## Focus for strategic development

THE ILLAWARRA Economic Development Council (IEDC) is a new advisory Council to the New South Wales Government, launched by the Premier on February 9 to co-ordinate issues of economic development in the fast-growing Illawarra region.

Because the Illawarra economy is of great importance to the economic growth of New South Wales, the Illawarra Region needs a focus for its strategic development. The Illawarra Economic Development Council will fill this role.

The Council will work with Government bodies and private industry to identify regional economic needs and opportunities and ways in which government and semi-government agencies can assist in realising them. It will play an important role by co-ordinating the work of government, industry, the community and unions on major projects and investment opportunities in the region.

The IEDC will effectively replace the existing Illawarra Development Board, redefining and expanding its role as the peak advisory body to the government on strategic economic issues in the Illawarra.

State Development is a Government

department, established in 1988 to co-ordinate the public-private sector interface. Its aim is to make New South Wales a better place in which to do business and be a leading economy in the Asia/Pacific region.

It is co-ordinating the preparation of an economic development strategy based on the State's strengths and competitive advantages. The strategy initially covers 15 key industrial sectors – tourism, computing, minerals processing, pulp and paper, education, agriculture/food processing, telecommunications, defence, non-metallic minerals, metallic minerals, precision instruments, financial services, business services, coal and chemicals.

The IEDC and State Development will both provide input into the Illawarra Parliamentary Co-ordination Unit on strategic matters relevant to the region. The Co-ordination Unit is a bipartisan task force of the Upper and Lower House Members of Parliament in the Illawarra region.

More information may be obtained from the Director-General, Department of State Development, Level 28, State Office Block, Phillip Street, Sydney, NSW 2000, tel. (02) 228 4246.

## Canberra forum on basic research in Australia

THE FUTURE well-being of Australian science rests with scientists themselves. This was one of the central themes to emerge from a forum held at the Australian Academy of Science in Canberra on May 1. The forum, held to assess the ASTEC publication *Profile of Australian Science*, was presented jointly by ASTEC and The Centre for Technology and Social Change (TASC) and attended by over 180 representatives of government, tertiary institutions and private industry, some of whom travelled from Perth and Darwin for the forum.

The forum was intended to open for public debate issues which had been identified in the *Profile*, which was prepared by Canberra TASC branch man-

ager, Mr John Madden, while he was secretary to ASTEC. *Profile* assessed the strengths and weaknesses of basic research in Australia and to identify action required to facilitate a healthy environment for research.

Professor Ron Johnston, Director of TASC and a member of ASTEC, summed up the day's proceedings in which a number of speakers outlined the state of research in their respective scientific fields. He noted that the run down of investment in basic research in Australia seemed to echo current concerns about the state of the Australian industrial base. And, just as the industrial base needed to be refurbished, so the infrastructure of scientific activity in higher education needed to be rebuilt.

He suggested that one way in which this rebuilding might take place could be within the proposed Co-operative Research Centres. In the interest of research in higher education the scientific com-

munity must begin to behave in a communal manner. This might take the form of scientists setting priorities for basic research at a national level and doing so within a co-ordinated multidisciplinary network. Scientists could ill-afford to rest upon the old assumption that science and politics do not mix and rely upon the goodwill of politicians for adequate funding. By acting co-operatively scientists would form an effective lobby group much like any other and so be better placed to ensure the level of development appropriate to basic research.

Professor Johnston added that if scientists themselves did not take responsibility for the management of science then government and industry, with their inadequacies and insensitivities, would continue to do so.

### Jim Langridge to address AIM

GUEST SPEAKER at the May meeting of the Australian Institute of Management will be Mr Jim Langridge, Vice-Principal (Development), The University of Wollongong. His topic will be *The University of Wollongong – Past Achievements, Current Possibilities and Future Plans*.

The meeting will be held at the ICC Building, Bridge Street, Coniston, on Thursday, May 17 from 5.30 to 7.30 pm. Cost will be \$8 or \$4 for students, upon presentation of ID.

The following will be awarded their prizes or scholarships: Ms Melissa Herd: AIM Illawarra Branch Scholarship in Management Studies; Mr Terry Sindair: AIM Illawarra Branch Prize for the Graduate Diploma in Management; Mr Jeffrey Brown: AIM Illawarra Branch Prize in Management Studies and Mr Bruce Cox: AIM Illawarra Branch Prize in Master of Business Administration.

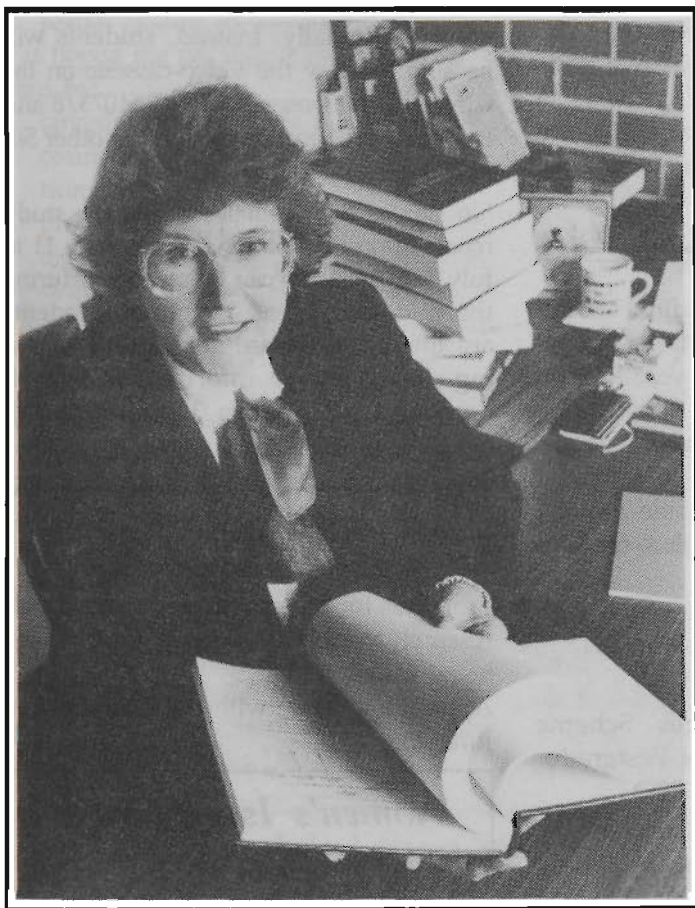
The nominees were recommended for the prizes or scholarships by Professor Julian Lowe, Department of Management, based on the academic performance of the graduands in 1989.

The Executive Committee is offering ten student scholarships (five TAFE and five University) in the form of subsidised membership subscriptions, and one full member subscription, to be chosen from those who apply to join AIM during May or June.

For further information and bookings please contact Mrs Jenny Hamilton, Assistant Branch Secretary, between 9.45 am and 2.45 pm, Monday to Friday, on (042) 27 0075.



# Department of Accountancy again in Europe



Mary Greenwell

FOR THE THIRD year in a row the Department of Accountancy has been represented at the European Accounting Association Annual Conference. This year the conference was held from April 10 to 20 at the Karl Marx University of Economics in Budapest, Hungary. Three members of staff, Mary Greenwell, Barbara Shannon and Robert Shannon participated.

Mary Greenwell presented a paper, co-authored with another colleague, Associate Professor Garry Tibbits, entitled *An International Case Study on Accounting for*

*Goodwill*. Accounting for goodwill is a complex and controversial topic. It is also an ideal vehicle for discussing the problems arising when companies' shares are traded internationally, as many large Australian companies' shares are, including the company which sponsored this particular study. The paper was well received and it is expected that after minor revisions it will be submitted to a journal of international significance.

Robert Shannon presented a paper, *The Standards Overload Problem: A Suggested Solution*. With the increasing regulation of company accounting, many small companies are facing what is perceived to be an unwarranted burden of complex reporting. Mr Shannon believes that the unique Australian solution, to differentiate

companies on a variety of criteria, is useful and could be appropriate for companies in many European countries. This paper was well received and is also expected to be submitted for publication.

During the conference Professor Alicia Jaruga, Head of the Department of Accounting at the University of Łódź in Poland, extended an invitation to Mary Greenwell to address a conference of Polish accountants in Łódź on April 24. Ms Greenwell travelled to Poland where she spoke briefly about the institutional arrangements for the regulation of accounting in Australia and then focused on asset revaluation as it is accounted for and reported in Australia. This was of particular interest as enter-

prises in Poland are currently attempting to come to grips with the need to revalue their assets. With the increasing emphasis on free market forces in Poland, the accountants are facing major challenges as their role is changing very quickly from rule-driven basic book-keeping to the more westernised professional role involving complex decision-making.

Further participation in the European accounting scene was made by Robert Shannon who attended the British Accounting Association conference in Dundee, Scotland, in the first week of April.

## Autumn Session Examinations

### Timetable

Students must check the provisional timetable displayed on noticeboards around the campus and notify the Student Enquiries Office of examination clashes by **Friday May 18** for all students other than Faculty of Education students. Faculty of Education students should have already notified any clashes.

The final examination timetable will be published on **Wednesday May 16** for Faculty of Education courses; OR **Monday May 28** for all other courses.

### Examination Period

Examinations will be held between **Saturday May 26** and **Saturday June 9** for Faculty of Education students; OR **Saturday June 16** and **Saturday June 30** for all other students.

### Results

Examination results for autumn session 1990 subjects will be posted to each student's registered term address on **Friday July 13**. Results for double session subjects may be issued by the relevant Academic Unit. Students should ensure that the University has their correct address before **July 6**.

Examination results will also be displayed in Building 22 on **Friday July 13** from 12 noon.

### Outstanding Charges

Students who have not paid outstanding charges to the University, such as library and parking fines, student loans and other charges by **Wednesday July 4**, will have their examination results withheld. Where outstanding charges are paid **after July 4**, results will not be available until after **Monday July 16**.

### Graduation

Graduation Ceremonies will be held on **October 11** and **12**. Students who meet the requirements for a degree/diploma/associate diploma at the end of autumn session will be eligible to graduate at the ceremonies provided they submit an **Application for an Academic Award form by June 8**.

Students who will satisfy the requirements for a degree/diploma/associate diploma at the end of spring session 1990 must submit an **Application for an Academic Award form by November 30** if they wish to participate in the **May 1991** ceremonies.

**K E Baumber**  
Vice-Principal (Administration)

Information concerning examination results will not be given by telephone.

## Books and Reading

### Reinforced Concrete Analysis and Design with emphasis on the application of AS3600-1988

*The University of Wollongong Press, 1990*

THE AUTHOR, Associate Professor Yew-Chaye Loo in Civil Engineering at The University of Wollongong, has designed this work to fill the dual role of a textbook for the student of reinforced concrete analysis and design and also a reference work for the practitioner wishing to master the use of the new Australian Standard AS3600-1988. In addition to detailed treatments of the topics of beam bending, deflection, transverse and longitudinal shear, torsion, stress development and columns, Professor Loo has provided an extended chapter covering most of the practical aspects of analysis and design of one-way and two-way slabs and multi-storey flat plates.

There are more than 170 carefully prepared drawings and 20 tables to make the text readily comprehensible. Illustrative and design examples are scattered throughout the book to clarify interpretation of the important new Australian Standard recommendations. The tutorial problems and examinations are particularly instructive. A solution manual for these is separately available.

The contents of this book were developed over a number of years, mainly for the third-year subject CIVL316 Structural Design 2 (Reinforced Concrete) in the Bachelor of Engineering degree course. Some of the more advanced topics are used for part of the postgraduate subject CIVL293 Advanced Reinforced Concrete. Following the publication of the Australian Standard AS3600-1988 Concrete Structures, the material was revised and all numerical examples reworded. The pilot edition was published in two parts early last year.

The present edition represents the combined and updated version of these earlier publications.

## 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 Lyndal Manton (ext. 3201). Intending applicants are reminded that all research applications must be forwarded through the Office of Postgraduate Studies.*

### Cambridge Commonwealth Trust Scholarships

Applications are being called for graduate scholarships tenable in Cambridge for 1991.

- Coles Myer Cambridge Scholarship – to pursue a PhD in a subject deemed relevant to Australia's needs. Requirements are a 1st class Honors degree before October 1991, gained admission to Cambridge and to have been nominated for an ORS award.
- Packer Cambridge Scholarships – as above.
- Cambridge Australia Scholarships – as above.
- British Telecom Cambridge Scholarships – as above.
- Cambridge Australia Scholarship for Master of Law (LLM) Degree – must have been offered a place to read Law at the University. Scholarship is tenable for one year only.
- Pegasus Cambridge Scholarship – again

for students gaining a conditional offer of a place to read for the Master of Law (LLM). Tenable for one year and on completion scholars will spend three months working in the Inner Temple.

- BTR/FCO Scholarships – to pursue a postgraduate course, tenable for one year, again must have a place on offer at the University.

Applications for all the above close with the University on December 1.

### Asian Studies Council

National Asian Languages Scheme (NALSS) and Asian Studies Postgraduate Scholarship Scheme (ASPSS)

- NALSS will provide 50 scholarships for advanced language study for six to 12 months in one of the following countries: China, Japan, Indonesia, Taiwan, Hong Kong, India, Korea and Thailand. Applicants must have studied an Asian language for three years at tertiary level and have made a formal approach to a university, college, research establishment or reputable private institution in Asia.
- ASPSS will provide 20 scholarships for Asia related postgraduate study or field work overseas for three to 12 months. Applicants must be enrolled for postgraduate studies at Masters or PhD level in an Asia related field.

Applications close with the University on June 15.

## In the Library

### Compact disc classes

|                  |          |                |
|------------------|----------|----------------|
| <b>Week 11</b>   |          |                |
| Tuesday May 15   | 11.30 am | Academic Index |
|                  | 5.30 pm  | UMI            |
| Wednesday May 16 | 10.30 am | Dialog         |
| <b>Week 12</b>   |          |                |
| Tuesday May 22   | 1.30 pm  | UMI            |
| Wednesday May 23 | 10.30 am | CCINFO         |
|                  | 5.30 pm  | Dialog         |
| <b>Week 13</b>   |          |                |
| Tuesday May 29   | 10.30 am | Dialog         |
| Wednesday May 30 | 10.30 am | Silver Platter |
|                  | 5.30 pm  | UMI            |
| <b>Week 14</b>   |          |                |
| Tuesday June 5   | 10.30 am | UMI            |
| Wednesday June 6 | 5.30 pm  | Dialog         |

SilverPlatter System classes will be held only occasionally. Instead, students will be able to view the video-cassette on the CINAHL database at AV 016.61073/8 and use the search techniques on the other SilverPlatter databases.

No classes will be held during the study recess and examination period, June 11 to July 1, but classes can be arranged during the mid-year break if enough students are interested. Please supply the following details to the information desk: 1. database(s); 2. dates; 3. times; and 4. number of students.

### National Facility Steering Committee Oceanographic Research Vessel

Proposals for the use of the oceanographic research vessel RV *Franklin* in 1992 are being called for.

Applications close with the University on June 15.

### Women's Issue Group

The first meeting of WIG will be held on Tuesday May 22 at 7pm in the Kemira Room of the Union Building.

**Program:** *Aspects of reproductive technology - the media, the law*

**Speakers:** Ms Rebecca Albury and Ms Sue Uniacke

Cover Charge: \$2.50

Refreshments and a raffle

Scarf tying – a demonstration

**Demonstrator**

Ms Tristan Hunnington

Arrangements for the meeting

made with the assistance of

The Friends of the University.

**ALL WELCOME**

Any queries? Ask Moira tel. 84 3741

## Quit Smoking Program

ON 13 November 1989, the Administrative Committee of Council approved a revised Smoking in the Workplace policy which aims to have smoke-free buildings by the end of 1990. Posters outlining the policy will be displayed widely on campus. Copies can be obtained by ringing Jeff Owers (Safety Officer) on ext 3204.

During the phase-in period the University will be supporting those who want to give up smoking by offering a Quit Smoking program to be run on campus.

The program will run in such a manner that the monetary and time costs will be split on a 50/50 basis between the individual and the University.

The program will run for two hours a week over five to eight weeks (depending on program selection). One hour a week is expected to be in the employee's time. Last year the program ran from 11.30 am to 1.30 pm, so that one hour fell during the lunch period, and it is anticipated that similar arrangements will be made this year.

Last year's monetary cost to the individual was \$60 and this year's should not exceed \$75.

Those interested in participating in the program, willing to give up one hour a week of their lunch time and to contribute \$75 or less to the cost of the program are asked to contact Shirley Jorgensen at the Centre for Staff Development.

## Creative Conflict Management

May 29 and 30, 9 am to 4.30 pm  
Presenter: Peg MacLeod, EEO Co-ordinator

THIS two-day workshop will examine a creative approach to conflict resolution and examine how to achieve a win/win

outcome in difficult conflict situations.

If you are interested in attending please contact Debbie Critcher - EEO Unit, ext. 3917, by the May 21.

## Stress in the workplace

June 18 and 25

THE AIM of this two-day workshop is to assist you to recognise the causes of stress and how it affects you. Using an interactive format it will help you develop a number of behavioural skills for constructively managing stress at work or at home.

If you are interested contact Shirley Jorgensen at the Centre for Staff Development.

## Superannuation

THE STATE Authorities Superannuation Scheme (SASS) is employer-subsidised. Representatives of the Scheme will be on campus next week:

|                       |  |
|-----------------------|--|
| <b>Monday May 21</b>  | <b>Faculty and Contact</b>             |
| 9.30 to 10.15 am      | Arts<br>Warren Mahoney                 |
| 10.45 to 11.30 am     | Science<br>Pat Macquarie               |
| 12 to 12.45 pm        | Commerce<br>Miranda Baker              |
| 2 to 2.45 pm          | Education<br>Rosemary Cullen           |
| 3.15 to 4 pm          | Engineering<br>Lynne Shortt            |
| <b>Tuesday May 22</b> | <b>Staff and Contact</b>               |
| 7.30 to 8 am          | Cleaning<br>Barbara Smith              |
| 8.10 to 8.40 am       | Maintenance<br>Barbara Smith           |
| 9 to 9.45 am          | Administration<br>Barbara Smith        |
| 10 to 10.45 am        | Faculty of Informatics<br>Paul McGuire |

For advice on State Super call the Advisory Service, toll free, on 008 451112.

## the art of lunch

Thursday 12.35 - 1.25 pm during Session

Music Auditorium, School of Creative Arts, University of Wollongong  
Entry to Auditorium through Performance Space Foyer

**May 17** - Creative writing lecturer Ron Pretty reads from new works written during his recent sojourns in the United States and Europe.

## Workshop program - June

|         |             |   |   |
|---------|-------------|---|---|
| June 13 | 1 - 4 pm    | The first teaching session                      | Barry Russell, CSD                            |
| June 18 | 9 am - 4 pm | Managing stress in the workplace, part 1        | Louise Meyrick, Extend Consultants            |
|         | 9 am - noon | Teaching overseas students                      | Barry Russell, CSD                            |
|         | 1 - 4 pm    | Teaching large classes, part 1                  | Lee Andresen, UNSW                            |
| June 19 | 9 am - noon | Teaching large classes, part 2                  | Lee Andresen, UNSW                            |
|         | 1 - 4 pm    | Audio-tutorial method of organising instruction | Liz Smith and Jim Kohen, Macquarie University |
| June 20 | 9 am - noon | Working with adults                             | Barry Russell, CSD                            |
|         | 1 - 4 pm    | Investigating teaching problems                 | John Panter, CSD                              |
| June 25 | 9 am - 4 pm | Managing stress in the workplace, part 2        | Louise Meyrick, Extend Consultants            |

Course descriptions and nomination forms will be forwarded to all staff soon.  
Enquiries to Max Gillett or John Panter, ext. 3618.



## Seminars

### Computer assisted instruction (CAI) in the teaching of Asian languages

A SEMINAR on the development of CAI (computer assisted instruction) methodology in the teaching of Asian languages will be held on Thursday May 24 by Asialink and the University of Wollongong in the board room of the Union building from 10 am to noon.

There will be demonstrations of Australian and overseas developments in CAI technologies.

Asialink is a joint initiative of the Myer Foundation, the Asian Studies Council and the Commission for the Future. Its aim is to enhance Australian-Asian understanding by generating a diverse series of activities and programs in a range of areas including education and the arts, as proposed in the Garnaut Report.

An issues paper prepared by Mr John McBride, Asialink, will be sent to participants before the seminar. The paper will evaluate four years of development of CAI in Japanese as Second Language (JSL) teaching in Japan. It will also introduce ways in which CAI may be utilised in Asian language syllabuses in Australian education.

As interest grows in Australia about the introduction of CAI to assist teachers of Asian languages, difficult decisions must be made about the types of technologies to be introduced. Preferably the resources utilised will be Australian-produced. There is much to be learnt from the experience of institutions in Japan which have based their language programs on CAI since 1986. In addition, significant technological advances suited to Australian conditions have been made by Australian researchers.

Anyone interested in attending the seminar is asked to contact Professor Brian Moloney, Department of Languages, ext. 3676.

#### Department of Accountancy

Seminars are held in room 2001, in the Department of Accountancy, The Social Sciences Building at 11 am. Anyone who is interested is cordially welcome. Inquiries to Hai Yap Teoh, Seminar Convener, telephone 27 0625.

Friday May 25: Ms Mary Kaidonis, *The*

*effect on learning of accounting concepts using a computerised accounting package and support documentation*

#### Department of Biology

Seminars are held from 12.30 to 1.30 pm in Building 35, Lecture Theatre G19, on Tuesdays.

May 22: Dr Neil Andrew, NSW Department of Fisheries, Cronulla, *Ecology of subtidal sea urchins on the NSW coast*

May 29: Ms Mandy Reid, Department of Biology, the University of Wollongong, *Tentacles, suckers and statistics: taking a look at deepwater squid*

#### Department of Business Systems

Thursday May 24 at 12.30 pm, Kemira Room, Union Building: David Nash, Telecom, *Telecom services and facilities*

#### Department of Chemistry

Seminars, except where indicated, are held on Fridays in room 18/206 at 11.30 am.

May 18: Dr Richard O'Hair, Department of Chemistry, The University of Wollongong, *Synthesis and reactions of anions in the gas phase*

#### Department of Economics

Seminars are held on Thursday, from 11.30 am to 12.30 pm in room 19.1056.

May 24: M.A. Taslim, University of New England, *Threat of eviction and cropshare tenancy*

#### Education Policy Program

Seminars are held in the School of Policy and Technology Lab (21.101).

Friday May 18 at 12.30 pm: Dr Barry Harper, *Statistics for the masses - introduction to new statistical packages*

Enquiries to Ian Brown - Co-ordinator, ext. 3590.

#### Department of Electrical and Computer Engineering

Monday May 21 from 12.35 to 1.25 pm in room 35G45: Mr S. Hansen, *Tactile and visual robotic gripper*

#### Department of History and Politics

Seminars are held on Wednesdays at 5.30 pm in room 19.2043

May 23: C. Nyland, *John Locke and the place of women in society*

June 6: J. Hagan and K. Turner, *Trade Unions and the Labor Party in NSW 1911-1941*.

#### School of Learning Studies

Seminars are held on Wednesdays at 12.30 pm in room 21.104

May 16: Deslea Konza, *The future of disabled adolescents: dreams versus reality*  
May 23: Philip de Lacey, *A corollary of*

*research: broadening academic and personal experience*

Enquiries to Bill Winser, Co-ordinator, School of Learning Studies, ext. 3963

#### Department of Materials Engineering

Seminars to be held jointly with the Wollongong University Student Chapter of the Metallurgical Society on Tuesdays from 4.30 to 5.30 pm in Room 1.134 (unless otherwise specified).

May 22 : Dr G. Delamore (UW), *Rapid solidification*

Enquiries to Associate Professor D. Dunne 27 0014.

#### New Literatures Research Centre

Friday May 25 at 2.30 pm in Building 19, room 1083: Robert Yeo, Singapore poet/playwright, will give a paper on *English Language Theatre in Singapore*. All welcome.

#### Department of Psychology

Staff and postgraduate series

Seminars are held on Tuesdays from 12.30 to 1.30 pm in the Department of Psychology, Room 19/1056.

May 15: Dr Steve Avons, Department of Psychology, The University of Wollongong, *Phonological re-coding in reading*

### Executive Information Systems

Greg Whymark, Project Manager for the Australian Navy's Executive Decision Information Systems, will present a paper on *Executive Information Systems and Decision Support Systems* on Wednesday May 16 from 6 to 7 pm in Room 19.1004.

Please telephone the Department of Management, ext 3707, if you are interested in attending.

## Advertisements

#### FOR SALE

*Fairy Meadow*. Two bedroom unit with undercover parking, lock-up large storage, internal separate laundry. Close to University and all other amenities. Price \$98,500. Tel. 83 3327.

#### Accommodation available

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