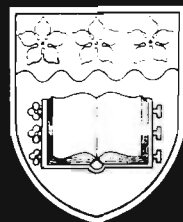


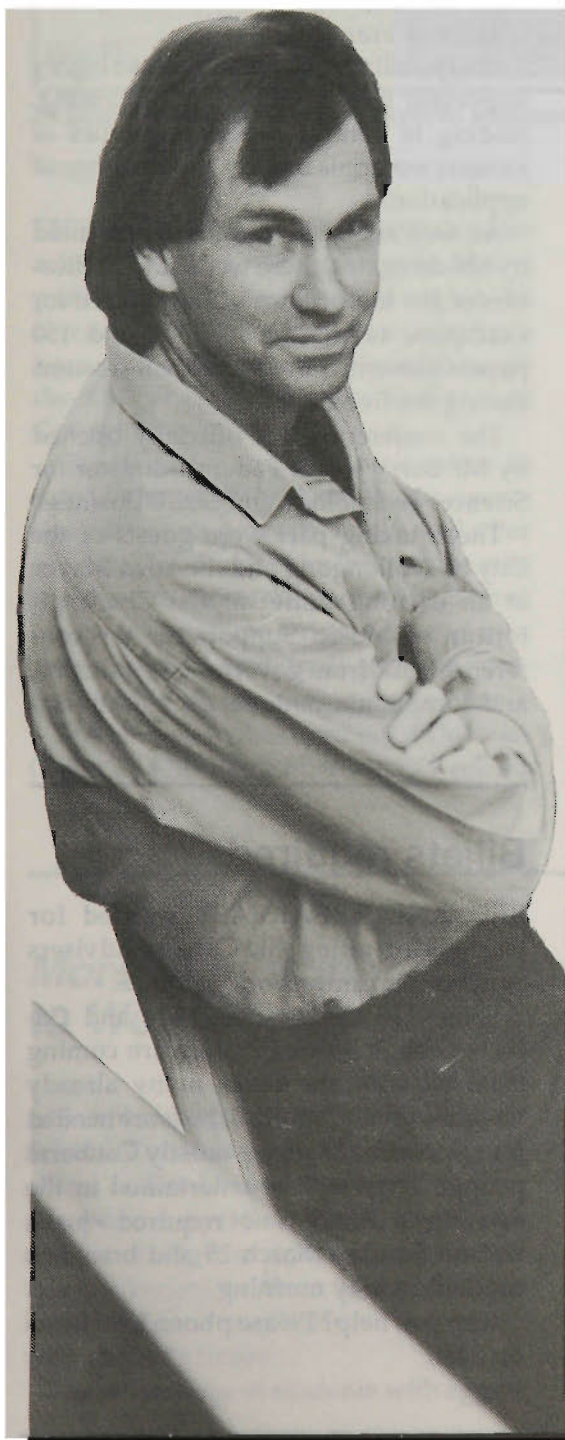
THE UNIVERSITY OF WOLLONGONG CAMPUS NEWS



6 March 1990

A Welcome to New Faces

Head of School of Creative Arts



BARRY CONYNGHAM, the new Head of the School of Creative Arts, is a prominent Australian composer. After an initial involvement with jazz and popular music, he studied with Peter Sculthorpe at Sydney University and with Toru Takemitsu in Japan.

He has received numerous awards, prizes and grants for composition including a Churchill Fellowship (1970), a Harkness Fellowship (1972-74), an Australian Council Fellowship (1975) and a Senior Fulbright Fellowship (1982). In 1985 his Double Concerto *Southern Cross* was awarded the highest place yet achieved by an Australian composer at the International Rostrum of Composers in Paris.

His works have been used by several choreographers; the most acclaimed piece was Graeme Murphy's *Rumours* (1978).

During 1988 Barry Conyngham composed *Bennelong* for the Australian Chamber Orchestra and his largest work to date *Vast*, a full-length ballet for Graeme Murphy. The work was funded by the Bicentennial Authority.

Before coming to Wollongong the new Head was Reader in Composition at the University of Melbourne.

New year – new logjam

Since the last issue of Campus News in 1989 a substantial volume of copy has appeared in the 'in' tray for this issue. More than we have been able to accommodate, despite adding four pages. Reassurance is offered to contributors whose work does not appear today – the logjam will be cleared as soon as possible.



Professor Sandra Speedy

Head of Nursing

PROFESSOR Sandra Speedy has been appointed Head of the Department of Nursing in the Faculty of Health and Behavioural Science. (Other departments in the faculty are Human Movement Science, Psychology, and Public Health and Nutrition.)

Professor Speedy gained her academic qualifications at the universities of Flinders and Adelaide, and at the University of Rochester in New York in psychology, nursing and town planning.

Her doctorate was awarded her at the University of Rochester for a thesis entitled *Faculty Development for Australian Tertiary Nursing – Perceptions of Heads of Nursing Programs*.

Professor Speedy is a registered psychiatric mental health nurse in South Australia and has a deep interest in issues

continued on page 2

General Notices

World experts converge on Wollongong



Delegates came from the USA, Korea, W. Germany, India, Japan, Poland, Hungary, Brazil and Israel

WHAT IS claimed to be the world's most important – and hence most prestigious – metals and materials conference took place at The University of Wollongong from January 22 to 26. Designated Recrystallization '90, the international conference on recrystallization of metallic materials was organised by Dr Tara Chandra of the Department of Materials Engineering.

Dr Chandra it was who, while on study leave in Canada in 1986, proposed the conference to the international advisory committee.

Japan and Canada also proposed conferences. That it came to Australia was ascribed to the importance of the work being done in the field by Dr Chandra and his co-workers at Wollongong.

The conference was sponsored by the Metallurgical Society of AIME and TMS-



Dr Tara Chandra

USA, the largest of the world's materials and metals societies.

It was supported, too, by professional societies from Australia, England, Canada, India, China, West Germany, the USSR and France.

Recrystallization of materials is a highly important step in materials processing, leading to control in the properties of various materials used in a wide range of applications.

As well as the 37 nations represented by 170 delegates, there were other indicators of the importance of the subject: for examples, 14 invited lectures and 150 papers presented in 34 technical sessions during the five days.

The conference was officially opened by Mr Barry Jones, Federal Minister for Science, Technology and Small Business.

Those taking part were guests of the City of Wollongong and the Lord Mayor at an evening buffet at the Conservatorium of Music. Support for the conference came from government, industry, and some multi-national organisations.

of women's health. She was appointed a foundation member of the Sturt College of Advanced Education nursing course in 1975 and served as Head of the Department from 1981 to 1983. After taking leave to pursue her studies she returned to the Sturt nursing program in 1987. She was there until the move to Wollongong.

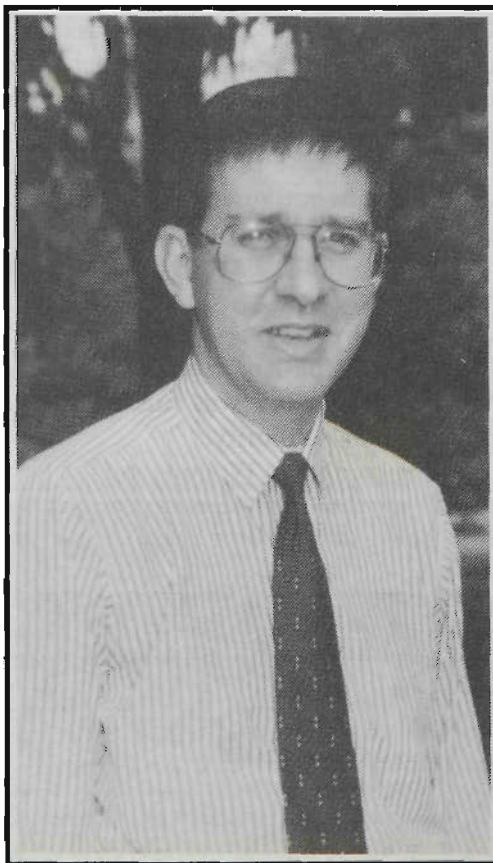
Director of Information Technology Services

THE GROWTH phase the University has been experiencing has created the need to appoint a senior executive to co-ordinate on campus the development of information technology, including policy and strategic planning.

Mr Greg Naimo, the new director, holds a degree in Electrical Engineering from Sydney University and a Diploma of Education from the University of NSW. He has held senior positions with Deloitte Haskins & Sells and the Ricegrowers Co-operative Ltd and has been responsible for the large-scale redevelopment of information systems. His background is particularly strong in UNIX with ten years' experience in UNIX-based systems.

Welcome to new faces

(continues from page 1)



Mr Greg Naimo, new Director of Information Technology Services

Billets required

BED AND BREAKFAST wanted for teachers attending the Careers Advisers Seminar on campus on March 26.

Some 120 Careers Advisers and Careers Section administrators are coming from all over the State; many already have accommodation but beds are needed for approximately ten – mostly Canberra people. They will be entertained in the evening so dinner is not required – just a bed on Sunday March 25 and breakfast on the Monday morning.

Can you help? Please phone Liz Hilton on 3480.

The Co-operative Education Program

a joint venture between Industry and The University



Dr Brian Gillett and Mr Ron Robertson, appointed to establish the new Program

THE UNIVERSITY of Wollongong has a history of association with industry, particularly in the Illawarra region. In recent years working relationships have been strengthened and widened through the University's Illawarra Technology Corporation.

The decision has now been taken to extend relationships through a co-operative education program which will offer scholarships donated by industry to outstanding students to undertake degree courses combining a rigorous academic program combined with relevant, professional work experience component.

The University has appointed Dr Brian Gillett and Mr Ron Robertson to work on

the establishment and implementation of the program.

Students selected will receive a tax-free \$9,300 per annum scholarship for the duration of the degree course. Students will have significant periods of work experience with different employers engaged in a field of enterprise related to their academic course work and their career aspirations. Students will obviously benefit from the practical experience and establish a clearer perception of the workplace and their chosen career path.

The Co-operation Education Program will be introduced for the 1991 academic year.

More high achievers to Wollongong

AN ANALYSIS of last year's Higher School Certificate candidates offered places at The University of Wollongong this year shows that the numbers and quality of eligible students who placed this University as their first preference have increased markedly as compared with the 1989 intake.

The percentage of students with aggre-

gates over 350 increased from 17.6 in 1989 to 23.8 in 1990. The number with aggregates over 400 increased from 4.1 in 1989 to 5.7 in 1990.

Overall, there was a 19 per cent increase in the number of first-preference applicants who scored above the selection aggregate for each course.

The meritorious scholarships awarded annually by the University to one student in each faculty were given this year to students with aggregates of between 412 and 466.

Smoking in the workplace

THE ADMINISTRATIVE Committee of the University Council has approved a revised policy on Smoking in the Workplace. The policy recognises the health and economic benefits to all from both encouraging smokers to give up and eliminating the dangers of passive smoke inhalation.

The policy aims to have smoke-free buildings (with the exception of offices designated for single occupancy in non-air-conditioned buildings) by the end of 1990. There is a phase-in period to give smokers time to adjust to restrictions on their smoking habits and the University will be encouraging and supporting those who want to give up smoking, by providing information and courses this year.

The Occupational Health and Safety Committee has been closely involved in the development of this policy and is keen to see its smooth and successful implementation. We would like to see the policy brought to the attention of faculty members and encourage departments to hold meetings to allow staff to discuss the policy and formulate practical solutions for implementing smoke-free areas in the way best suited to each.

The Safety Officer, Jeff Owers, can provide supplies of 'No Smoking' stickers and other materials, and is preparing a poster explaining the University's policy. The quit-smoking courses during 1990 will be widely advertised.

Please let me know of any concerns or suggestions which relate to the implementation of this policy. Alternatively, comments may be forwarded to the Chair of the Occupational Health and Safety Committee, Mr Aivars Depers.

Chris Grange, *Manager, Personnel Services*

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Centre for Staff Development

THE VICE-CHANCELLOR has approved the creation of a Centre for Staff Development to operate from the beginning of 1990 when the Centre for Teaching Development closed.

The new Centre, as its name implies, is responsible for both academic and general staff development. It is also responsible for educational technology services and for conducting the student surveys of teaching required by the academic conditions of appointment.

The staff of the new Centre comprises present members of C.T.D. with some additions. Ms Shirley Jorgensen, from Personnel Services, will continue her present activities with general staff. Mr Ray Stace from Computer Services provides training and assistance for computer users. Dr Max Gillett from the University of Western Sydney has taken up an appointment as Staff Development Officer (Academic).

Ms Huntley-Moore, the fourth Staff Development Officer, is responsible for the administration of teaching evaluations and for associated teaching development. She is assisted by Mrs Carole Birrell who

has accepted a temporary appointment to study the University's teaching evaluation procedures.

Other ex-C.T.D. staff retain their present roles, with Dr John Panter heading the new Centre.

The terms of reference of the Centre for Staff Development are:

1. Ascertain the present and future staff development needs from both a corporate and individual perspective.
2. Implement programs to meet staff development needs.
3. Formulate flexible and responsive training and development policy advice.
4. Collect and assimilate information relating to the University's staff development objectives and communicate it to staff.
5. Encourage and conduct appropriate research.
6. Assume such other functions, responsibilities and authority relating to staff development as may be delegated to it by the Director, Staff Development (Professor Ian Chubb).

The Vice-Chancellor has also established an Advisory Committee on Staff Development under the Chairmanship of Professor Chubb. Its members are: Mr K.E. Baumber, Mr C. Grange, Professor S.C. Hill, Dr P. MacLeod, Dr J.R. Panter and Ms R. Rando. All members welcome suggestions from staff concerning future programs.

The reasons for the changes are fairly obvious. Previously, central responsibility for staff development was divided between C.T.D., Personnel Services and Computer Services. There were two management committees responsible for overseeing programs and, although there was little wasteful duplication of effort, general staff programs have been publicised in isolation from those available to academic staff and vice versa, despite the fact that some programs met the needs of both categories of staff.

Furthermore, it became obvious that, given recent salary agreements and changes in industrial relations case law, the University needed to construct a systematic set of goals for staff development together with an official policy of implementation to cover all categories of staff.

A more efficient administrative and management structure, together with a clear set of objectives and enhanced human and financial resources, will see great improvements in the provision of staff development services.

1990 will be a year of intensive planning as needs are identified across the University and strategies are developed for meeting those needs. The Centre has set up a number of working parties which

Faculty of Informatics Established

THE MACQUARIE DICTIONARY defines 'informatics' as 'a discipline of science which investigates the structure and properties of scientific information as opposed to content'.

It is therefore appropriate that the new Informatics Faculty at the University embraces the departments of Computer Science and Electrical and Computer Engineering, as well as the Department of Mathematics – the last the language in which most scientific information is written.

Both the telecommunications and computing sides of informatics have had

a substantial boost in Wollongong. The Nortel Technology Centre for Northern Telecom, a Canadian-based international company, is to be set up in the University's Technology Centre as well as a telecommunications software centre for the Corporate Consumer Division of Telecom Australia.

Associated with the new faculty are the University's Automation and Engineering Applications Centre, the Centre for Information Technology and the Research programs in Engineering, Knowledge Based Information Systems and Industrial Mathematics and Applied Statistics.

In addition, there are individuals with international reputations in areas as diverse as Image Processing, Oceanography and Logic.

Students will have available all the subjects previously offered by the three departments in their homes in the Faculties of Mathematical Sciences and Engineering. Among the degrees to be offered are the Bachelor of Mathematics, Bachelor of Engineering (Electrical and Computer Engineering specialties) and the Bachelor of Information Technology and Communications. The last is managed by a special unit within the faculty and involves a study of information technology as well as its social content. The faculty will be considering the formation of new courses at the undergraduate and graduate levels.

have already produced preliminary reports. Some of the matters dealt with involve the development of internal procedures to improve the efficiency and impact of the Centre's operations.

In addition, serious consideration has been given to needs analysis as a basis for program development and to the relationship of educational technology to teaching and learning.

Although it is intended that workshops and seminars open to all members of staff be continued, it is also intended to introduce more targeted programs which meet the specific needs of departments, units or particular groups of staff. Further, it is hoped that such workshops will be project or goal directed so that concrete, evaluable results can be achieved.

For staff development to be effective, an essential first stage is that needs are identified. The introduction of appraisal systems for both academic and general staff will, no doubt, lead to much valuable information. The Staff Development Officers will be attending meetings of Faculty Planning Committees in order to become familiar with Faculty activities and needs. Unions and staff associations will be contacted to obtain their input.

But, in addition to these formal mechanisms, it will be essential for individuals to make known their particular needs. Staff should feel free at any time to contact the Head of the Centre or the relevant Staff Development Officer who will welcome the opportunity for private discussions or invitations to meet specific groups.

A program of activities has been arranged for 1990. This will be announced



Staff Development Centre members, pictured from left to right: back row, Manfred Knorr, Shirley Jorgensen, Barry Robson, John Panter, Max Gillett, John Murray, Evelyn Cruickshanks, Simone Rose and, front row, Ric Caladine, Sylvia Huntley-Moore, Val Roberts and Ray Stace

soon and publicised in *Campus News*. Each member of staff will receive a personal invitation to all workshops and seminars. Although the title of the activity will indicate the target group involved, there will be no restrictions on attendance other than those for general staff which are set by supervisors. It should be noted that the existence of the formal program does not preclude additions to it and suggestions for other activities will be very welcome.

At the time of writing, the Centre, like

many other units on campus, is suffering severe space problems. In the next few weeks there will be some significant changes as new staff arrive and others relocate. It is suggested that, until the exact changes are publicised, initial enquiries should be directed to Mrs Val Roberts (ext. 3618).

All staff of the Centre are looking forward to the opportunities and challenges set by the new arrangements and hope that they will be able to work closely with all sectors of the University.

The Friends

Enjoying active participation

THE FRIENDS of the University would like to welcome all staff and students to the beginning of the new academic year. This promises to be an exciting year for the University, and the Friends' organisation, based in the University's Planning and Marketing Branch, is enjoying active participation in the promotion of our University.

The Board of Directors has met twice recently to work on a set of objectives appropriate to the Friends' resources, following the establishment of a mission

statement for the Friends late last year. The mission statement reads:

To create and enhance, through the Friends' unique access to both The University of Wollongong and the local community, understanding, pride, enthusiasm and support for the role and achievements of the University.

We shall keep you informed regarding specific events being organised by the Friends as details are finalised.

In the meantime, for those who may not already be aware, Muriel Murada is leaving. Muriel has been Secretary to the Friends for the past three and a half years and has now decided to have more time to herself. We are very sorry to be losing her but we wish her all the very best and thank her for her enormous contribution to the work of the Friends.



Muriel Murada (right) holding the vase by Simon Tognetti, which was presented to her by her colleagues. On the left, Juliet Richardson, Friends' Executive Officer, holds the Howard Mitchell painting of Wollongong Harbour, presented to Muriel on behalf of the Friends of the University

NEW UNIVERSITY COUNCIL

The new University Council, the governing body responsible for the efficient management and the development of the policy for the University, met for the first time on Friday 2 February 1990. Under new legislation effective from the beginning of 1990, Council membership was reduced, from its previous membership of 29, to 18 members. The Council is now composed as follows:

Ex Officio

The Chancellor Mr Justice R.M. Hope
(four year term)

The Vice-Chancellor Prof. K.R. McKinnon)
The Chairman of the Academic Senate Professor R.C. King)
(For the term of the member's appointment to the office)

Two Parliamentary Members

The Hon. Mr E.P. Pickering
(N.S.W. Legislative Council)
Mr C.J. Downey
(N.S.W. Legislative Assembly)
(Until replaced by the respective Houses of Parliament)

Four Members appointed by the N.S.W. Minister of Education

Mrs S. Chapman
Dr B.S. Gillett
Mr R. Oxley
Mr G. Parker
(Four year terms)

One Member appointed by the Council
Yet to be determined by Council

Four Members Elected by Convocation

Mr G. Butler)

Dr W. Ward)

(two year term)

Ms S. Nixon)

Associate Professor R.W. Upfold)

(four year term)

Two Members Elected by the Academic Staff

Dr M.J. Lowrey (two year term)

Dr J.R. Panter (three year term)

One Member Elected by General Staff

Mr R.B. Parker (three year term)

One Member Elected by Students

Mr D. Morrissey (two year term)

Meeting dates

In 1990 Council will meet on Friday, April 6, June 8, July 27, October 12 and December 7.

February meeting

Items of interest arising from the Council's February meeting include:

Deputy Chancellor

Dr Brian Gillet was elected Deputy Chancellor for a two year term of office.

Japanese Studies

Council endorsed in principle the introduction of Japanese studies in 1991.

Professor Maloney, Head, Department of Languages, and Assoc. Prof. J. Hagan,

Dean, Faculty of Arts, will oversee the progress of this development.

1989 Financial Statements

The Council endorsed and forwarded to the NSW Auditor General the University's 1989 Financial Statements.

University By-Law

Council approved the submission of an amended By-Law to the NSW Minister for Education for presentation to the Governor. The amendments are necessary following the introduction of the new Act; changes in the University's executive structure and the transfer of part of the By-Law to separate Regulations.

Review of Administrative Staffing

Structures in Faculties & Departments

New classifications and progression system approved for secretaries in Faculties, Departments, Schools and Administration. Notable in that the new arrangements permit personal skills and experience to be taken into account in advancement to higher levels.

Illawarra Technology Corporation

Report and accounts of ITC received; ITC's role in applied research, consultancy and technology transfer firmly supported by Council.

The Administrative Structure

VICE-CHANCELLOR & PRINCIPAL
(Prof. K.R. McKinnon)

VICE-PRINCIPAL (ADMINISTRATION)
(Mr K.E. Baumber)

EEO
(Dr Peg MacLeod)

- Affirmative action
- Anti-discrimination
- Freedom of Information

PERSONNEL SERVICES
(Mr C. Grange)

- Academic Staffing
- Appointments
- General Staffing (Appointments)
- Employee Assistance
- Industrial Relations
- Classification and Remuneration
- Salaries, Leave, Superannuation
- Occupational Health/Safety

STUDENT SERVICES
(Mr T. Brew)

- Undergraduate Student Administration
- Admissions
- Examinations/Records
- Summer Session
- Counselling
- Careers/Appointments
- Student Liaison
- Non-collegiate accommodation

ACADEMIC SERVICES
(Mr P. Wood)

- Research & Post-graduate Studies
- Secretariat
- Faculty Services (including Faculty Officers)
- Committees
- Graduation
- Calendar, Annual Reports
- Registry
- Word Processing

BUILDINGS & GROUNDS
(Mr K. Turnbull)

- Physical Planning
- Construction & Development
- Building Projects
- Design of Buildings and Site Services
- Maintenance and Services
- Maintenance
- Landscape and Grounds
- Administration and Property
- Furniture

FINANCIAL SERVICES
(Ms S. Smith)

- Financial Planning (including Budgets)
- Accounts
- Business & Office Services
- Printery

PLANNING & MARKETING
(Ms A. Lawson)

- Planning
- Planning
- Policy Development
- Projects
- Management Information
- Statistics
- Marketing
- Schools Liaison
- Publications
- PR (International and local)

ADPU/COMPUTING
(Mr M. Rogers)

- Analysis & Design
- Operations
- Programming

Deans Appointments

The current terms of Deans and sub-Deans extended up to six months beyond their original four year term (due for expiry in mid June 1990) to allow for necessary overlap and continuity especially during key admissions and course preparation periods.

Academic Calendar

The following Calendars have been approved by the University Council.

1991

Summer Session

10 - 21 December 1990 (2 weeks)
24 Dec. 1990 - 4 Jan. 1991 (recess - 2 weeks)
7 January - 8 February 1991 (5 weeks)
11 - 15 February 1991 (exams - 1 week)

Autumn Session

18 - 24 February (Orientation week)
25 February - 31 March (5 weeks)
1 - 7 April (recess - 1 week)
8 April - 9 June (9 weeks)
10 - 16 June (study recess - 1 week)
17 - 30 June (examinations - 2 weeks)
1-14 July (recess - 2 weeks)

Spring Session

15 July - 29 September (11 weeks)
30 September - 13 October (recess - 2 weeks)
14 October - 3 November (3 weeks)
4-10 November (study recess - 1 week)
11 Nov. - 1 Dec. (exams - 3 weeks)

1992

Summer Session

9-22 December 1991 (2 weeks)
23 Dec. 1991 - 5 Jan. 1992 (recess - 2 weeks)
6 January - 9 February (5 weeks)
10 - 16 February (exams - 1 week)

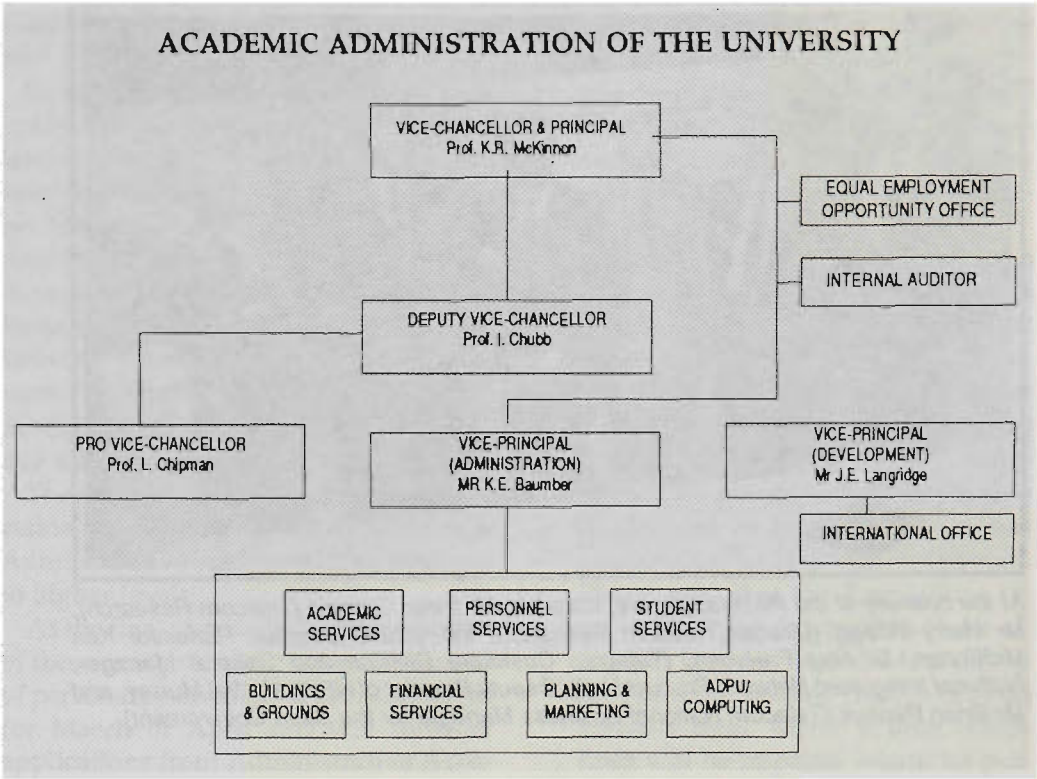
Autumn Session

24 February - 1 March (Orientation week)
2 March - 19 April (7 weeks)
20 - 26 April (recess - 1 week)
27 April - 14 June (7 weeks)
15 - 21 June (study recess - 1 week)
22 June - 5 July (exams - 2 weeks)
6 - 19 July (recess - 2 weeks)

Spring Session

20 July - 27 September (10 weeks)
28 September - 11 October (recess - 2 weeks)
12 October - 8 November (4 weeks)
9 - 15 November (study recess - 1 week)
16 November - 6 December (exams - 3 weeks)

Mr Michael Brinston, Director General, TAFE, (left), and Professor Ken McKinnon, Vice-Chancellor of the University, with the booklet TAFE Students' Guide to Advanced Standing in The University of Wollongong'



Benefits for students and the community

OVER THE PAST YEAR , senior officers of the NSW Department of TAFE and The University of Wollongong have been involved in discussions designed to enhance the articulation of students between the two institutions.

A co-operative spirit has long existed between the University and TAFE, particularly the Wollongong College of TAFE. This spirit has been exemplified by sharing of physical resources, joint development of University Preparation Courses and advanced standing for TAFE Certificate holders who enter university studies.

The committee formed between the University and TAFE has been looking at

building upon this co-operative spirit by improving course articulation, credit transfer arrangements and joint curriculum development. Benefits will be the creation of a more highly skilled, flexible and productive workforce.

For the first time in NSW a Joint Agreement has been signed between the Chief Executives of TAFE and a university.

The agreement:

- . formalises the achievements already made;
- . commits both institutions to develop further this co-operative relationship; and
- . publicises the relationship by launching a booklet *TAFE Students' Guide to Advanced Standing in The University of Wollongong*.





At the opening of the R&D facility are, from left, Mr Peter Gerrard (Telecom Research), Mr Harry Wragg (Director, Telecom Research), the Vice-Chancellor, Professor Ken McKinnon, Dr Ray Freeman, (Telecom Customer Division and General Manager, National Integrated Network Product Unit), Deputy Premier of NSW, Mr Wal Murray, and Mr Brian Penhull (Telecom National Business Manager for the State Government)

University Telecom Collaboration

THE establishment of a high-level research and development facility staffed and funded by Telecom Australia and located at The University of Wollongong was announced towards the end of 1989. And this month Telecom staff are

expected to move into Stage 2 of the Illawarra Technology Corporation Limited.

Approximately 20 software engineers are expected to be recruited to the Centre. Moreover, some \$2m is to be invested during the first year of operation. The centre is to develop customised intelligent network solutions and ISDN applications to meet Telecom's user requirements.

External lighting

THERE have been queries in recent times concerning the adequacy of the external lighting on campus. This statement is to inform you of recent developments, future planning and problem areas.

The very significant growth in the University, apart from increases in both staff and student numbers, has brought expansion of the physical facilities on campus including lighting. New buildings and other physical improvements such as car parks, roadways, entrances and so on have been constructed. More of the campus is now effectively used but this expansion is being supported with further development of other physical infrastructure such as footpaths, landscaping and external lighting.

Since 1984, an average of \$60,920 a year has been spent on additional external lighting. These funds have been drawn from a number of sources — building projects, minor works and the general development fund. Additional road and footpath lighting to the value of \$20,400

was installed in December 1989.

The number of independently mounted 'lollipop lights' and high-level mast lights installed each year since 1984 is as follows.

Lollipop Lights	High Mast	Level Lights
1984	20	-
1985	17	9
1986	7	4
1987	34	8
1988	43	9
1989	8	5

In addition, a number of low-level bollard lights and wall-mounted external lights have also been installed during this period.

Consulting Engineers in 1987 reported on the effectiveness of existing external lighting and areas requiring future development. Their 74-page report included recommendations for future expansion of lighting provisions in appropriate parts of the campus using as the standard the

SAA Public Lighting Code AS1158.1-1986, the code used in Commonwealth institutions.

As the amount of funding available each year for lighting — as with other needs — is limited, priority for expansion has initially been given to particularly dark but well used areas. Other recommendations in the report are providing the basis for planning the installation of additional lights and upgrading existing lights.

Maintenance of lighting in good repair is a growing problem. The reasons go beyond usual mechanical malfunctioning. Vandalism and unauthorised interference are causes of major concern. Not only do such actions cause inconvenience to people on campus but the cost of repair and rectification is high and is an obvious drain of resources away from further improvements. While such mindless acts persist, attention must be given to the early rectification of the malfunctioning lights; all external lights have now been clearly numbered to permit quick and positive identification for reporting of faults.

Despite the rapid growth that has taken place on the campus over recent years and with limited resources for infrastructure development, it has still been possible to maintain and even enhance the attractiveness of the campus. Visitors returning after absences of some years comment most favourably on the development of the campus. At the recent presentation of awards for the annual City of Wollongong Garden Competition, the University was specifically commended for its role in the physical development of the region. The campus landscape also attracted very favourable and enthusiastic comment in the questionnaire completed by visitors at last year's Open Day.

As the foliage increases, however, lights are obscured or become less effective; some interest groups on campus oppose trimming to increase the benefits of the lighting but this will sometimes be necessary. We have to keep safety as well as beautification in mind.

The University has a responsibility to accommodate these competing demands, but the need to ensure that adequate external lighting is installed and maintained at an effective level is fully appreciated. Every effort will be made to ensure that this is done to the extent to which finance can be found.

K.R. McKinnon
Vice-Chancellor



Staff Roundup

Review of Departmental Administrative Staff

THIS REVIEW has now been brought to a conclusion. The resulting policy decisions were taken by Council at its 2 February 1990 meeting and salary adjustments for the Secretaries were paid on 15 February 1990. Essentially, there are two outcomes of the review.

The first is the creation of a new classification stream, Administrative Assistant, with three grades, grade 1, 2 and 3. The new stream recognises that administrative support to Departments is no longer founded upon keyboard and narrow and traditional secretarial tasks. Responsibilities have broadened significantly. Technological change has impacted on other administrative staff and narrowed the gap between Secretarial Staff.

The new stream effectively integrates administrative, clerical and keyboard roles, although levels of Word Processor Operator and Office Assistant still remain beneath the new Administrative Assistant Grade 1 level. Former Depart-

mental Secretaries are now Administrative Assistant Grade 1.

In addition, these people may now apply for personal promotion to high levels of Administrative Assistant and even eventually to Administrative Officer. The procedures and guidelines which cover these are laid down in a booklet on Personnel Promotion, available from the Personnel Department. In particular, the University will recognise goal achievement, superior task performance, the development of additional skills, initiative and commitment.

The mechanism will replace reclassification as the way in which these new Administrative Assistants may progress to higher levels.

As the final step in the implementation of these new procedures, a special round of personal promotions is being arranged for March or April and will consider applications from Administrative Assistants who had already spent 12 months on the top of the old Secretary range.

Salary adjustments were retrospective to 7 June 1989 and have been paid. More information is available from the Personnel Officer General Staff, Peter Maywald, on extension 3798.

Academic staff

Applications for

- Conversion to a continuing appointment
- Conversion to a continuing appointment and promotion

to be considered at the June meeting close on April 13.

Further information from Irene Burgess ext. 3202 or Ross Walker on ext. 3934.

Parking arrangements for 1990

FOLLOWING a recommendation made by a sub-committee of Planning and Development Committee, changes have been made to the parking arrangements for 1990.

1. As in the past, there will be restricted and unrestricted parking areas. Holders of an unrestricted, Category 1 permit, may park in both the red and blue areas of campus. Holders of a restricted, Category 2 permit, may park in the blue areas only. Differentiation between red and blue areas will now cease at 4.30 pm instead of 5 pm.
2. The cost of permits has remained unchanged since their introduction in

1987. In 1990 the fee will be increased in line with movements in CPI in the intervening years to:

Category 1: \$65 (1989: \$55)

Category 2: \$25 (1989: \$20)

3. As in the past, staff are permitted to purchase Category 1 permits only. From 1990, students will also be permitted to purchase Category 1 unrestricted parking permits. To cater for the anticipated increase in demand for 'red stickers' the number of red parking spaces has been increased from 501 to 812 spaces. This does not include spaces reserved for Deans and Departments.

4. To facilitate parking for staff who are constantly entering and leaving campus during the day, approximately 50 spaces have been reserved for Deans and Departments. The Head of Department is responsible for determining the use of departmental spaces.
5. In an effort to discourage abuse of the parking regulations, there has been a significant increase in penalties. A breach of the regulations will now incur a fine of \$20 (1989 \$10). The 50 per cent discount of payment within three working days will still apply. A differentiated penalty of \$40 for parking in disabled or hazardous areas has also been introduced with no discount. Please note that the Regulations require 1990 parking permits to be affixed to vehicles from the first day of the Autumn Session. There will be an amnesty until March 9, after which fines will be imposed where no permit is affixed to the vehicle.
6. From 1990, regular visitor permits costing \$10 each will be available for visitors who frequent the campus. Applications for these permits must be made in writing to the Vice-Principal (Administration) and be supported by a recommendation from the Head of a sponsoring unit.
7. Application forms for 1990 parking permits are now available from Business Services (ext. 3077). In future years, if a staff member is registered as paying for his or her permit by salary deduction, a new parking permit will automatically be sent prior to the beginning of the Autumn session and a new application form will not be required. However, you will still need to advise Salaries if you wish to revoke the salary deduction authority, or advise Business Services of any other changes to information recorded on your application form.

K.E. Baumber

Vice-Principal (Administration)

Australian Chamber of Manufactures

Training program

THE Australian Chamber of Manufactures South Coast Centre in association with ITC Uniadvice will be presenting a series of essential workshops and seminars this month: *Situational leadership workshop*, designed for executive/senior management, on March 15; *Effective decision-making and meeting skills*, on March 22. For information contact Graham Frost (042) 26 8888.

GRADUATE PROGRAMS IN COGNITIVE SCIENCE

Introduction planned for 1991

THE University of Wollongong is planning to introduce an integrated program of graduate study and research in Cognitive Science from 1991. This will provide PhD and Masters programs involving research theses and project work, together with entry one- and two-year course work programs at the Graduate Diploma and Masters level depending on the background and experience of each candidate.

The large group of teaching and research staff who will contribute to the program are currently engaged in related activity in virtually every Faculty of the University, and the plan is to co-ordinate and develop this activity in conjunction with several new appointments within a Graduate School of Cognitive Science.

The coursework is designed around four foundation courses (Introduction to Cognitive Science, The Brain and Movement, Cognitive and Functional Psychology, Artificial Intelligence and Neural Computing) and four extension courses (Contemporary Philosophy of Mind, Construction of Knowledge, Language and Linguistics, Computation Neurobiology and Adaptive Expert Systems).

It is intended that an individual program of study be tailored to the background and interests of each graduate student, with project and thesis research work available even in the entry programs to those sufficiently qualified.

The planned establishment of the Graduate School of Cognitive Science comes at a time when, from 1990, Cognitive Science has become funded by the Australian Research Council as a National Priority Area, and both the Australian Departments of Employment, Education and Training (responsible for the ARC) and the Department of Industry, Technology and Commerce in Canberra are increasingly recognising the industrial relevance and strategic importance of cross-disciplinary research and workforce training in Cognitive Science.

As an example of strategic developments elsewhere, in Japan a major program to follow on in 1992 from the well-known 5th Generation Computing Proj-



*A. Professor Peter Burton,
convener of the Cognitive
Science Group*

ect will be the Neural Computing Project and this is being driven by advances in Cognitive Science. Apart from incorporating the findings of the 5th Generation project, this project will consolidate and develop findings from the current Frontier Neuroscience Program, as well as those of the hardware programs in Parallel VLSI and Opto-electronics. The Japanese Government sees this new project as a major route to advanced computer-based services and applications in such areas as telecommunications, electric power control, medical diagnosis, character recognition and parts inspection, disaster prevention, weather forecasting and commodity and financial-market analysis.

For similar reasons, the ESPRIT program of the European Economic Community has already begun its second four-year phase of major funding. In Australia developments have been more measured and less specifically computational in focus, as the new membership of the Australasian Society for Cognitive Science attests.

Literature and the Law

THE FIRST Australian conference, a joint initiative from the English Department at the University of Sydney and the Faculty of Law at Monash University, will explore the relationships between law and

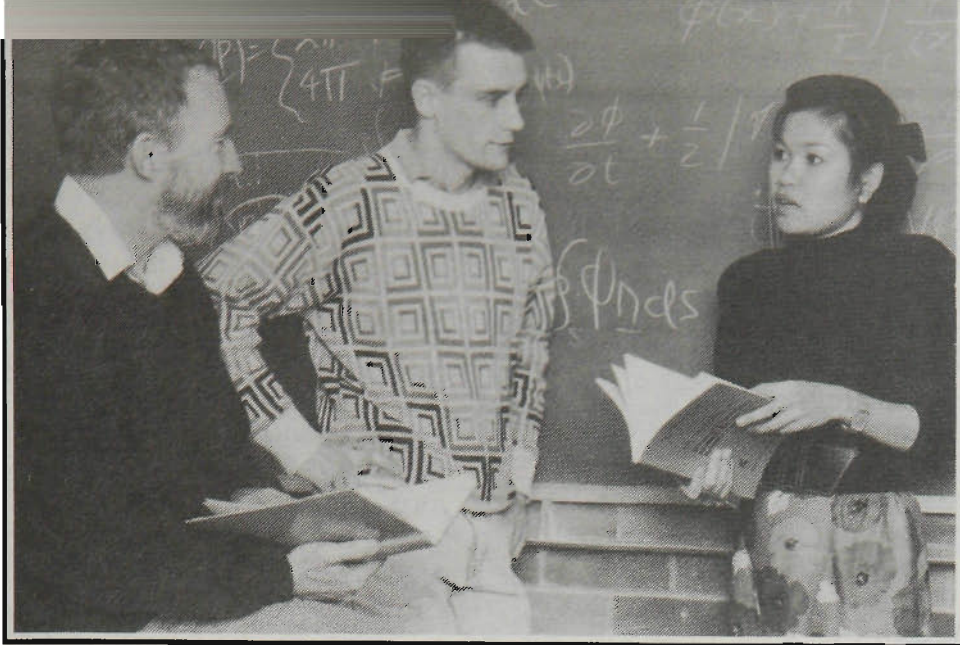
Apart from its commercial relevance, Cognitive Science also addresses intellectual issues of the first magnitude. Understanding the nature of the human mind and its processes of knowing is one of the great challenges of contemporary natural science. Some features of the mind such as consciousness have been documented puzzles for thousands of years! Cognitive Science seeks to draw upon the skills and methodology developed in many of its subsidiary disciplines to attain a better perspective on human learning and behaviour, with the aim of comprehending, and conceiving better practical ways of fostering, knowledge acquisition and enhancing the development of human expertise.

The staff of the University of Wollongong in the Cognitive Science Group who have been promoting the integrated development of teaching and research programs in this area have been active since 1986 in seminar and discussion programs designed to draw together a rigorous and well-formulated program. What has resulted is a planned program which not only reflects individual perspectives and disciplinary expertise of the staff, but also provides for the student of the program a coherent introduction to the various levels of study (e.g. the 'wet-ware' of the brain, the 'process-ware' of psychology as well the 'software' of adaptive computer system models of human expert performance) appropriate to Cognitive Science. During the courses, emphasis will be placed on development of a wide range of practically-orientated technical skills, analytical ability and excellence in communication.

The Cognitive Science post-graduate programs must be limited initially to 35 places with entry highly competitive; candidates will be expected to have excellent academic backgrounds. Those seeking further information and wishing to register interest in the program may contact the convener of the Cognitive Science Group, Associate Professor Peter Burton, at the University on (042) 27 0505.

literature and their methodologies at the University of Sydney from April 20 to 22. Next year's conference will be held at Monash. Writers and lawyers, as well as literary and legal academics, have been invited to participate.

Registration closes on March 31. Details from Dr Simon Petch or Ms Penelope Pether, Department of English, University of Sydney, NSW 2006.



Applied Maths PhD students perform well

THREE students from the Department of Mathematics – Adrian Pincombe, John Best and Antoinette Tordesillas – pictured left to right – performed well in the Sir Thomas Cherry Prize, awarded annually for the best student paper judged on content and presentation. The awards were presented at the 26th Australian Applied Mathematics Conference which was held recently at Coolangatta. This is an annual gathering of scientists, engineers and mathematicians whose research work involves applying mathematics and computing to real-world problems.

John Best received the Cherry Prize and Antoinette Tordesillas was nominated as

one of two students who received special mention. In view of the large number of well-presented talks, our students can be well pleased with their performance in what is after all a nationwide, highly competitive environment.

Other talks from the Department of Mathematics were presented by Professor Jim Hill, Dr Tim Marchant and Dr Noel Smyth. In addition Dr Des Hill, who was recently moved from Wollongong to a lecturing position at the University of Western Australia, presented a paper on work undertaken last year in this department.

James M. Hill

Tie Hua Huang

THE Long Gallery starts its 1990 program with a solo exhibition of traditional Chinese watercolours on rice paper by The University of Wollongong Visiting Scholar and Master Painter, Tie Hua Huang.

A special feature of the preview to be held on Thursday March 8, and for that night only, will be works by other Chinese Masters, in the collection of Tie Hua Huang, from Beijing, Canton, Nanking and Shanghai.

Tie Hua began to paint with the traditional Chinese brush when five years old and later he learnt painting from the Great Master Qi-Zhan Zhu, now aged 99. Tie Hua subsequently exhibited his paintings in Hong Kong, Japan, America and in Paris.

Tie Hua's exhibition coincides with his period in the School of Creative Arts as Artist-in-Residence. For a period of six weeks Tie Hua will utilise a studio where he will paint and interact with staff and

students of the University who will thus have a rare opportunity to discuss Chinese art, Tie Hua's work and, at times, watch him painting.

Tie Hua has numerous books devoted to the work of 20th century Chinese artists: books printed in Shanghai, all lavishly illustrated in colour. Looking at them leaves no doubt that traditional Chinese painting is still very much alive and although each of these artists employs a similar technique and a commonality of subject matter, there are pronounced differences of realisation of similar or identical subjects.

Friends of the University, staff and students and Gallery visitors will have opportunities to meet the artist. Times will be posted in the Gallery when he is working in the studio. His work will be on display at these times:

Gallery Opening: Monday to Friday, 10am - 1pm and 2 - 4pm, Sundays 1.30 - 4pm. Preview: Thursday March 8 to Sunday April 8, from 7 to 8.30pm. Exhibition to be opened by the Vice-Chancellor, Professor Ken McKinnon at 7.30pm.

Sackcloth and ashes corner



We owe an apology, and a pretty big one, to Dr Winifred Ward (above). In a caption to her photograph in the last issue of the University Gazette for 1989, we described her as having received at the October graduation ceremony an honorary PhD from the Department of History and Politics. Dr Ward's degree was of course, as the accompanying article pointed out, very much earned the hard way. Our apologies, Dr Ward...

Aboriginal Education Grant

A GRANT of \$470,143 has been made to The University of Wollongong under the Federal Government's 'Participation in Higher Education by Aboriginal People' program. The grant was announced by the federal member for Macarthur, Stephen Martin, last month.

The grant will be for an orientation program, Aboriginal Studies Unit and student support. Under the Federal Government's Aboriginal Education Policy, more than \$25 million has been allocated to Australian universities and colleges.

More than \$13 million will be provided for additional places for Aboriginal students under the Aboriginal Participation Initiative, and more than \$7 million to increase access and participation by Aboriginal students under the Aboriginal Education Strategic Initiatives Program.

Research seminar

Department of Electrical and Computer Engineering
Monday March 12, 12.30 to 1.30 pm in room 35G45. Mr David Hughes, Congestion control in a broadband integrated services digital network.

Compact discs in the Library

THE LIBRARY has received five more databases on compact disc: ACADEMIC INDEX (social sciences and general information), CINAHL (nursing and medical data), compendex (engineering index), mathsci (mathematics), OSH-ROM (occupational health and safety). These are in addition to the databases already held: ABI/INFORM (business and management), BUSINESS PERIODICALS INDEX, CCINFO (occupational health and safety), DISSERTATION ABSTRACTS, ERIC (education), MEDLINE, PSYCLIT, SOCIOFILE, SUPERMAP (census data).

With 14 databases and three to come, it will be difficult for library staff to offer individual training sessions except in special circumstances. Instead, group sessions will be offered at various times for the different systems, and tutorials will be available on the discs to supplement the instructions prepared by the staff. Students may need to learn more than one system if their search covers several disciplines.

Dialog System: COMPENDIX, ERIC, MEDLINE

Silver Platter System: CINAHL, MATHSCI, OSH-ROM, PSYCLIT, SOCIOFILE
UMI System: ABI/INFORM, DISSERTATION, ABSTRACTS

Group session schedule

Sessions to be held in Library Seminar Room 5

Academic Index

March 7 (11.30am)

Dialog

March 6 (2.30pm), March 7 (3.30pm),
March 14 (10.30am), March 15
(12.30pm), March 21 (10.30am), March
22 (2.30pm)

Silver Platter

March 6 (12.30pm), March 7 (9.30am),
March 14 (12.30pm), March 15 (2.30pm),
March 21 (12.30pm), March 22 (10.30am)

UMI

March 6 (10.30am), March 7 (1.30pm),
March 13 (2.30pm), March 14 (2.30pm),
March 21 (2.30pm), March 22 (12.30pm).

No bookings will be necessary. Just make a note of the date (and time) which suits you, and turn up on that day.

For further information contact the Information Desk (27 0548) or Mary Tow, Online Services Librarian (27 0536).

Mind before matter?

TO WHAT EXTENT extent is brain important in sport and to what extent is muscle? Both, of course, have always counted; but is mind over muscle today the answer to success in athletic sport, rather than the other way round?

In the run-up to *Sport Psychology: from Theory to Practice*, a new book by Mark Anshel in the Department of Human Movement Science, the author spent a good deal of his life trying to find out.

Psychology is no lightweight. Dr Anshel's book was a decade in the making, half of that spent researching (talking to and working with athletes) and the other half in more research, writing, and editing. As the title suggests, the psychology of sport is an important element in the search for maximum performance.

The book runs to some 400,000 words. The publishers are Gersuch and Scarisbrick, of Scottsdale, Arizona.

The publisher's price is \$US29. And, thanks to the anomalies of book publishing in Australia, the price here (the work is on sale in the Co-op bookshop) is \$51.

EEO news....

By now you will have received a memo from the Vice-Chancellor regarding our 1990 EEO staff survey. We are required by the Office of the Director of Equal Opportunity in Public Employment to gather additional information from staff every five years as an adjunct to our Annual Report on the University's EEO Management Plan.

Every member of staff is being asked to complete the confidential questionnaire which will be distributed on March 27. You may complete the questionnaire during work time and you should do so, preferably within 24 hours of receiving it. All answers will be completely anonymous and the resulting statistics will be presented in a form which prevents any identification of individuals. A report will be prepared and made available to all staff. In addition, the Director of Equal Opportunity in Public Employment will publish a report on the current position of women, Aboriginal women, people from a non-English speaking background, and people with a physical disability in NSW public sector employment.

Your co-operation is necessary to ensure this project is a success.
Peg MacLeod, EEOC, ext. 3917

Books and Reading

Luigi Pirandello

the humorous existentialist

A JANUARY BIRTH was the book (the first to be wholly produced within the University Press) by Dr Madelaine Strong Cincotta.

The title is *Luigi Pirandello* and the subtitle, *The humorous existentialist* gives a clue to the theme. Dr Cincotta sees a strong link between Pirandello and the French existentialist, Jean Paul Sartre.

The link came to the author in 1964, when she was seeking a thesis topic for her PhD. Six years on, the thesis is bound and in the Union bookshop – and being translated into Italian.

The work of translation has led to other things. Madelaine is translating a book of poetry (in blank verse) dealing with a favourite theme of romantic writers. Its title is *The Garden of the Finzi Contini*.

As well as being available from the Union bookshop *Luigi Pirandello* is also available from the distributors, Astam Books, telephone (02) 550 3855.

Advertisements

TUTOR NEEDED

Tutor in Advanced Chemistry and Physics needed for HSC student wishing to study medicine next year. Keiraville area. Tel. ext. 3079 or 29 4832 after hours.

ACCOMMODATION WANTED

Recent member of staff (lecturer) is seeking accommodation (room only or guest house type) for two to three nights a week, for one semester. Preferably near the University and/or rail station. Tel. Paul Patterson, Department of Management, 27 0761.

FOR RENT

Total serenity at *Bulli Heights*. Contemporary two-bedroom pole frame house on escarpment, views of bushland. As-new facilities. Handy to Wollongong, shopping, five minutes to beach, easy exit to Sydney. Essential furniture provided, if required. \$170 p.w. Tel. 83 7284.

Three-bedroom fully-furnished home available for rent between July and November. *Mt Ousley*, close to University and schools. Contact David Ayres ext. 3340 (Biology) or 84 0521.

FREE FLOPPY DISCS

The Sociology Department has about 100 5 1/4" floppy discs to give away to any department/unit requiring them. The discs have been used (on a Wordplex computer) but the contents can be wiped. Contact Sociology secretary, Beverley Symons, on ext. 3745, or call into room 19.2094.

FOR SALE

1979 *Saab Turbo* 900/5 door hatch/White Mint. Excellent cond., air, sunroof, alloy wheels, etc. 155,000 km. Reg. to Sept. Enthusiast's performance. Owner going overseas. 000 197. \$11,500, offers considered. Tel. 83 7284.

Apple II Europlus, disk drive and printer, assorted software. \$300. Tel. 28 1843.

WANTED

Duplo, Lego, good quality toys and child's car seat. Tel. Roger ext. 3439.