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Editor: George Wilson, Tel. (042) 270926

2 August 1988

Wollongong Scientist to Study Eye Technology—with Prestigious Funding

Dr Roger Truscott, Senior Lecturer in the Department of Chemistry, has been awarded a prestigious grant from the Royal Society and the Australian Academy of Science. The grant will enable Dr Truscott to visit the University of East Anglia later this year and to learn the technique of human lens organ culture, work which has been pioneered by Dr George Duncan in the Department of Biological Sciences. The technique allows the study of lens metabolism in lenses extracted from patients suffering from cataract.

Senile cataract is a common disease in elderly people. It is characterised by a clouding of the lens of the eye which impairs vision and can lead to blindness.

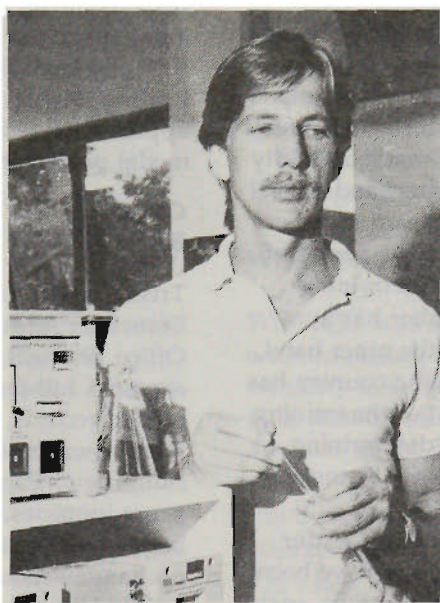
There is at present no known way of preventing cataract and no cure other than surgical removal of the lens.

Approximately 80 per cent of all people aged 65 and over have some form of cataract.

More than 500,000 cataract operations are performed each year in the USA. Each operation costs between \$10,000 and \$15,000.

The National Institute of Health (USA) estimates that if a therapy could be discovered which simply delayed the need for surgery by ten years, the saving would be in excess of US\$600 million a year in medical costs alone.

With an increasing proportion of elderly people in the population this disease will assume an even greater importance in the future.



Dr Roger Truscott

Dr Truscott's laboratory is the only one in Australia which is trying to discover the cause of senile cataract. The basic approach is to compare normal and cataract human lenses at the molecular level. Some of the research is performed in collaboration with Dr Stephen Pyne's group in the Department of Chemistry.

Close links are maintained with the Department of Clinical Ophthalmology, The University of Sydney, and the Save Sight and Eye Health Institute headed by Professor Frank Billson.

Human lenses are provided by the Sydney Eye Hospital and the Illawarra Private Hospital.

The research on senile nuclear cataract is supported by a grant from the National Health and Medical Research Council of Australia.

Staff

Dr Roger Truscott, Group Leader;

Mr Michael Manthey, Ph.D. student (NHMRC scholarship holder);

Mr Anthony Elderfield, Ph.D. student (with Wollongong Hospital);

Ms Judy Hammond, Ph.D. student (with NSW Dept. of Health);

Ms M. Grace Martinez, Research Assistant (funded by NHMRC);

Two B.Sc. (Hons) students in 1988.

THE ILLAWARRA COMMITTEE FOR OVERSEAS STUDENTS

The Illawarra Committee for Overseas Students will be holding its 1988 Annual General Meeting at 7 pm on Wednesday August 17.

Anyone interested in helping overseas students assimilate

into the local community and succeed at the University is welcome to attend.

A light supper will be provided.

Secretary--Allan Coote - 29 4751 or 27 0624.

General Notices

THE INTERNATIONAL MATHEMATICAL OLYMPIAD

by Assoc. Prof. Martin Bunder

The efforts of, initially, 100 million high-school students throughout the world in the pursuit of mathematical excellence culminated on July 15.

The students, 380,000 of them in Australia, were involved in the preliminary rounds of the selection process for the honour of competing for their country in the 29th annual Mathematical Olympiad in Canberra.

This was the first Mathematical Olympiad held outside of Europe and North America and also the biggest so far with 249 students representing 49 countries. As the Prime Minister, Mr Bob Hawke, pointed out before the medal presentation, the event was the biggest of the Bicentennial in terms of international representation.

Training for the event varies tremendously from country to country. The USSR, the most successful country in the recent years, has special schools for mathematically gifted students (why do we have them for sport and music and not for academic subjects?). Potential team members from the USSR are given special training over a period of years, the whole team of six goes to a six-week training camp just before the Olympiad. Each member has a personal tutor. Cyprus team members, on the other hand, receive no training at all, perhaps because the country has no university. For the Australian team most of the training is by correspondence followed by an eight-day training camp. Australia's is virtually the only team not financially supported by its government.

Each team is accompanied by at least a team leader and deputy leader—usually top academics who have been involved in the training program. While in Australia, each team has an Australian guide speaking its language. Guides came from high schools in all states.

The questions for any Olympiad competition are submitted by the various countries. Last year a question of mine was one of two submitted by Australia to the International Jury. The Jury, consisting mainly of the team leaders, decides which six questions are to be set. These are then translated into the required languages (29 for Canberra) before the exam papers can be printed. There were two papers each of four and a half hours duration, each with three questions.

It was my job, with four other Australian mathematicians, to set a marking scheme for one question and then to agree on a mark for each student with his or her team leader.

Our question, though easy to state (see box below) was the most difficult one this year. At least six top Australian academics, who had to test it for suitability, were unable to solve it after five days! About 150 students obtained zero, thanks to our very tough marking system, but 11 obtained full marks and were able to spend time on their other

Q6. a, b and q are positive integers and $\frac{a^2+b^2}{ab+1} = q$.
Prove that q must be a perfect square.

questions! Five students, two from Romania and one from each of the USSR, China and Vietnam teams obtained full marks for all questions.

At the medal presentation on Wednesday the 20th, gold medals were awarded to the top 17 students by the Prime Minister; 34 silver and 65 bronze were also awarded. Of the 14 girls who competed one obtained a silver and one a bronze medal.

The USSR was the top country with 217 marks out of a possible 252. China was second with 202 and Romania third with 201. Australia fared less well than in recent years and was ranked 17th; its team however won a gold and a bronze medal.

Our gold-medal winner, Terry Tao, was the veteran of the Australian team, having competed at two earlier Olympiads (winning a bronze and a silver medal). He was, however, still by far the youngest competitor at this Olympiad, turning 13 on the second day of the competition!

Mention should also be made of a Wollongong Maths M.Sc. graduate, Peter O'Halloran, who has been largely responsible for attracting the Olympiad to Australia, for gaining sponsorship from the Bicentennial Authority, from IBM and from the Canberra CAE, and for playing the leading role in the perfect running of the event. The appreciation of his eight years of work was shown at the medal presentation by a standing ovation.

CHANGE TO PLANNING AND MARKETING BRANCH

Trish Tindall has joined the Planning and Marketing Branch as Administrative Officer of the International Office. She will be responsible for the administration of all overseas full-fee-student inquiries. Applications and related records, providing support services for all overseas recruitment missions, recording of expenditures and claiming of Export Market Development Grants and agent inquiries. In the near future International Office will be responsible for all overseas staff and student exchange-scheme administration.

Liz Hilton will be responsible for the Schools Liaison Program and for assistance programs for overseas students.

Marilyn Johnson will be responsible for the supervision of design, commissioning and printing of promotional brochures for both Australian and overseas consumption and will play a more significant role in our publications and preparation of visual presentations for the University.

Gillian Curtis will continue to be responsible for the media relations of the University and will be the focal point for press releases, advertising, organising publicity for functions, media presentations and working with George Wilson on *Campus News* and *The Gazette*. Gillian Curtis and George Wilson will be relocated in the office downstairs next to the EEO Office.

Sarah Johnstone will continue as Administrative Officer in charge of the activities of the Planning and Statistics section.

George Cepak, Manager, Planning and Marketing

DID YOU MARK THE BICENTENARY?

The Public Relations Institute of Australia (PRIA) conducts the Golden Target Awards annually to give recognition to outstanding public-relations activities, and to stimulate and encourage improved public-relations performance and techniques.

To mark the Bicentenary and the role played by

public-relations activity in 1988, this year's awards have been endorsed by the Australian Bicentennial Authority. The ABA has also created the special PR 88 Awards to acknowledge the best examples of public relations in support of a Bicentennial activity in the following

- * Corporate
- * Government Agency
- * Student
- * Community/Industry Group

Entry forms from, Mr M Finch, Advance Bank, Level 4, 182 George Street, Sydney, NSW 2000.

BHP INGENUITY GAMES 1988

BHP Steel is sponsoring the Ingenuity Games for high-school students and University students in the Illawarra in September. The event is an activity of Professional Engineers Week and students are invited to participate in two classes of event:

1. Spaghetti Bridge Construction; and
2. Mouse Trap Racers

Spaghetti Bridge Construction

The contestants' bridge design is tested in a standard test rig. The lightest structure successfully tested is the winner.

Mouse Trap Racer

The contestant constructs a racing vehicle powered by a standard mouse trap. The fastest racer is the winner.

Contestants gain an understanding of strengths of materials and of basic design principles in entering either class.

Cash prizes will be awarded to heat winners from each school and the University, as well as to placegetters on Grand Final day at the Crown Central Shopping Centre on Saturday September 3.

Engineering students from the University of Wollongong will be competing in both the Spaghetti Bridge Construction and Mouse Trap Racer events.

Students from south coast high schools are also invited to participate and the competition is sure to create a happy rivalry among local schools.

The competition is a fun event and a big response is expected from local high schools. Register your interest in application forms and more information by writing a note or call Dr Richard Kohoutek from the Department of Civil and Mining Engineering, tel. (042) 27 0385.

BIOLOGISTS OFF TO USA

Professor Helen Garnett, whose research interests include the biology of 'citrus greening disease', is off to the USA for a brief period of research. 'Citrus greening disease' is not considered to exist in Australia (although studies are under way to see if this is really true) but is an agricultural disease of major economic importance in Africa and Asia. Professor Garnett, who is a world authority on the microbiology of this disease, travelled as a consultant to China and Malaysia last year and earlier this year was asked to begin some research with the USDA (US Department of Agriculture) and University of Florida researchers at the USDA Quarantine station outside Washington.

This research is funded by the United Nations FAO (Food and Agricultural Organization) and is designed to determine why the bacterium responsible is a pathogen and to also develop a rapid and easy detection system for use in underdeveloped countries.

Associate Professor Tony Hulbert is also off to the USA but to the University of Louisiana. Professor Hulbert has been invited to address the 2nd International Congress of Comparative Biochemistry and Physiology on his research into the evolution and development of metabolism in mammals.

Professor Hulbert said: 'Over the past decade or so we have been trying to understand the changes that took place about 200 million years ago, when the first mammals evolved from reptiles. Australia is the best place in the world to do this sort of research because we have a range of reptiles and diverse types of mammals, such as monotremes and marsupials, some of which do not exist overseas. Researchers overseas are very interested in the work because of this.

'In the past few years, we have begun a study of the early development of metabolism in the tammar wallaby. This animal is an ideal system in which to examine early mammalian development, since the marsupial gives birth to a very undeveloped young which is easily accessible in a pouch. Young can thus be measured and observed without any major interference to the mother. The National Health and Medical Research Council has funded the research over the past few years because of the biomedical potential of this system to understand early development of mammalian metabolism'.

Both Helen Garnett and Tony Hulbert return to Wollongong in mid August.

WOMEN IN SCIENCE ENQUIRY NETWORK

WISNET was set up as a loose-knit organisation to act as a communication network for women, who are still in a minority in some scientific fields. Membership is broad, with members drawn from all levels of the workforce and all areas of the sciences and social sciences.

The objectives of WISNET are:

- to increase women's participation at all levels in the sciences where they are now under-represented;
- to examine the education and employment structures which currently restrict women's opportunities in the sciences;
- to gather and disseminate data on women and science. The sciences here include the physical, social and life sciences, mathematics, computing, medicine, engineering and associated technologies;
- to explore linkages between the different disciplines and promote communication between scientists and the community on social and environmental issues;
- to examine the relationship between scientific research and technology and promote research and technologies more appropriate for world need;
- to explore programs for change in the sciences and support more democratic and participatory systems as an alternative to the male-dominated tradition;
- to build an active network of people interested in these issues and to liaise with other interested groups;
- to support appropriate action to achieve these objectives.

There are many capable women in the sciences at the University of Wollongong. Let's get to know each other, communicate and share ideas.

Informal meeting: 6 pm Wednesday August 3 in the Northern Lounge, Union Building, followed by char-grill dinner in the Union Bistro.

RSVP Toni O'Neill, Geog, ext 3765, Mary Garson, Chem, ext 3516, or Stephanie Short, Sociol, ext 3743.

STYLERS AND DESIGNERS TO SHOW STYLES

The recent expansion at Wollongong University has given students new services at an affordable price.

One of the new services is provided by Paul and his staff at The Cutting Crew hairdressers.

After many years of innovative hairdressing in Sydney, Paul has brought his talents to Wollongong. His salon is located at the University. It is not only for students, however, but for everyone who wants the professional touch.

Now Paul has arranged for various people from the University and TAFE to present their works in a Young and Innovative Stylers and Designers Night, to display current hair and clothing trends.

The night will preview casual, evening and fantasy hair-styles and clothing by talented designers. There will also be an aerobics display, The Strings and Lace Quartet, prizes and dance music to end the night.

Limited tickets are available for this exciting event, to be held at the University of Wollongong Union Hall on Tuesday August 9 at 7.30 pm. Tickets cost \$5 for guests and \$4 for students. Tickets are available from the University Union Reception.

JOB SUPERMARKET

How do young people find jobs they like? Do they have to study? If so, what? and where?

Job Supermarket, a new-style publication that brings a breath of fresh air to careers science, helps with answers.

In more than 150 job areas around Australia young people tell about their job hunts, their methods, the alternatives, and explain what their work is really like.

Hospitality and tourism, computing, retail, sales and marketing, financial, clerical and administrative, scientific, technical and manual, artistic, the media, outdoor, health and welfare and defence are among the areas represented.

Many who feared unemployment, or were unhappy in their studies or jobs, tell what happened.

Job Supermarket is fully pictorial, all-colour, and laced with cartoons and a mind-searching job 'Identiquiz'.

Its compact information section includes a preview of Australian Public Service entry exams, hints on writing resumes, interview tips and what to expect to be asked, how to interpret job ads, and how to use the resources of the CES.

Job Supermarket (an *Australian Women's Weekly* publication) is available at the University's Careers and Appointments Office.

EEO news....

WHICH QUALITIES ARE AUSTRALIAN?

A recent issue (July 7) of *The Executive Woman's Report* contained an interesting article on the qualities seen by executives as most critical to effective (management) functioning.

It appears that nationality, rather than factors such as age, education or profession, influences management priorities. The survey was conducted among 1700 executives by the INSEAD Business School in Paris. The results indicated that US managers put drive and

PRIORITIES FOR REFORM IN HIGHER EDUCATION

The Federal Senate has referred to its Standing Committee on Employment, Education and Training (chair: Senator Terry Aulich) the following for inquiry and report.

The Committee will seek the views of the Australian community on what should be the priorities for reform in higher education. The Committee's interests include the matters covered in the Government's Green Paper and now-published White Paper on higher education, but submissions will also be welcome on other aspects of higher education.

- Topics for consideration might include, for example:
- course outcomes which produce a capacity for critical analysis and adaptability
 - policies to provide for enrolment growth
 - ways of encouraging quality and effectiveness in teaching
 - the interaction between the humanities and the sciences/technologies
 - vocational training, including relationships with business and industry
 - policies concerning research funding
 - the role of adult and continuing education in higher education
 - ways of achieving the best use of resources within institutions
 - the new advisory arrangements at Federal level.

The Committee invites submissions on these or any other issues which are perceived as priorities for reform in higher education. Contributions are welcome from those outside the higher-education sector as well as those within it. The Committee will hold a series of public hearings on issues raised in submissions and a report will subsequently be tabled in the Senate.

Submissions should be sent, by September 30, to: The Secretary, Senate Standing Committee on Employment, Education and Training, Parliament House, Canberra ACT 2600.

STUDENTS' EXHIBITION

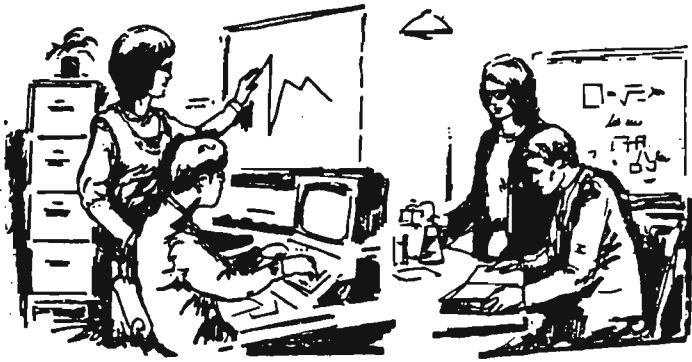
The 'Exhibitionists Urges'—an exhibition of work by past and present students of The School of Creative Arts—opened last Friday, and continues until August 7.

It is open Monday–Friday, 10 to 4 pm and Sundays, 1.30–4 pm in The Long Gallery, School of Creative Arts, The University of Wollongong, Building 25. Telephone (042) 28 0996.

ambition first, the West Germans rate creativity highest, the French the ability to use the system to get ahead, and the British most value 'getting noticed'.

From an EEO perspective this cultural bias would have implications not only for women, but for migrants or anyone applying for jobs who were not familiar with the particular work ethic being espoused. Unfortunately, the survey covered only the US and European countries. I wonder what the results would have been for South-east Asia and the Pacific countries? What do you think is the Australian national characteristic of effective managerial functioning? I would be interested in hearing your comments.

Peg MacLeod,
EEO Coordinator.



Staff Roundup

THE SUPERANNUATION PUZZLE

According to Mr Keating, the introduction of a tax on superannuation funds announced in May will have no effect on your superannuation payout, as the cut in funds will be offset by a reduction in the tax payable by you on that payout. There is no doubt that the tax changes will have some impact on the individual, but a lot of questions remain unanswered and, until the relevant legislation has been passed, it is difficult to provide any information of substance. We will keep you posted as the situation becomes clearer.

For those of you who are thinking about retiring within the near future, say the next 12 months, we suggest you approach a tax accountant to discuss the implications.

COMING STAFF DEVELOPMENT ACTIVITIES

The following activities are scheduled in the near future. Staff interested in undertaking any of the programs should complete the blue nomination form, available from their Departments or Personnel Services, and return it by the date given below. Staff must have their Head of Department's recommendation on the nomination form.

Retirement Planning Seminar — This seminar considers issues and aspects when planning for retirement—such as housing, health, finance, legal, leisure and relationships. *Target Audience* — Staff retiring in the next five to ten years. *Duration*—one day. *When* —September 9. *RSVP* August 15.

Selection Techniques Workshop — In line with the University's EEO policies and procedures, this workshop develops the skills and knowledge required to select staff on merit. *Target Audience* — Staff required to sit on selection committees. *Duration* — two days. *When* — 1. August 29 and 30 (specially scheduled for Academic staff) 2. September 29 and 30 (specially scheduled for General Staff). *RSVP* 1. August 12. 2. September 1.

Performance Counselling Skills Workshop — This workshop develops the interpersonal and counselling skills necessary to conduct staff counselling interviews. *Target Audience* — Deans Heads of Departments/Units. *Duration* — one day. *When* — 1. September 5. 2. Repeat September 6. *RSVP*—August 15.

Further details: Wendy Raikes, ext 3946.

AVCC VISITING FELLOWSHIPS 1989

Two AVCC Visiting Fellowships will be awarded for Australian scholars to visit universities in certain specified

overseas countries during 1989. The awards are designed to cover visits of distinguished university scholars actively engaged in academic work, to enable them to meet and mix with academics and personnel in their own fields.

Full details on the conditions, eligibility and value of awards are available from Wendy Raikes on ext 3946. Applications must be submitted through the University by September 23.

ACADEMIC PROMOTIONS

The following promotions have been approved, effective from 1 January 1988.

To Reader

Dr V.H. Tran - Economics

Dr J.M. Wieland - English

Both members have elected to adopt the title Associate Professor.

To Senior Lecturer

Dr E.Y. Baafi - Civil and Mining Engineering

Dr R.J. Badham - Science and Technology Studies

CURRENT VACANCIES

The closing date for applications is indicated in italics.

Professor of Creative Arts, *September 9*

Professor of Education, two positions, *September 9*

Professor of Electrical Engineering, *September 9*

Associate Professor, Accountancy and Legal Studies, continuing appointment, *August 26*

Lecturer/Senior Lecturer, Accountancy and Legal Studies, Continuing appointment or limited term five years (convertible), *August 26*

Lecturer, Accountancy and Legal Studies, Limited term five years (convertible), *August 26*

Lecturer in Analytical Chemistry, Chemistry, Contract three years, *August 19*

Associate Professor, Faculty of Education, Continuing appointment, *September 9*

Lecturer, Philosophy, Limited term five years (convertible), *August 19*

Lecturer in Cognition, Psychology, Continuing appointment or limited term five years (convertible), *August 26*

Further Details: Ross Walker, ext 3934.

STAFF CHANGES

Departures

Dr Z. Herceg, Senior Lecturer, Electrical and Computer Engineering

Mr R. Atkinson, Lecturer, Computing Science

Mr R. Kinnell, University Engineer, Buildings and Grounds (retired)

Mrs R. Johnston, Technical Officer, Geography

Mrs J. Stanojevic, Cleaner, Hall of Residence (retired)

Mr R.A.E. Whitton, Safety Officer, Personnel Services (retired)

Mr R.M. Howard, Visiting Teaching Fellow, Electrical and Computer Engineering

Mr J. Hazell, Head, External Studies (retired)

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.

REBECCA L. COOPER MEDICAL RESEARCH FOUNDATION GRANTS

Applications are invited for grants available in 1989 for research in the fields of diabetes, arthritis and schizophrenia.

Applications close with the University on October 28.

THE SPENCER FOUNDATION

The Spencer Foundation supports research that gives promise of yielding new knowledge leading to the improvement of education. The Foundation is interested

PREVIOUSLY REPORTED IN CAMPUS NEWS

	Internal Closing
NH&MRC Fellowships	August 5
AINSE Research Fellowships	August 17
Cancer Council Patient Care Awards	August 17
Fenner Conferences	August 17
AINSE Research Grants	August 19
Commonwealth Scholarship and Fellowship Plan	August 26
Australian-European Awards	August 26
Australian-Greek Awards	August 26
Harkness Fellowships	August 31
Information and Communication Technology Grants	September 2
Grain Legumes Council Proposals	September 2
Piero Fanti International Prize	September 16
Water Industry Research Awards	September 16
Royal Society of Victoria Medal	September 16
Australian Academy of Science Medals	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
Benians Fellowships	October 30
Lionel Murphy Scholarships	November 16
Academy of Science China Exchange	November 17
IDP Research Funding	Any time
Earthwatch	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
Visual Arts/Craft Board	Any time

in a wide variety of disciplinary and interdisciplinary approaches, though by direction of its charter it gives emphasis to the behavioural sciences. The Foundation provides support for Research Grants, Small Grants, Predoctoral Fellowships and Postdoctoral Fellowships.

Applications may be lodged with the University at any time.

THE UTAH FOUNDATION

The Foundation's grants to tertiary institutions are restricted to self-contained projects, involving research and certified by an independent adviser as being of exceptional promise.

Applications may be lodged with the University any time.

PUBLIC HEALTH RESEARCH PROJECT GRANTS

The Victorian Health Promotion Foundation invites applications for funding of research and development activities in support of the following objectives:

- projects related to the promotion of good health
- safety or the prevention and early detection of disease
- the encouragement of healthy lifestyles in the community
- and the support of activities involving participation in healthy pursuits.

Applications close with the University on August 17.

AINSE RESEARCH GRANTS 1988

Applications are invited for support of new or continuing projects in the fields of Nuclear Science and Engineering. Applications for direct grants, credit grants for travel and accommodation and credit for Lucas Heights costs will be considered.

Applications close with the University on August 19.

WATER INDUSTRY RESEARCH AWARDS

The Australian Water Industry Research Advisory Council invites nominations for awards to be made for full-time study beginning in 1989 and leading to a Masters or Ph.D. in a field of water research at an Australian Tertiary Institution.

Applications close with the University on September 16.

MENZIES RESEARCH SCHOLARSHIP

The Sir Robert Menzies Foundation invites applications for scholarships in an Australian Tertiary Institution for full-time postgraduate research leading to a higher degree in one of the allied health sciences. The scholarship is tenable for two years and carries a stipend of \$18,000 per annum.

Scholarships and Prizes

NEW SOUTH WALES RHODES SCHOLARSHIP

Applications are invited for the NSW Rhodes Scholarship tenable at the University of Oxford from October 1989. Applicants must be Australian citizens between the ages of 19 and 25 and must have completed a degree by October 1988. Candidates may make only one application in a year;

they will also be considered for nomination for the Rhodes Scholarships for Australia-at-large.

Intending applicants should, in the first instance, contact Mr S. B. M. Harrison, Honorary Secretary, Rhodes Scholarship Selection Committee for NSW, The University of Sydney, Sydney NSW 2006, Phone (02) 692 2222 ext 2261.

Applications close with The University of Sydney on August 5.

NATIONAL ENERGY INNOVATION AWARDS

The Department of Primary Industries and Energy invites nominations for the 1988 National Energy Innovation Awards from every sector of business and research whose enterprise and achievements in the energy field have been outstanding. Nominations are called for in the following categories:

- Innovative energy production research and development;
- Innovative R & D relating to the efficient use of energy;
- R & D into the efficient management of transport fuel use;
- Energy management in industrial/commercial processes;
- Energy management in buildings' design and operation;
- Energy Researcher of the Year;
- Energy Manager of the Year.

Applications close with the University on August 5.

CSIRO 1987 POSTDOCTORAL AWARDS

The Commonwealth Scientific and Research Organisation invites applications from PhD graduates or those nearing the completion of requirements for a PhD degree, for Postdoctoral Awards of two years' duration. In the second year of the award the recipient will be required to work on an approved joint research project with CSIRO.

Applications close with the University on September 16.

THE H. V. EVATT ANNUAL ESSAY PRIZE

The H.V. Evatt Essay prize of \$1000 is awarded annually for an essay 4,000 to 5,000 words in length about Dr H. V. Evatt or his work in one of the following areas

- Australian Politics
- International Affairs
- The Law

Entry forms are available from the Foundation: Room 1134, 121 Macquarie Street, Sydney 2000.

Applications close with the Foundation on 24 February 1989.

UNIVERSITY OPEN DAY

SUNDAY AUGUST 28

10 AM – 5 PM

Inquiries (042) 27 0073, (042) 27 0027

Seminars

DEPARTMENT OF METALLURGY AND MATERIALS ENGINEERING – SESSION 2 SEMINARS

Wednesdays 4.30 to 5.30 pm, Building 7, Room 134

Date: August 3.

Speaker: Assoc. Prof. D. Dunne, University of Wollongong.

Title: Shape Memory Alloys – Laboratory Curiosities or Commercial Materials?

DEPARTMENT OF COMPUTING SCIENCE

Date and Time: Friday August 5, 12.30 pm.

Speaker: Dr Ken Thompson, AT&T Bell Laboratories, USA.

Venue: Room 15.206.

Title: Computer Chess.

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.

August 3

Speaker: Dr David Ayre, Department of Biology, University of Wollongong.

Title: Population genetics in corals.

August 10

Speaker: Mr Colin Heath, Environmental Scientist, Water Board.

Title: A little Antarctic limnology.

GEOGRAPHY DEPARTMENT STAFF AND VISITORS' SEMINAR SERIES

Room G027, 12.30 to 1.30 pm each Thursday.

August 4

Speaker: Dr Ros Muston, Biology Department, University of Wollongong.

Title: 'Can we really change Hawkesbury Sandstone communities with fire?'

August 11

Speaker: Dr Ted Bryant, Geography Department, University of Wollongong.

Title: 'Climatic determinations of eustatic sea level change 1933-1980 and implications for the greenhouse scenario'.

DEPARTMENT OF PHILOSOPHY

Date and time: Friday August 5, 2.30 pm

Topic: Killing Under Duress

Speaker: Suzanne Uniacke, University of Wollongong

Venue: Department of Philosophy Seminar Room, North Wing, Social Sciences Building, The University of Wollongong (Building 19.1034).

Date and time: Friday August 12, 2.30 pm

Topic: Vagueness Revisited

Speaker: Dr John Slaney, University of Edinburgh

Venue: Department of Philosophy Seminar Room, North Wing, Social Sciences Building, The University of Wollongong (Building 19.1034).

Seminars continue overleaf

DEPARTMENT OF SCIENCE AND TECHNOLOGY
STUDIES, AND THE CENTRE FOR TECHNOLOGY
AND SOCIAL CHANGE

Speaker: Bruno Latour, *Centre de Sociologie de l'Innovation, Ecole des Mines, Paris.*

Title: Mapping Technical Innovations – New Visualization Tools.

Date and Time: Monday August 8, 1.30 pm

Location: Conference Rooms 2 and 3, Illawarra Technology Centre.

DEPARTMENT OF ECONOMICS

Seminar Series: Session 2

Tuesday August 9:

C. Harvie - The economic impact of natural resources: the case of the UK and Australia.

Tuesday August 23:

E. Pol - A second look to catastrophe theory.

Tuesday September 20:

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

Tuesday September 27:

J. Thampapillai and D. Lewis - Some experiments on consumer behaviour: a game-theoretic approach.

Tuesday October 18:

S. Mark - Rural income and employment opportunities in the Cimanuk River Basin of West Java.

Tuesday November 1:

C. Nyland - The rationalisation of standard time schedule in the USA, 1890-1940.

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).

GEOGRAPHY DEPARTMENT STUDENT SEMINAR
SERIES

Room G027, 12.30 to 1.30 pm each Wednesday.

August 10

Speaker: Ian McMaugh

Title: 'Landslip associated with the 1984 Dapto flood'.
(MSc progress report).

DEPARTMENT OF BIOLOGY
BIOMEDICAL EVENING SEMINARS

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, 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.)

August 10. *Amersham* seminar on Genetically Engineered Vaccines. Dr I.G. Ramshaw, John Curtin School of Medical Research, ANU, Canberra.

Use of Recombinant DNA Technology in Viral Vaccine Development.

Convenor: Dr E.J. Steele
(042) 27 0434

SCHOOL OF INDUSTRIAL AND
ADMINISTRATIVE STUDIES

Title: Software Measurement: Metrics and Models.

Speaker: Mr Bruce Rowlands, Lecturer School of Industrial and Administrative Studies.

Date and time: Friday August 12, 11 am

Place: Building 22, Apple Lab I

DEPARTMENT OF ECONOMICS

The schedule of Department of Economics seminars to August 1988 are:

August 16

D. Kelly -- *Workplace industrial relations in the Australian steel industry.*

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

For further information please contact Dennis O'Brien, ext 3654.

All welcome. Bring your lunch to room 19.2085 at 12.30 pm.

DEPARTMENT OF MECHANICAL ENGINEERING
POSTGRADUATE SEMINARS

Time: 11 am (Friday)

Venue: Department of Mechanical Engineering Seminar Room, Building 8.

August 12

Speaker: Mohammed Islam

Title: Analysis of Machining Accuracies in CNC

FACULTY OF COMMERCE

Address by Sir Harold Knight 'Life in a Central Bank: From Monetarism to Deregulation'

Sir Harold Knight, eminent economist and former Governor of the Reserve Bank of Australia, will be speaking to students and staff on the development and implementation of monetary policy in Australia since World War II.

Date and Time: Monday August 15, 3.30 to 4.30 pm

Place: 38.G016 (Nurse Education Lecture Theatre)

ACCOMMODATION WANTED

Lecturer and family seek furnished house to rent (min 3 beds) from January to June 1989 preferably close to University or Keiraville school. Phone Martin Albin, 27 0759 (day) 29 5740 (evening) School of Industrial and Administrative Studies.

ACCOMMODATION

Female to share partly furnished two-bedroom unit in Keiraville with 26-year-old female tutor. \$55 pw. Phone ext 3658 (day) or 27 3624 (evening).

HOUSE TO LET

Mount Pleasant, a few minutes from campus, fully furnished, two bedrooms plus study, September to December 1988. Contact Nigel Mackay, Psychology, ext 3740 or 83 5621.

SALE BY TENDER

Three Macintosh External 400K Disk Drives.

No guarantee is offered on these items. Terms of sale are cash or bank cheque. For inspection, call Mr T. Jones (042) 27 0641.

Tenders close 11.30 am on August 8. Tenders should be placed in a sealed envelope addressed to the Supply Office, University of Wollongong, PO Box 1144, Wollongong, 2500, and noted on the outside front "Tender for (Description of item)".