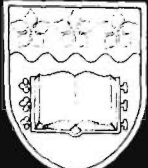


THE UNIVERSITY OF WOLLONGONG



CAMPUS NEWS

Distributed each Tuesday

Deadline for copy noon Monday
of previous week

Editor: George Wilson, Tel. (042) 270926

22 March 1988

CAMPUS SECURITY

24-HOUR PATROL COVERAGE AND PATROL DUTIES

Since late last year, the University has had '24-hour' coverage by Patrol staff. Included in their duties is the responsibility to ensure that only authorised people are in buildings in particular and on campus in general. To this end, staff and students are expected to carry their ID cards at all times while on campus and to produce them on request.

Another basic function of Patrol staff is to check that doors and windows have been locked by **departmental staff**. It should be emphasised that it is the responsibility of staff to ensure that **their** areas are locked when they leave. It is particularly important that staff also lock external doors when leaving during late evening (i.e., after 9.30 pm), weekends and public holidays. It should be understood that if external doors are left unlocked during these times, unauthorised access could be gained before the next security staff patrol. Even if departing staff are aware that other people are still in their building, they should lock external doors when leaving. In most University buildings, unauthorised access could be gained to various parts of buildings without staff in other areas of the building being aware of it.

The attitude and diligence of all staff is fundamental in maintaining security in the University and your co-operation in making your staff aware of their responsibilities is very important.

Petty Theft

In recent years as the campus population has increased rapidly, incidences of petty theft have also increased. The major problem has been theft of cash (purses and wallets) from unlocked offices. Staff should be reminded that they should not leave unattended offices unlocked and as an added precaution, should secure purses and other valuables in lockable drawers or filing cabinets.

EASTER BREAK

Arising from the two working days lost at the Printery because of the Easter break there will be no issue of Campus News for April 5. Deadline for copy for the issue dated April 12 will be noon on Tuesday April 5.

Electronic Surveillance Equipment

The University is currently making arrangements to install electronic surveillance equipment in various high risk areas.

The system will be operated and monitored by the University's Patrol staff and strict procedures relating to access to these areas in particular and other areas in general will need to be implemented. The Supervisor of Security, Graham Parsons, will be contacting the relevant staff in this regard.

How To Contact Patrol Staff

Patrol staff can be contacted on extension 3936 (270936). When unattended, this phone is connected to an answering machine and the recorded message advises the number of a mobile (cellular) phone which is carried by the duty Shift Leader Patrol Officer. Other emergency phone numbers are also given in the message.

Patrol staff also carry radio-transceivers (two-way radios) which ensures that the reaction time to calls is as quick as possible.

Staff and Student Identification

As mentioned previously, it is a fundamental responsibility of Patrol staff to ensure that only authorised people have access to University property. It is, therefore, essential that staff and students are aware of the obligation to carry their ID cards and produce them when requested to do so by a Patrol Officer. Your co-operation is requested in reminding staff and students of their responsibilities in this regard.

Some other security related matters of which you need to be aware include:

- Entrance 2 is closed from 10.30 pm to 7 am on weekdays and all day and all night at weekends and on public holidays (excepting special occasions). Refer to previous notices.
- The local Police have been requested to include the campus in their night mobile patrols.
- There is a continuing program of installing security anchor pads to certain items of computer equipment, e.g., Apple PC's.
- Branding devices and markers are available for equipment identification. (Refer to previous notices).

The Supervisor of Security, Graham Parsons, ext 3936, and Barry Lake, Administrative Officer, ext 3084, are available to discuss security matters in general and are happy to attend Faculty or Departmental meetings.

K.E. Baumber
University Secretary

General Notices

STUDENT ELECTIONS

As the number of nominations exceeds the number of positions to be vacated, an election by personal ballot will be held for the following positions:

- Five students to the Academic Senate
 - elected by and from students undertaking degrees and diplomas at the University.
- Two students to the Library Committee
 - elected by and from the students of the University.

Voting will take place on Wednesday and Thursday March 23 and 24, between 9 am and 5 pm, in the Student Enquiry Office, Administration Building.

In the event of an equality of votes, the matter will be determined by lot.

Students will be required to produce their ID cards to receive a ballot paper.

K.E. Baumber
Returning Officer

ADAPTING AUSTRALIAN HIGHER EDUCATION FOR OVERSEAS STUDENTS

The Higher Education Research and Development Society of Australia (HERDSA) will hold a meeting to examine the question of higher education and overseas students on Friday March 25. The meeting will be held at Tower Building (2), level 4, University of Technology, Sydney (NSW) from 9 am to 5 pm.

Registration forms from Alan Prosser, Department of Mineral Processing, University of NSW, PO Box 1, Kensington, NSW 2033.

LIBRARY NEWS THE RESERVE COLLECTION

The Reserve Collection is one of the busiest sections of the library. It is designed to provide a secure location and an effective loan and booking procedure for items in heavy demand.

The location and preparation of items for Reserve from lists provided by academic staff is a time-consuming task. It would be extremely helpful if academic staff could send

CONSERVATORIUM OF MUSIC SEEKS STRING PLAYERS

The Conservatorium of Music is calling for string players to form a 'Swinging Strings Ensemble', to complement Australia's foremost jazz violinist, Don Harper, and his Show Band.

The string players will work with and perform as an independent unit in association with the Show Band for public engagements during 1988 and beyond.

On-campus rehearsals will be held on Tuesdays from 5.15 to 7.15 pm and will include training in improvisation and jazz ensemble playing.

Annual joining fee is \$10.

Inquiries to Don Harper (042) 672964,
Conservatorium Principle (042) 281122.

their lists to the Library as early as possible, and if the number of items placed on Reserve could be limited to those likely to be most heavily used.

Automation of the Reserve Collection is planned using the PALS system which the Library currently uses to control borrowing activities and to provide on-line access to the Library's catalogue (OPAC).

The OPAC will indicate whether an individual title is located in the Reserve, because, for a complete list of titles on Reserve for specific courses, the subject folders inside the Reserve area itself must be consulted. To borrow from Reserve your ID card must be exchanged for the item.

New Books Display

A selection of recently received books will be displayed in the Current Serials Area located on the second floor of the extended building. Books will be on display for one week and will then be available for loan.

NEURO LINGUISTIC PROGRAMMING IN EDUCATION

With the new interest on campus in improved teaching, readers may be interested in some of the things I have discovered during extensive exploration of new teaching methods in USA (writes Lindsey E. Smith from the Department of Education).

I was disillusioned with our general failure to communicate basic physics to undergraduates. With what I learnt, I ran a 30-hour course in the last Summer Session. I taught the basic language of physics, the key concepts that I had found students usually lack, and basic learning skills which make autonomous learners. There were no dropouts. The students and I all had great fun. While they were self-selected on the basis that they hated physics or were unsuccessful, by the end of the course, all declared that their 'fear of physics' had evaporated.

I offer you one small piece which comes from Neuro Linguistic Programming and which has instant application in any classroom. That is the importance of multi-sensory communication. We all receive information from the physical world through our five senses. Most of us have a preferred mode for storage and retrieval of that information.

In the classroom the main senses are seeing, hearing and feeling. All are used for both storage and retrieval. But the three modes have quite different properties. Auditory memory is slow and strictly sequential, like a tape recorder, e.g., what is the second last line of 'Mary had a Little Lamb'? Visual memory is fast and random access. Kinesthetic memory is your auto-pilot -- e.g., how do you ride a bicycle?

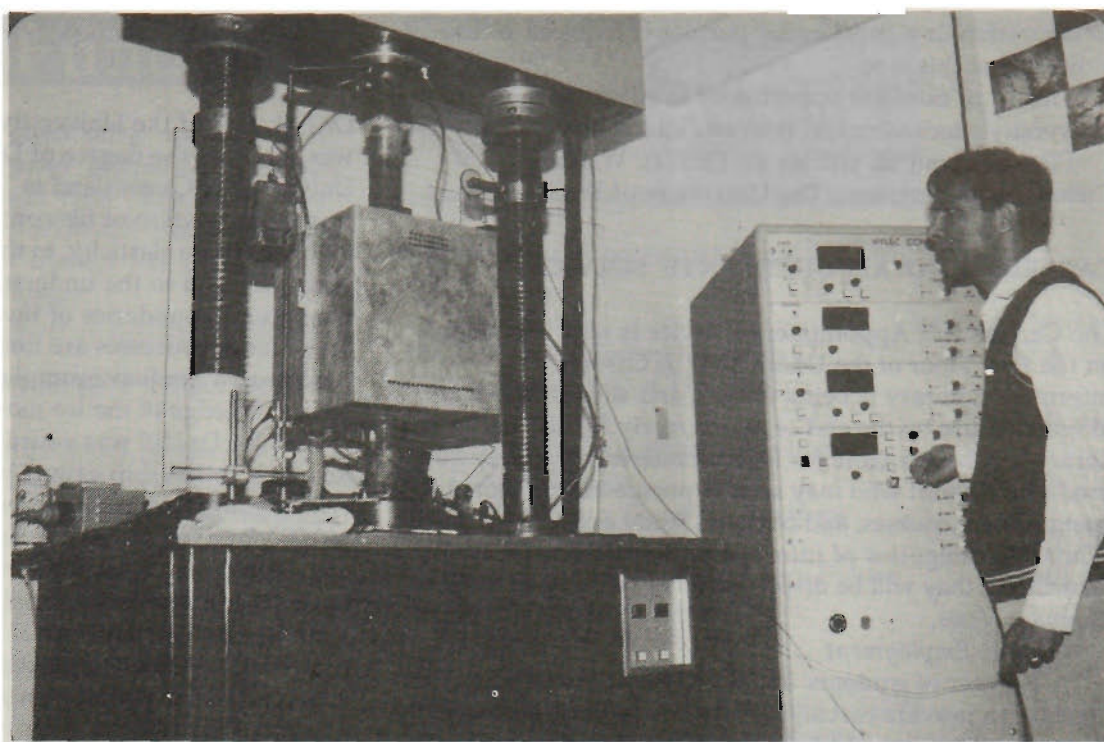
It is easiest to store information in the mode it is received. We mostly teach verbally, and then wonder why our students can rote repeat but not use the information.

Visual memory and processing are vital for most academic pursuits which emphasise integration of diverse material, problem solving and so on. It is often poorly developed -- thanks to television and modern toys. It is important to stimulate visual memory and processing and teach students to translate verbal information into a visual representation.

Kinesthetic memory we all have -- we live and operate effectively in the world. It's always a good starting point to pick up something the students had already done or physically experienced that is relevant to the topic, before abstracting into pictures and words. And emotion, which is part of kinesthetic memory, is the memory hook.

If people are emotionally involved, they remember, if

Dr Tara Chandra in his laboratory. He is invited to chair an international conference -- THERMEC-88 -- in Tokyo in June this year. He has also been invited -- by the prestigious American Institute of Mining, Metallurgical and Petroleum Engineers -- to accept organisational responsibility for a major international conference (Recrystallization 90) to be held in Australia in 1990. The University of Wollongong will be a sponsor, alongside professional bodies from half a dozen other countries



they are not, they don't. Humour, surprise, gentle outrage, appropriately illicit, are invaluable tools.

The key is to use all three. Tell them, show them, have them do something, and get them emotionally involved. And if a student doesn't understand you, try a different mode of presentation from the one that just failed.

Michael Grinder, who specialises in educational applications of Neuro Linguistic Programming, will be presenting a workshop for teachers in Sydney in September. More information can be obtained from Bobbie Verey (02) 4193340 or Jill Nyar (02) 4984513.

JAPAN INVITES DR TARA CHANDRA TO CHAIR INTERNATIONAL CONFERENCE

Dr Tara Chandra, senior lecturer in the Department of Metallurgy and Materials Engineering, has been invited to chair Hot Working Simulation Sessions at the International Conference on the Thermo-Mechanically Processing of Steels and other Metals, at THERMEC-88, to be held in Tokyo in June.

Dr Chandra has been involved in research of High Strength Low Alloy steels for several years and was chairman of the organising committee for the International Conference on HSLA steel held at The University of Wollongong in 1984. Hosting such a prestigious conference brought Wollongong University to world attention in the field of HSLA steels.

In recognition of the work being done by Dr Chandra and his research students at Wollongong, the Metallurgical Society of AIME (American Institute of Mining, Metallurgical and Petroleum Engineers, USA) -- the largest professional body in the world -- has asked Dr Chandra to organise the first International Conference on Recrystallisation of Engineering Materials -- Recrystallization 90 -- in Australia in 1990.

The University of Wollongong is sponsoring this conference along with other professional bodies from Japan, Canada, France, West Germany, India, China and Australia.

Further information about Recrystallisation 90 will be published in *Campus News* later this year.

NEWCASTLE BOYS' HIGH SCHOOL OLD BOYS' ASSOCIATION

An Old Boys' Association was established early in 1987, when a meeting of several Old Boys' was held. The Association was formalised later in March that year with an inaugural Annual General Meeting, when a Constitution was passed. Highlight of the year was the Inaugural Dinner in September. It was expected that 150 Old Boys would come to the dinner, but the attendance was an overwhelming 465. Guest speaker was Charlie Goffet. The oldest Old Boy present had completed the Leaving Certificate in 1923.

The Annual General Meeting is to be held in March this year, and the Annual Dinner will be held on August 19, with guest speaker Vic Rooney.

If there are any Old Boys on campus who wish to find out more about the Association and its activities, they may do so by contacting Grahame Morris in Mathematics (ext 3854).

THE UNIVERSITY OF WOLLONGONG -- NEW TECHNOLOGY BULLETIN

A university-wide technology news bulletin will be launched in May 1988. The bulletin will be published monthly and will be circulated within the University as well as to other research organisations and to commercial concerns.

The bulletin will serve two major purposes.

- i) To facilitate the establishment of collaborative research projects both within the University and with outside organisations.
- ii) To provide commercial concerns with the opportunity to participate in research projects within The University of Wollongong.

This publication will advertise the University's research interests, goals and significant achievements in technology.

Researchers are invited to submit a short summary (200 words maximum) of particular research projects. If

continued overleaf

collaboration or a commercial partner is required please indicate that this is so.

This is an excellent opportunity to advertise the University's technological interests and achievements.

Please submit all articles to: Dr G.G. Wallace, Chemistry Department, The University of Wollongong.

CAREERS AND APPOINTMENTS SERVICE

The Careers and Appointments Service is now established on the First Floor of the Union Mall. A Careers Information library is being created and should be ready for general use by the end of March/early April. This library will be available for student reference but may be used also by staff who may seek to pursue information on postgraduate courses, and overseas study and work. When the categories of information have been formalised, they will be displayed in a later issue of *Campus News*.

Casual Employment

A 'register of students' and a 'Job Bank' are being put together to provide casual/part-time work for students. Positions will be sought from the employers in the community as well as positions which may become available within the University. So -- think of a job -- think of a student. You can contact Gayle Ford on extension 3445 to 'bank your job', or to 'withdraw a student'. Any other general enquiries can be directed to Patricia Webster on extension 3324.

INTERNATIONAL RECRUITMENT -- WORLD BANK

Towards the end of March representatives of the World Bank will be visiting Australia for the purpose of recruitment and interviewing of suitably qualified personnel for any of the listed positions.

Details of the positions are available from the Careers and Appointments Service or you can contact Colleen Thompson, International Recruiting Office (02) 9576600.

AN INTRODUCTION TO PFS: FIRST CHOICE

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3 hours of 'hands on' tuition
using IBM PC/AT compatible computers
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ITC Computer Training, Building 39
Telephone 268884 (ext 3777)

*You must first purchase the software or the text 'Computers and End User Software' by Athey, Day and Zamud (available at the Co-op Bookshop, price \$47.60). The latter purchase will allow you to copy an educational version of PFS: First Choice

MATHEMATICIAN AWARDED DOCTOR OF SCIENCE DEGREE

Dr J.M. Hill of the University's Mathematics Department, was awarded the degree of Doctor of Science from the University of Queensland in January this year. The award was in recognition of his contributions to the mathematical theory of finite elasticity, to the theory of diffusion processes, and to the understanding of processes where the natural boundaries of the process change over time. These latter processes are known as moving boundary processes, a familiar example being the melting of ice, where the edge of the ice moves as melting continues.

In 1986 Dr Hill was awarded the first National Research Fellowship gained by The University of Wollongong, and in the recent ARGS awards received \$60,000 for a two-year post-doctoral position to continue and develop the work on moving boundary processes. He has written three books published by Pitman, Longman and Blackwell on differential equations, moving boundary problems, and heat conduction respectively. The book on heat conduction was written jointly with Dr Jeff Dewynne, a former PhD student of Dr Hill.

Dr Hill received his honours degree from the University of Queensland in 1969 and also his PhD in 1972. He came to The University of Wollongong in 1975 after a year at the Darling Downs Institute of Advanced Education and two years as a post-doctoral fellow in the University of Nottingham. Dr Hill is the first person to receive a DSc from the University of Queensland in the subject area of mathematics.

TASC HOSTS INTERNATIONAL EXPERTS

During March and April The Centre for Technology and Social Change (TASC) is host to several overseas visitors under a continuing program for DITAC.

Dr Mark Dodgson arrived in February to carry out two months' work as a visiting research fellow at TASC. Mark will be working on a TASC project in the area of corporate technology strategies. He is currently a research fellow with the Science Policy Research Unit (SPRU) at the University of Sussex where he has been involved in the areas of technology and corporate strategy; international interfirm technology agreements; innovation in small and medium-size firms; industrial relations and the process of innovation; and management of technology. While working with TASC Mark will be giving at least one seminar in Wollongong.

Professor Geoff Oldham, in Australia to consult on the process of setting up a technology policy research unit in Western Australia and to advise the Australian Science and Technology Council (ASTEC), is a visitor to TASC for a week from Monday March 20. Professor Oldham is Director of SPRU, at the University of Sussex which is widely regarded as being the forerunner for science policy research organisations in the world with a staff of some 50 researchers. He was involved with SPRU from its inception and has been responsible for SPRU's Developing Country Program for many years. He has been responsible for the development of the Canadian IRDC's (International Development Research Centre), science and technology policy program, providing support in 40 countries.

Professor Oldham is currently involved as an adviser to developing countries in their science and technology policy programs.

Dr Kirsty Hughes comes to TASC from the Faculty of Economic and Social Studies at the University of

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 Harris (ext 3866). Intending applicants are reminded that all research applications must be forwarded through the Office of Research and Post-graduate Studies.

NATIONAL SOIL CONSERVATION PROGRAM

The National Soil Conservation Program invites applications for financial assistance for the conduct of research or public education relating to the rehabilitation and sustainable utilisation of the nation's soil and land resources.

Applications close with the University April 15.

NATIONAL HEART FOUNDATION OF AUSTRALIA

Applications are invited for grants to undertake research projects in cardiovascular health education, involving the development and evaluation of planned and existing health education programs.

Applications close with the University on May 17.

JAMES N. KIRBY FOUNDATION

The James N. Kirby Foundation founded in 1967 distributes grants to charitable educational and technical bodies throughout Australia in the areas of health, education, technology and science, art, literature, conservation and maintenance of Australia's natural resources. Particular attention is given to technical

education projects to assist young Australians to reach the highest standards.

Grants may be in the range of \$1,000 to \$5,000.

Scholarship support is not precluded.

Applications close with the University any time.

PREVIOUSLY REPORTED IN CAMPUS NEWS

| | |
|---|------------------|
| | Internal Closing |
| Field Sciences Research Facility | March 31 |
| CSIRO/University of Wollongong | |
| Collaborative | March 31 |
| Australian Water Research Advisory | |
| Council F'ships | March 31 |
| Australian Water Research Advisory | |
| Council Programs | April 13 |
| Research into Primary Production F'ships | April 15 |
| NH&MRC Visiting Postgraduate | |
| Research Scholarships | April 15 |
| Rudi Lemberg Travelling F'ships | April 16 |
| NH&MRC Public Health Research Grants | April 22 |
| Industrial Research and Development | |
| Grants for Biotechnology | May 2 |
| Australia-China Education | |
| Co-operation Program | May 17 |
| Australian Academy of Humanities | |
| Grant-in-Aid | June 16 |
| Clive and Vera Ramaciotti Foundation Grants | June 16 |
| 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 |

- * Manchester where she is a 'new blood' lecturer in the Department of Economics. She is currently researching in the areas of innovation and multi-national enterprises. While in Australia Kirsty will be visiting university departments, research centres and government bodies. She will be presenting seminars at Wollongong and will be seeking to talk with interested people on campus during her visit from March 28 to April 8.

For further information on any of these visitors please contact TASC on 268866 or extension 3639. See seminar program for details.

KIDS COMPUTING EASTER 1988

Two courses for older kids will be held from April 5 to 8 April.

Crooks and Computers (12-15 year olds)

A computer applications course with a difference. Participants chase crooks and discover a range of computer applications: Database, Word Processing, simple Spreadsheets and Graphics.

This is a course for computer beginners. No previous experience with computers is assumed. The course is strictly applications orientated and will NOT include any programming element.

Participants will use APPLE IIe computers as tools in individual and group exercises. The course is suitable for high-school students who have not had the opportunity to explore fully these computer applications.

An Introduction to Programming in BASIC

This course provides an introduction to programming in BASIC.

Each participant will use an IBM compatible Personal Computer to learn the fundamentals of the language. The computers provide colour, graphics and sound to enhance program development.

Previous keyboarding skills or computer awareness would be advantageous, as would some knowledge of basic algebra. This course is therefore most suitable for high school students.

Each course is of four days duration and costs \$85.

Tuesday April 5 to Friday April 8 – 9.30 am to 3.30 pm.

There are places for a maximum of 20 participants per course.

Full details and registration from: ITC Computer Training, The University of Wollongong, PO Box 1144, Wollongong, 2500. Telephone 26 8884.

THE BIZARRE SIDE OF SCIENCE

Time and place for the above lecture were omitted from last week's edition of *Campus News*.

The lecture will be held on March 24, at 8 pm, in the Pentagon Lecture Theatre 1 (20.1).



Staff Roundup

STAFF DEVELOPMENT OPPORTUNITY

The University of New South Wales regularly holds a University Management Course for its general staff. This year one place on the course, being held from April 17 to 20, has been offered to a staff member from our University.

The course, which is residential, is designed to introduce participants to the basic elements of management – managing people, planning, controlling operations and problem-solving.

The participant will have the opportunity to exchange views, find out more about universities from their colleagues and assess their own training and development needs.

Nominations are sought from general staff members who:

- are managers or supervisors, or who are in a professional and other position responsible for carrying out duties that involve leading and supervising others, or who are seeking to acquire such responsibility;
- would now like to take a broader management perspective of their duties and University administration;
- wish to commit themselves to the residential course.

Nomination forms and further details are available from Wendy Raikes, Staff Training Co-ordinator, ext 3946. Completed nominations should be returned to the Personnel Services Branch by March 30.

Attendance at this course by the successful nominee will be supported by central University funds.

STAFF PUBLIC SERVICE SUPERANNUATION SCHEME CLOSING SOON

Application forms to join the State Public Service Superannuation Scheme must be received by the Superannuation Board office in Sydney before March 31. Eligible staff interested in joining before the closing date should do so now.

Inquiries: Barbara Smith, ext 3914, Wednesday to Friday.

GUIDELINES ON EMPLOYMENT, PROMOTION AND TRANSFER

The ensuing guidelines relate to the appointment, promotion, transfer and supervisory arrangements for married couples, near relatives and others with close personal relationships. This applies to permanent, temporary and casual staff.

It should be noted that being closely related to or

having a close personal relationship with another staff member does not of itself present grounds for refusing employment, promotion or transfer. Such decisions will be based solely on the criteria of merit and the needs of the University. However, such employment should be, where possible, in positions entailing little or no direct supervisory contact with relatives.

Guidelines

1. No member of staff should participate in the procedures for the selection, promotion or transfer of someone with whom they have or have had a close personal relationship, but otherwise the University's normal procedures will be followed.
2. * An appointment to a position without advertisement, such as casual or temporary positions, requires the written approval of the Manager, Personnel Services, for general staff positions or Deputy Vice-Chancellor (Academic and Research), for academic positions, following the submission of a special case which demonstrates that the Head of the Department recommending the appointment has thoroughly explored the availability of alternative appointees to ensure that such an appointment is made on merit. " This applies to positions to be filled on a casual or temporary basis of more than two weeks.
3. Where such appointment, promotion, placement or supervisory relationship adversely affects the efficiency or effectiveness of the organisation, or where one or both of the persons concerned abuses the responsibilities or duties of their positions as a result of their relationship, normal administrative or disciplinary measures will be followed.
4. Sympathetic consideration will be given to requests for transfer to other areas from staff working in close proximity for whom difficulties arise due to their personal relationships.

CHANGES TO GENERAL STAFF CONDITIONS OF EMPLOYMENT

In recognition of some of the difficulties faced by limited term general staff, the University has developed a policy for the conversion of limited term positions to permanency. This policy has implications for permanent staff members as well as for limited term staff.

Many limited term staff have been offered extensions to their limited term positions; some have been limited term employees for up to seven years. Obviously these limited term positions are really ongoing in nature though still classified as limited term. Unfortunately, these limited term staff do not have access to some of the benefits available to permanent staff, such as superannuation.

To overcome these problems, and to create a more equitable situation for limited term staff who have been continuously extended, the University Council resolved to offer permanency to some limited term staff.

Basically, no position is to continue as a limited term position beyond four years. If a limited term position continues for four years the current occupant will be offered that position on a permanent basis. This is, of course, subject to the position being originally advertised and filled on merit and the present incumbent having a satisfactory probationary report, and maintaining satisfactory work performance.

The nature of the position and the conditions pertaining to that position must also remain the same. For instance, if a limited term Word Processing position was being reclassified as a Secretarial position, that position

would have to be advertised, as essentially it is an entirely new position. Similarly, the position would have to be advertised if it was decided to change the position from part-time to full-time.

Obviously this policy does not apply to Limited Term positions which are funded externally, as the University has no control over the continued funding of these positions.

The EEO Unit fully supports this initiative. The policy serves to eliminate a number of institutional barriers which limit the opportunities available to Limited Term staff. To date five limited term staff have been offered permanency.

If you are a limited term member of the general staff and have been in the same position for four years and wish to enquire about your eligibility for conversion to permanency, contact Mr Gary Graham, Assistant Personnel Officer, Personnel Services Branch, ext 3935. Enquiries from other interested members of staff and supervisors of limited term staff are also welcome.

CURRENT VACANCIES

Closing date for vacancies is April 6:

Research Associate (contract 12 months),
Mathematics.

Two Half-Time Lecturers or Two Teaching Fellows (contract four years), School of Industrial and Administrative Studies.

Further details: Ross Walker, ext 3935.

STAFF CHANGES

New Starters

Mrs V. Wallace, Research Assistant, Chemistry

Mr P. May, Graduate Assistant, Planning and
Marketing

Mr M.A. Gibson, Professional Officer, Metallurgy and
Materials Engineering

Transfers

Dr B.R. Jefferies, Lecturer, Mathematics

ANZAAS CONGRESS CENTENARY YEAR

Leading international scientists specialising in fields of current community interest and concern will attend the Centenary ANZAAS congress to be held at the University of Sydney from May 16 to 20.

This year's theme poses the question, 'What Use Science and Technology?' Among the noted international scientists who have been invited to speak are:

- * Dr Paul Bottomley, an Australian research scientist with General Electric in the United States. He will be speaking on Magnetic Resonance Imaging;
- * Dr James Beniger, from the Annenberg School of Communications at the University of California. He will be taking part in the symposium entitled *The Information Society*;
- * Dr E. Penhoet of the Chiron Corporation in California. He is a participant in the *Biotechnology* symposium;
- * Dr June Osborn, of the University of Michigan, adviser to President Kennedy. She is a speaker in the AIDS symposium;
- * Dr Eric Jones of the Los Alamos National Laboratory in New Mexico. He is the convenor of a symposium

eEO news....

EEO AWARDS

We mentioned previously that, on February 12, the Premier gave The University of Wollongong an honourable mention at the Annual EEO Awards for its work in promoting opportunities for persons with disability.

I thought you would like to know who did win those awards. There were four categories and the winners were as follows:

- * Award for initiatives for people with a physical disability: Won by The Health Department.
*Changes at the Medical Examination Centre will give real access to permanent jobs for persons with disability by the removal of outdated standards and applying the principle of reasonable adjustment in the workplace to allow employment of persons with disability.
- * Award for initiatives for people from non-English-speaking background: Won by The State Rail Authority.
*State rail ran English-on-the-job classes for 250 persons since 1986 and ran bridging courses to allow attendance at mainstream training.
- * Award for initiatives for Aborigines: Won by the Department of Technical and Further Education.
*Aborigines are now employed in a wide range of positions including teachers.
- * Award for initiatives for Women: Won by the Department of Education.
*Reforms to the promotion system were introduced which introduced merit and eliminated seniority as the means of selecting Principals and Deputy Principals.
All four awards indicate a valuing of a more diverse workplace, essential to the principles of efficiency as well as social justice. Who knows: perhaps next year it might be us!

Kathy Rozmeta
EEO Co-ordinator

organised by the Powerhouse Museum dealing with settlement in outer space;

- * Ms H. Hughes, Commissioner for the Environment, Wellington, speaking on *Environmental Policy*.
The official opening of the Congress in the University's Great Hall, will be the first-ever joint degree-conferring ceremony by the three metropolitan universities. Three honorary degrees will be presented, and the Presidential Address will be given by Professor David Penington AC, former Chairman of the national AIDS Task Force and Vice-Chancellor of the University of Melbourne.
College accommodation will be available at the University of Sydney at a cost of \$30 a night. A smaller number of places will be available at the University of New South Wales at Kensington. Bookings will be allocated in order of receipt of registrations.
Arrangements for off-campus accommodation may be made at any Westpac Travel Office. Early registration is highly desirable.
Congress Liaison Officer is Christine Williams who has been appointed to deal with any inquiries in the lead up to the Congress and for its duration. She can be contacted on (02) 5521995.

Seminars

TASC SEMINAR SERIES -- TECHNOLOGY AND THE ECONOMY -- THE NEW GAME FROM AN INTERNATIONAL PERSPECTIVE

Wednesday March 23, 12.30 pm

Speaker: Professor Geoff Oldham, Director, SPRU

Title: University Reform -- The Challenge to the Traditional Role of Research

Venue: ITC Building 39, University Campus, Conference Room 1

Wednesday March 30, 12.30 pm

Speaker: Dr Mark Dodgson, Research Fellow, SPRU, Visiting Research Fellow, TASC

Title: High Technology Companies -- Corporate Strategies and Public Policies

Venue: ITC Building 39, University Campus, Conference Room 1

Further information from the Centre for Technology and Social Change, telephone 268866 or extension 3639.

DEPARTMENT OF METALLURGY AND MATERIALS ENGINEERING SEMINAR CALENDAR

Mondays, 4.30 to 5.30 pm, Room 1.121

March 28

Dr D. Dunne -- *Study Leave in Belgium*

A summary will be given of research work on shape memory alloys undertaken in the Department of Metallurgy and Materials Engineering at the Katholieke Universiteit in Leuven, Belgium, during the second half of 1987.

DEPARTMENT OF BIOLOGY SEMINAR SERIES

Wednesdays 3.30 pm, Building 35, Room G19.

March 23. Associate Professor Tim Roberts, School of Biological Sciences, University of Newcastle.

Reproductive immunology.

March 30. Dr Adrian Gibbs, Research School of Biological Science, Australian National University, Canberra.

Some recent studies in virus evolution.

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AGRICULTURAL TAKE-OFF IN ASIA -- ITS GENESIS AND CONSEQUENCES

Jointly sponsored by the Department of Economics and Sociology.

Speaker: Professor D.P. Chaudhri, Director, Agricultural Economics Research Institute, University of Delhi.

Professor Chaudhri was formerly a fellow of Research School Pacific Studies at the Australian National University and a senior lecturer in the Faculty of Economic Studies at the University of New England. He has written and published widely on the subject of Agricultural Development.

Tuesday March 22, 12.30 pm, Room 19.2100.

OPENING THE BLACK BOX AND CLOSING IT BEHIND YOU: ON MICRO-SOCIOLOGY IN THE SOCIAL ANALYSIS OF TECHNOLOGY

Department of Science and Technology Studies

Wednesday March 30, 1.30 pm, Building 19, Room 2061

Speaker: Stewart Russell. (Dr Russell has recently taken up an appointment as lecturer in the Science and Technology Studies Department).

Abstract: Within the broad project of understanding the social shaping of technology, there have recently been attempts to assert as paradigmatic an action sociology approach. While acknowledging the value of a detailed focus on the internal workings and interactions of groups developing and selecting technologies, this seminar presentation points out limits to this approach. In particular, it re-asserts the importance of broader structural analyses which these contributions either fail to tackle or explicitly reject, and outlines how explanations at different levels may be fruitfully combined. The arguments are illustrated by re-interpreting case studies by these action sociologists; by indicating existing studies which have successfully integrated macro and micro levels; and with further examples for which an exclusive focus on action is inadequate.

The presentation is based on a paper written jointly with Robin Williams of Edinburgh University's Research Centre for Social Sciences. Copies are available in advance from the STS office.

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