

CAMPUS NEWS

A MAGAZINE FOR THE UNIVERSITY

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ORIENTATION 1977



WELCOME TO NEW STUDENTS

From the Vice-Chancellor From the S.R.C. President



VICE-CHANCELLOR, Professor L. Michael Birt.

The University of Wollongong has a unique identity on the Australian university scene. Its history as a College of the University of New South Wales already has established its reputation in the academic world along with older, long-established Universities. However, its recent development as a University can offer the freshness of approach and the enthusiasm and comradeship of those engaged in a new enterprise.

One of the advantages of the University's relatively small size is that students have the opportunity of maintaining close personal ties, both academic and social, with members of staff, thus contributing to the future of the University as a true community of learning.

At Wollongong, students also benefit from the close contact which has been established between the University and the community, of which the University is an integral part. Students are encouraged to explore for themselves the nature of this association, thereby attaining a greater understanding of their own role in society.

I welcome you to membership of the University in the hope that through participation in its affairs, for which there is considerable opportunity, and the attainment and wise use of new knowledge, your experience here will be as rewarding to you as it is valuable to the University and society generally.

**L. Michael Birt,
Vice-Chancellor.**



S.R.C. president, Mr. Des Jamieson.

A welcome to all new students. Most of you will be new not only to the university style of study but also to the wider implications of university situations as a way of life.

There will be many situations which you will not have had to cope with - the need to make new friends, evening lectures, and more free time. You will need to learn to adjust your life to cope with the conflicting demands of social and academic interests.

To help you settle in, Orientation Week has been arranged. During this time, it is hoped you will meet new people, particularly other first-year students, participate in the social activities and learn what is expected of you academically through introductory lectures. Most important is the Special Orientation Day which has been introduced this year.

I am sure that the staff and students, already here, are happy to have fresh ideas coming into this young university. With such a young university, there are many teething problems as its structure becomes established. Your own participation and your continual questioning can contribute to this process. At the same time, use the structure for your own ends - Departmental committees, Faculty, Senate, the S.R.C. are there to be used by you. It works both ways.

Remember, however unfriendly people may appear at first, they are usually only too willing to help. Don't be afraid to discuss your problems. The personality of a university is the blending of all the personalities of the people contributing, academically and socially.

Good luck with your university life.

**Des Jamieson,
President, S.R.C.**

Who is in charge

The principal officers of the University are:

Chancellor: The Hon. Mr. Justice Robert M. Hope.

Vice-Chancellor: Emeritus Professor L. Michael Birt.

Deputy Vice-Chancellor: Professor Austin Keane.

Registrar: Mr. Ron Stewart.

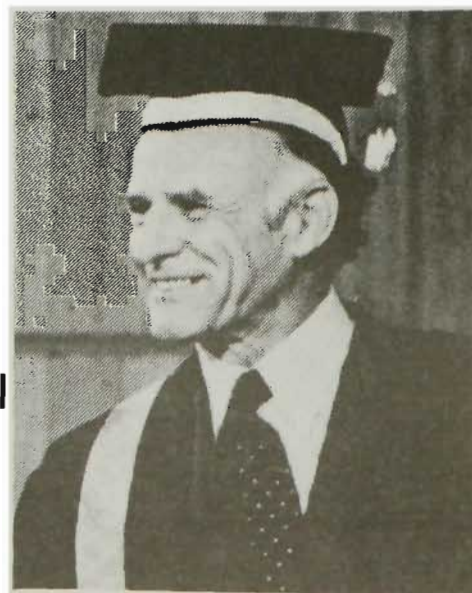
Bursar: Mr. Ben Meek.

Estate Manager: Mr. John Bell.

Speaker joins Council

The Speaker in the N.S.W. Legislative Assembly, Mr. Laurie Kelly, attended his first University Council meeting on December 17 last year.

The Assembly elected him on November 25 to replace the retiring Parliamentary representative on the University Council, Mr. Peter Coleman.



CHANCELLOR, Mr. Justice Hope.



COUNSELLING CENTRE staff (from left): University Counsellor, Ms. Monica Manton; secretary, Miss Marion Allen; and newly-appointed counsellor, Mr. Michael Breen.

The real drug problem is society, says counsellor

The new counsellor at the University of Wollongong, Mr. Michael Breen, sees a society, in which people use heroin because they are bored, as the real drug problem; the heroin users are merely a symptom.

He says few people understand problems associated with drugs.

Mr. Breen, 40, a former Jesuit priest, has designed a programme on training professionals in drug awareness for the N.S.W. Health Commission.

"But the main problem for both students and staff is alcohol," he said. "It causes more grief, and physical and psychological injury than anything else."

Mr. Breen said too often people were "problem centred" rather than centred on how to live a more beautiful and alive existence. "This can be found in anything that is expressive such as literature, poetry writing or playing an instrument.

"One would expect to meet Bazza McKenzie on most campuses before meeting Leonardo da Vinci. Often this image inhibits expression of a person's gentler side, and what one sees is often a form of grossness," he said.

He sees his job at the University as a way to help students fulfil incomplete dreams or to help them dream again, rather than cope on a day to day basis.

"My job is to reflect back to a person what he or she is really like so they can see themselves objectively," he said. "I am

really interested in working with people who want to work on themselves. For myself, I hope to burrow out towards reality."

Mr. Breen came to Wollongong after two years as principal counsellor at the Mitchell College of Advanced Education, Bathurst. After sixteen years training in Australia and America, he became an ordained Jesuit priest in 1968. He left the priesthood in 1972.

During 1973-74 he undertook a project for the United States and Irish Governments in Societal Experimentation on Standardising Testing in Ireland at St. Patrick's College, Dublin.

His publications include "An Experiment in the Teaching of Poetry" and "Growth and Development of the Person". "Mental Health and Orientation of New Students - The Problem and a Tried Solution" is ready to be released.

His hobbies include traditional music of the British Isles and Australia, singing, travel, humanistic psychology and writing.

"I hope to mix among the students as a person rather than a counsellor," he said. "I would like to start up a psychodrama group on campus."

Mr Breen assumed duties on January 24.

THE COUNSELLING CENTRE

Personal difficulties, whether they are the result of pressures on or off campus, can prevent students fully achieving their aims at university.

The Counselling Centre at the University of Wollongong aims to help both students and staff overcome any difficulties which may be affecting their goal in life.

The centre's main objective is to assist people to reach greater self-understanding so that they are able to cope more effectively with future tasks as well as the present.

A counsellor can help a person to focus on realistic solutions to problems which otherwise distract him or her from effective work.

The centre, located in The Hut, regularly deals with problems such as conflict with parents, difficulties in personal relationships, indecision about course choice, doubts about level of ability and concern about employment, finance or accommodation.

The Counselling Centre is intended to be a resource-centre concerned with the quality of life within the university community of students and staff. The Counselling Centre staff want to try to meet real needs, not just supposed ones, so they need to hear from you about your interests.

The counsellors are Monica Manton and Michael Breen. The centre's secretary is Marion Allen.

A brochure outlining the centre's services, aims and objectives now is available on the campus.

UNIVERSITY FILM TO BE SCREENED.

The award-winning film, "University - A New Way of Life", will be shown in the Pentagon Lecture Theatre Three during Orientation Week. Screening times will be 2.30 p.m. to 3 p.m. on Monday, February 21; Tuesday, February 22; Thursday, February 24; and Friday, February 25.

This film is a must for all new students, but all students and staff are welcome to attend.

"University - A New Way of Life" highlights some of the transitional and adjustment problems which students face on entering university. It traces the difficulties experienced by two new students as they progress through first year at university.

The film will also be shown at other universities in N.S.W. during Orientation Week.

Students-meet-staff social

On Monday, February 21, at 5.30 p.m. a students-meet-staff social will be held in the Union dining room. All University staff are invited to attend.

The object will be to give new students an opportunity to continue the cordial relationships which exist between students and staff on this campus.

Later-year students are encouraged to attend in order to facilitate discussion between new students and staff. Refreshments will be served.

Campus government: its operation at

by Professor Geoff Brinson

Universities have always seen their prime task as that of transmitting and extending knowledge, although of course, the nature and extent of knowledge has changed tremendously over the years.

In addition, however, universities have strenuously sought to apply their knowledge to human affairs, and since their beginnings some 800 years ago they have included medicine and law among their responsibilities; these were later joined by subjects such as applied science, architecture and engineering.

While academics often dream of an ideal state such that all knowledge forms some sort of unity, in practice this end is not remotely in sight and, to make progress, knowledge must be divided into manageable fields of study such as French, Mathematics and Biology.

At Wollongong, each department is administered by a chairman and an advisory departmental committee consisting of the academic staff of the department together with elected students and general staff representatives.

Although it is convenient to divide broad fields of scholarship, as for example social science, into individual departments such as economics, psychology and sociology, groups of this sort have a strong community of interests which is reflected in the existence of faculties. These are natural groupings

In the University of Wollongong there are, at present, twenty departments each responsible for a particular discipline. It is in the departments that the essential scholarly work of the University is carried out, and any university is finally judged on the excellence of the teaching and research activities of its departments.

of departments that meet regularly to discuss, for example, the structure of courses and similar matters.

At Wollongong, there are at present Faculties of Engineering, Humanities, Mathematics, Science and Social Science. The memberships of each faculty consist of all academic staff of the member departments together with two student representatives for each member department.

The academic activities of the university as a whole are guided and co-ordinated by the **Academic Senate**. Speaking very generally, it is the responsibility of the Academic Senate to advise the **Council of the University** on academic policies of the University that will promote the teaching and research activities of the University as vigorously and effectively as possible.

At present the Academic Senate consists of the **Vice-Chancellor** together with seven elected professorial members, eight elected non-professorial members, and three student members. To assist it with its work, the Academic Senate has the Registrar, Mr. Ron Stewart, who attends all meetings, and a number of committees such as the Undergraduate Studies Committee, the Research Committee and the Library Committee.

Although the present Senate has functioned quite well, some limitations have arisen because, under the present structure, all departments are not present at meetings to make their own particular contribution. For this reason, a somewhat different structure will be introduced in 1977 such that all

Wollongong

departments are represented. The composition of the new Senate is shown in the diagram.

A very much wider forum for debate is provided by the **Academic Assembly**, which normally meets only twice in a year, but consists of all members of the academic staff, the University Librarian, and twenty elected student members.

Final responsibility for university government rests with the **University Council**; and, in keeping with the University's outward-looking attitude, thirteen of the Council's twenty-one members are drawn from the general community and include members well known in academic, parliamentary, administrative and industrial fields.

Council members from within the University are elected from professorial, non-professorial, and general members of staff, together with two student members. The chairman is the Chancellor, Mr. Justice Robert Marsden Hope.

Overall responsibility to Council for the University's health and good management rests with the Vice-Chancellor, Professor Michael Birt, who is the chief executive officer of the University and the main link between the academic community and the Council.

Finally, it is worth saying again that the reputation of a university rests on the excellence of its teaching and research; an effective structure can help tremendously, but only as a means to the real end.

***Professor Brinson is chairman of the Academic Senate and Professor of Metallurgy.**

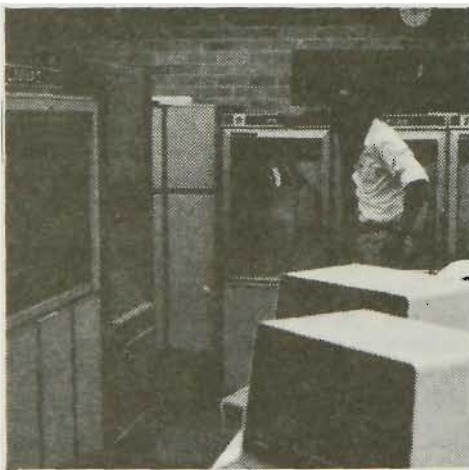
Campus computing is based on UNIVAC

Computing facilities in the University are based on a UNIVAC 1106 which was installed in 1974.

The central-site equipment comprises a powerful central processor unit, a 131,000 36-bit word memory, four large disc drives, three magnetic tape drives, a line-printer and a card reader. Orders have recently been placed with UNIVAC to double the memory size and to add two more disc drives.

Last year an INTERDATA mini-computer was installed in the Computer Room and connected to the UNIVAC 1106. This machine is being developed to take over the control of the communications network and relieve the main computer of this task. It will be used primarily on University Library and Administration applications.

The communications network links several departments on the campus directly to the central computer site. Remote facilities include eight teletypes and three card punches for students' tutorials and individual



work and a research laboratory of five visual-display units, a printer, and graphical display unit.

Two NOVA mini-computers, in Electrical Engineering and Chemistry are also linked to the 1106. Two further mini-computers, a NOVA in Physics and an INTERDATA in Computing Science, are presently used in "stand alone" mode, but will eventually also be linked into the general network.

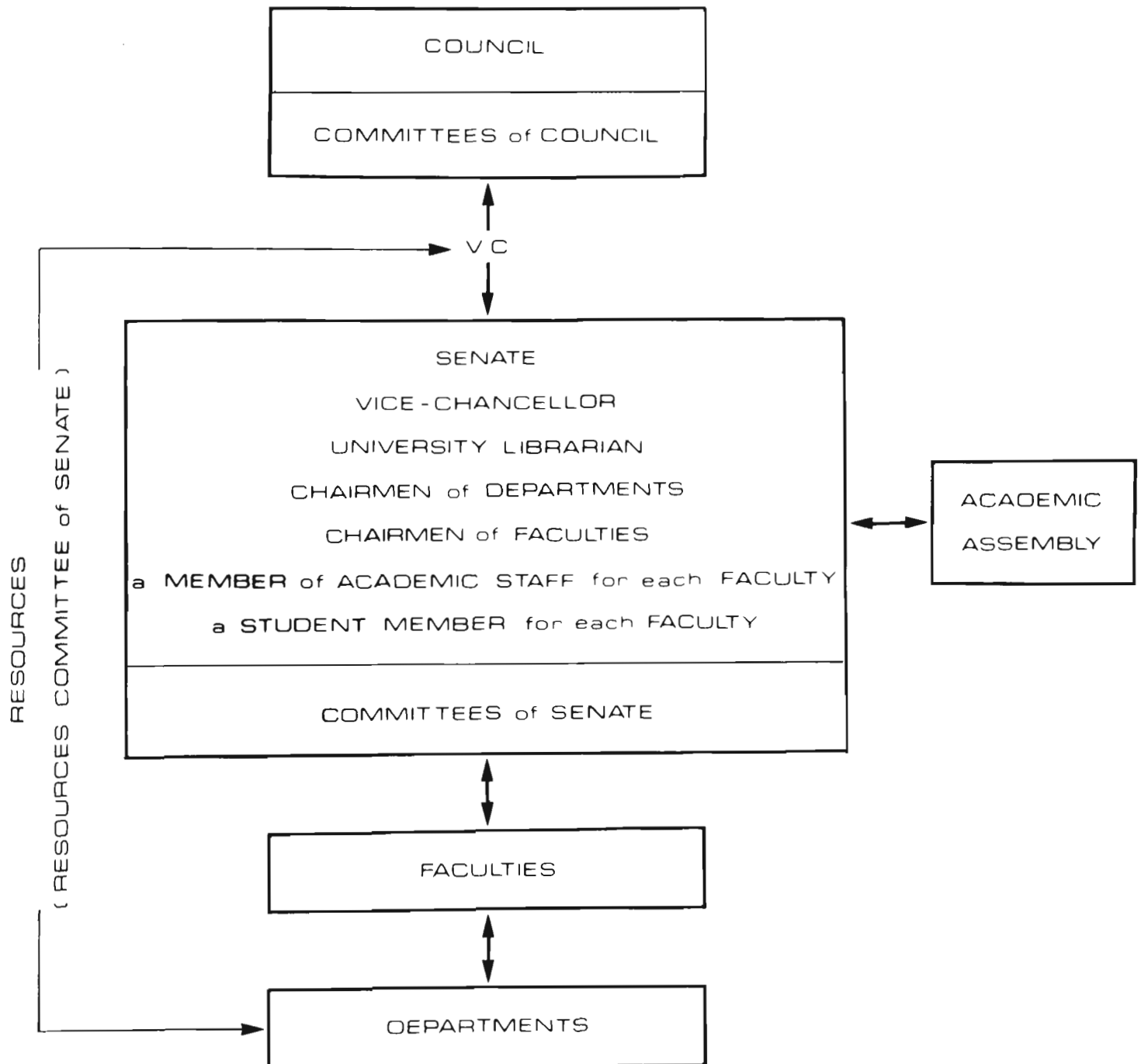
Programming languages taught in the University include Fortran, Cobol, Algol, Basic and PLI. The Computing Science course also includes some Univac Assembler. Several subject-oriented software packages are also used for such topics as statistics, linear programming, simulations, civil engineering and computer aided design.

First-year students' work is submitted in "batch" mode, i.e., in punched card form, to be run normally the same day. More advanced students are able to use the teletypes or visual display units in "demand" mode and thus communicate with the computer interactively. In this way, the student quickly develops the knowledge and ability to take advantage of the powerful computing facilities available.

Course recognition

The University Council has noted that the Executive Committee of the Council of the Institution of Engineers, Australia, has granted full recognition for the pre- and post- 1980 periods to the course leading to the award of the B.E. — Civil Engineering (fulltime and part-time).

UNIVERSITY GOVERNMENT STRUCTURE



How students see the teachers

The way university students perceive their teachers is likely to influence the way they behave towards them. For those of us who have been through the university system, our perceptions are likely to be reasonably based.

It would be a mistake, however, to assume that the various functions of university teachers are self-evident to those who are in the process of passing through the system, or to assume that before coming up to university, students will be adequately informed of the functions of the university staff with whom they will be in contact.

Our informal questioning of first-year students on their knowledge of their teachers' functions certainly disabused us of any assumption that students' knowledge in this area was realistic. We therefore decided to carry out a more formal survey.

We examined the response of 110 first-year psychology students attending their first lecture to questions on their teachers' working week. Students were asked to indicate, among other things, the number of hours per week that a lecturer spent lecturing or tutoring, and in teaching preparation.

They were also asked to indicate in what other activities concerned with the job (that is, other than teaching) lecturers were normally engaged during term. Almost a third of the students did not mention research as a function of university teachers. The knowledge of those who did mention research was limited in that when asked to specify what was involved only 39 students were able to do so.

The extract below is from an article published in **THE TIMES HIGHER EDUCATION SUPPLEMENT** (July 16, 1976, No. 247).

Its authors are Dr. Richard Startup, lecturer, Department of Sociology, University College, Swansea, and Dr. Michael Grunberg, lecturer, and Ms. Shaheen Amaee, research assistant, in the college's Department of Psychology.

Not surprisingly, perhaps, their lack of knowledge extended to the area of administration, where only one third of students mentioned this as an activity in any form. Even in the area where they had most knowledge, teaching, they still exhibited considerable ignorance. For example, students judged on the average that their teachers spent over 15 hours per week on scheduled teaching and a quarter of students believed that the amount was in excess of 24 hours.

Even more revealing was the fact that the majority of students thought university lecturers were formally trained to teach prior to taking up a university post. In other words, students appear to regard their lecturers as essentially "higher order" school teachers. (Fuller details of this study are published in *Vocational Aspect of Education*, volume XXVII, pages 45 to 48.)

Since this study was conducted, we have examined many of the questions further in a study involving first and third year students in a large arts, science and engineering department. The results basically confirm those of the original study. About 62 per cent of first and 23 per cent of third-year students failed to mention research as an activity of their lecturers.

When told that research was an activity of their teachers, and asked to say what it involved, more than half the first year and about a third of the third year students replied "don't know". Again about a third of both first and third-year students thought university lecturers were formally taught to teach prior to taking up their posts.

The picture which emerges is one of considerable ignorance on the part of students of the nature of university teachers' functions. In particular, students regard their lecturers as considerably more teaching oriented than in fact they are.

The lecturers appear to the student to be a "souped-up" school teacher, rather than someone whose career line and interests are different in kind. This picture, furthermore, still appears to be present after two years with the university system, particularly in the arts group, and is not therefore something that will go away if it is ignored.

Clearly such findings point strongly to the need for adequate induction procedures for students entering university, and for adequate discussions with students by their lecturers on the role of those within universities.

University now two years old

The University of Wollongong, Australia's eighteenth university, was established on New Year's Day, 1975.

Its history dates from 1951 when The New South Wales University of Technology, which in 1958 became The University of New South Wales, established a division at Wollongong.

Subsequently, it was decided that the division should become a college of The University of New South Wales.

To finance this project, the State and Commonwealth Governments each contributed \$370,000; the industries and people of Wollongong donated about \$400,000.

The site, bought by the N.S.W. Government, comprised sixteen hectares at North Wollongong, directly below Mt. Keira.

In May, 1961, Wollongong University College was formally constituted; and on March 1, 1962, the Governor General, Viscount de L'Isle, officially opened the new buildings.

Professor C.A.M. Gray, previously Dean of Engineering, University of Malaya, was appointed Warden, a position he held until November, 1973, when Professor L. M. Birt assumed duties as Vice-Chancellor designate. Previously, Professor Birt had been Foundation Professor of Biochemistry at the Australian National University.

In 1962, 280 students were enrolled at

the College which had a teaching staff of 24. First-degree courses offered were: full and part-time Bachelor of Science, majoring in chemistry only, and part-time Bachelor of Science (Technology) in electrical and mechanical engineering and metallurgy. As well as the professional subjects offered in the engineering and metallurgy courses, the science subjects, mathematics and physics, were available to second-year students. ed its complement of subjects. This year, the University is offering bachelor degrees of Arts, Commerce, Engineering, Metallurgy, and Science as well as postgraduate diplomas and masters and doctor of philosophy degrees.

Total enrolments this year should number 2515 students. The University has a staff of 434, of which 151 are full-time academic staff (this includes twenty professors).

The University's recurrent budget this year is more than \$8 million; in addition \$300,000 have been allocated for site and minor works.

At the University's first Graduation Ceremony on June 11 last year in the Wollongong Town Hall, the Chancellor, Mr. Justice Hope, was installed. He conferred the University's first degrees on eighty-nine graduates and one Ph.D. candidate.

\$56,045 for research

A total of \$56,045 has been allocated to academic staff for Category A Special Research Grants for 1977.

The Academic Senate received the Research Committee's recommendations on the allocations, which had been approved by the Vice-Chancellor, at its December meeting.

In all, twenty-nine research projects have been funded.

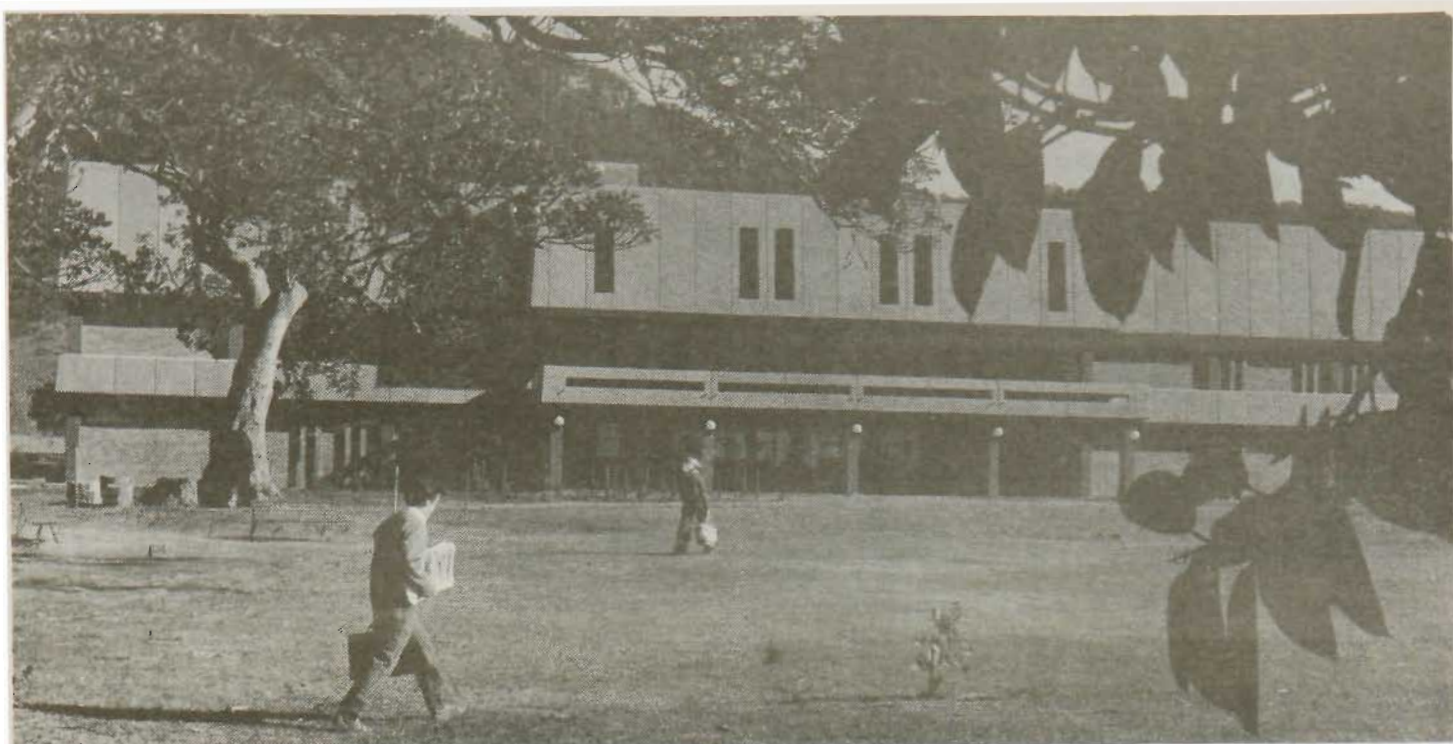
The funds were split up as follows: \$48,959 for personnel, including pay-roll tax and workers' compensation; \$5376 for maintenance; and \$1710 for travel.

1946 Records available

Professor R. G. Neale, Director-General of the Australian Archives, has notified the University that Commonwealth Government records of 1946 are now available to researchers.

The records are expected to be useful to researchers in history, economics or commerce, economic history, politics or government, public administration, Pacific studies, humanities, military and defence studies, and international relations.

Copies of the notification explaining in detail how to gain access to the records are available from the University Archives, first floor (north), Library (ext. 469).



Introducing the University Library

By Mr. Jeff Hazell, University Librarian.

For just over twelve months, the whole of the Library's services have been carried out, and staff accommodated, in the new Library building.

Naturally, in this time there have been "bugs of occupation" to be ironed out, such as airconditioning balances, reorientation of service points, and rearrangement of collections, just to mention a few.

By March this year, life for the Library user, both staff and student, will be more predictable. Those who remember the old circumstances will appreciate the improvements that now exist.

COLLECTION ARRANGEMENTS

Last year there was a concerted effort not only to expand collections laterally within the new building but also to reduce the number of sequences. As a consequence, there will be more readily identified groups of books, the following being the major sequences:

GROUND FLOOR: Reference Collection, Reserve Collection.

FIRST FLOOR: Monographs Collection.

SECOND FLOOR: Serials Collection, Non-Book Materials.

Staff at the Reader Assistance Desk (adjacent to the Circulation Desk) will assist with any inquiries about access to materials. This year for the first time, an officer will be responsible for non-book materials, thereby considerably improving access to the growing amount of holdings in these formats.

READER EDUCATION AND READER ASSISTANCE.

This year it is expected that our reader education programme will really blossom. This was not possible last year because of staff shortages.

Reader education is that aspect of Library service which provides for in-depth assistance in the specific literature of a discipline at all levels for undergraduate, postgraduate and academic staff.

By participating in reader education programmes, Library users will be guided in self-help and will not only save Library staff time but also their own. Academic staff can arrange for group instruction for their students by contacting the Reference Librarian (Miss D. R. Dowe) or the Reader Education Librarian.

Last year several reference publications were produced to assist Library users, such as: Guide to Government Publications, Translating Services, Periodicals for History, Geological Periodicals, and Periodicals - English Language-Literature.

In day-to-day Library use, if you need help, ask staff at the Reader Assistance Desk. Staff will assist in the use of the Catalogues, access to the Reference Collection and use of Library material generally. Enquiries may be directed to this point also (ext. 287).

SOME POTENTIAL TROUBLE SPOTS

To meet their study requirements, many students will need to use the Reserve Collection a great deal. This collection represents material in heavy demand, such as prescribed texts for each course and material for essays, and is subject to loan periods of only three hours. Careless observation of the "rules" in the Library Guide can lead to fines.

Fines are a necessary "evil", so that the Library can ensure a fair sharing of resources. If students observe the loan regulations, there will be no difficulties, and a careful reading of the Library Guide will enable them to avoid fines.

If in doubt, ask at the Circulation Desk, The Late Book Chute can be used at any time the Library is closed; this may save you money.

Photocopying machines are provided for Library users; and it is necessary to be absolutely scrupulous in observing Copyright Act conditions. Relevant sections of the Act have been placed near each machine.

Library Hours are indicated in the Library Guide, and advice about changes in hours is placed on notice boards. The Library does not open before 9 a.m., however, cloakroom facilities are available before 9 a.m. if you wish to use them (including a soft drink machine and a water cooler).

LIBRARY TOURS

Library tours will be held as follows during Orientation Week:

10.30 a.m. - 11.30 a.m. Mon., Feb. 21 to Thur. Feb. 24,

2.30 p.m. - 3.30 p.m. Mon., Feb. 21 to Thur. Feb. 24,

6.30 p.m. - 7.30 p.m. Wed., Feb. 23.

On Monday, February 21, at 5 p.m., there will be an opportunity to meet Library staff. On Friday, February 25 (between 9.30 a.m. and 12.30 p.m.), a Special Orientation Day will be held. Various University personnel will speak, including the University Librarian.



THE NORTHERN ASPECT of the University Union Stage III building. It overlooks the central campus area. Two squash courts are located in the section on the right.

The Union: what it provides for you

The University of Wollongong Union was established as the Wollongong University College Union in 1964 (the University was a College of the University of New South Wales until 1 January 1975). At that time an interim committee of management was appointed under the chairmanship of Dr. Frank Mathews.

The Union aims, through the provision of amenities and services, to be the "living room" of the University and to foster the social and intellectual life of its members. Through the cooperation of members, the Union also strives to further the interests of the University.

The Union also has an important educative role on campus. Through activities such as debates, art exhibitions and symposia it complements the formal education provided by the University's academic departments.

Stage I of the Union complex - Common Room, Music Appreciation Room, C.B.C. Bank, University Co-operative Bookshop and Students' Representative Council offices - was opened in 1965. Stage II - now the Hall - was completed in 1970. The remainder of the complex - Stage III - was opened to members in February last year.



THE BISTRO in the University Union.

Stage III comprises the Union shop, take-away bar, dining room, bistro, bar, coffee bar, northern lounge, southern lounge and squash courts.

Following the University Council's endorsement of a Union recommendation early in 1976, all University staff are now members of the Union. Before this, membership had been restricted to students and members of staff who were enrolled in courses at the University. Council's endorsement was an historic decision as, through the extension of membership to staff, a true university union was created in Australia for the first time.

MANAGEMENT

The Union management is vested in the Board of Management which consists of elected and nominated members, both students and staff. Among other things, the Board determines policy which is implemented by the Union's management staff.

The present Board consists of: Mr. D. Lear (chairman), Ms. W. Kon (deputy chairman), Mr. D. Burke, Mr. G. Butler, Prof. J. L. Chipman, Ms. A. Geary, Mr. C. T. Heazlewood, Mr. D. Jamieson, Mr. A. McLean, Mr. W. Pike, Mr. M. Ross, Dr. A. Wright, Mrs. H. S. Stevenson (secretary/manager).

The Senior staff are: Mrs. H. S. Stevenson, secretary/manager; Mr. G. J. Roodenrys, house manager; Mr. P. Bottele, accountant; Mr. G. Stuart-Street, assistant catering manager; Miss L. Koetz, office secretary and enquiries; Mr. A. C. Burling, crew chief.

COMMITTEES

To assist in the formulation of policy, the Board has established a number of committees to advise it on the various activities of the Union:

FINANCE & DEVELOPMENT COMMITTEE. Advises the Board on all matters relating to finance and development of the Union.



STUDENTS AND STAFF enjoying a beer at the University Union Bar.

HOUSE COMMITTEE. Advises the Board on matters concerning the utilisation of Union premises and in dealing with any disciplinary matters which may arise.

ACTIVITIES COMMITTEE. Formulates rules and policies for the consideration of the Board on matters affecting Union activities.

CLUBS & SOCIETIES COMMITTEE. Assists the Board in the implementation of its policy with regard to clubs and societies.

FACILITIES & SERVICES

The following areas of the Union are available for use by members: hall, common rooms (including northern and southern lounges), bar, bistro, squash courts, music appreciation room and private dining room. Members, clubs and other organisations are able to book rooms at the Union office.

At present, the bar and bistro are normally open between 12 noon and 2 p.m. and 5 p.m. and 8 p.m., Monday to Friday.

The Union shop can meet all stationery requirements: pads, folders, spring binders, graph paper etc. The shop also carries a range of other products such as calculators, greeting cards, cigarettes, squash racquets and squash balls.

Throughout the academic year, the Union publishes a weekly newsheet which lists

Union activities and other items of interest. Members wishing to insert items for publication should contact the Union office.

Other services:

1. The squash courts are available to members between 8 a.m. and 10 p.m., Monday to Friday, except for Tuesday and Wednesday evenings when the courts are used by the University Squash Club after 7 p.m. Court fees are 60c a half hour, and bookings can be made at the Union Shop.

2. The Union conducts a typewriter-loan service for members for the typing of essays and other material. Typewriters can be obtained from the Union office on production of a student identification card.

CLUBS & SOCIETIES

To further Union members' social, cultural and recreational aims and objectives, a number of clubs and societies have been established and are affiliated to the Union.

These groups, which are assisted by the Union, are: Film Group, Drama Society, Commerce Society, Geographical Society, Camera Club, History Society, Musical Society, Metallurgical Society, Bridge Club and Parents Club. For further information regarding these groups and their activities members should contact the Union Office.

CHILD MINDING

In 1976, the University of Wollongong Parents' Club was established to run a co-operative child-minding service. The service is conducted in the Hockey Hut, which is located near the University's administration building.

The Hut, use of which is shared with the Sports Association, is being renovated to provide a more attractive environment and facilities for both children and parents. Consideration is also being given to the possibility of employing trained staff.

SPORTS ASSOCIATION

All students and staff are members of the University of Wollongong Sports Association, which aims to provide physical recreation facilities of an opportunity-type for individuals or small groups.

In addition, it aims to ensure that its constituent clubs are provided with adequate playing surfaces and associated equipment, that adequate funds are available to subsidise travelling, and that both clubs and individuals are encouraged to attain higher sporting standards through competition under the auspices of local associations and through intervarsity competitions, and through representative matches and championships organised by the Australian Universities Sports Association.

The Sports Pavilion, located on the northern end of the campus, is available for both members and constituent clubs.

The General Committee, which is responsible for the management of the Association, is considering further developments, including additional squash courts, an indoor sports centre, and additional playing fields.

The constituent clubs of the Association are listed hereunder. (Further information is available from the Union office.): Cricket, Soccer, Outdoors, Table Tennis, International Rules Basketball, Squash, Rugby Union, Women's Hockey, Men's Hockey, Tennis, Fencing, Badminton, Rugby League, Australian Rules Football, Sailing, Hang glide and Surf Riding (in the process of affiliation).

One newcomer to the others



UNIVERSITY Union secretary-manager, Mrs. Susan Stevenson.

For many of you reading this issue of **CAMPUS NEWS**, it is the start of your first session at the University of Wollongong - it is mine too.

I arrived last November from the U.K. where during the last five years I was union manager at both a university and a polytechnic in Manchester.

However, there is one important difference between my previous posts and my present job as secretary/manager of your Union: in the U.K. university, polytechnic and college unions are open only to the student membership. So for me 1977 means not only the start of a new life in a new country, but also the start of a new way of looking at a University Union and at what it should be.

I find the concept of a Union embracing all the people on campus a tremendously exciting one, although, because of the varying needs of the membership, there are bound to be some problems. It is up to all of us to try and solve these problems and to decide what we want the Union to give us.

To do this you will have to participate in the Union, and there are a number of ways you can do this such as attending meetings as observers, voting in elections, and supporting the clubs and societies of your choice.

I cannot promise that everything can be done in the way you may wish, but I can promise to listen to you sympathetically and to try and make things work to everyone's satisfaction.

For my own part I should like to see the Union buildings used to capacity; it should be the kind of place where you *want* to spend your time whether you are eating, drinking, talking, dancing, reading or playing sport. The Union should be a way of life with you: a place where you will meet each other, the staff, and the people of Wollongong.

I believe that it is essential that the University Union plays a role in the community. We are not an isolated group and have much to give to the region and much to learn from it.

Please help me, therefore, to make our Union a success, and remember that I and the Union staff are here to keep it running in the way you want.

Come and talk to us, make suggestions, let us have your complaints, and, above all, enjoy yourselves whilst you are here. I wish you a good year and look forward to meeting you personally.

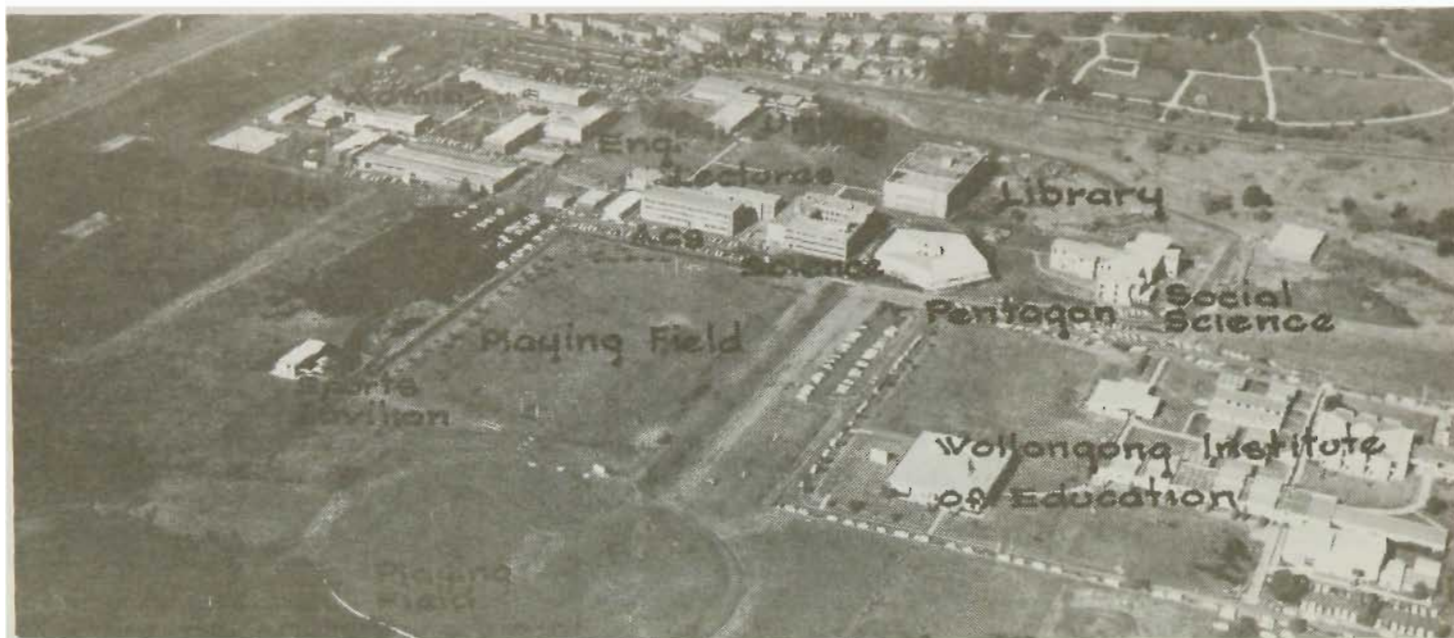
**Mrs. Susan Stevenson,
Secretary-Manager.**



COFFEE BAR adjacent to the Bar and the Southern Lounge in the University Union.



BEHIND the bar in the University Union.



AN AERIAL VIEW, taken in June last year, of the University campus and the Institute of Education.

Campus covers 33 hectares

The University's grounds cover an area of thirty-three hectares. To the west, Mt. Keira rises more than 400 metres above the campus, dominating the site.

Building and site development is being carried out in accordance with a master development plan, which is reviewed as circumstances or growth projects alter.

Although no new buildings are under construction this year, the University is planning and preparing sites for a number of buildings to be erected next year. These are: Administration, Social Science II, and Science II.

Altogether, this year about \$300,000 will be spent on site works and landscaping.

These works include the construction of a new creek — with planting and landscaping of the adjacent area — along the Northfields Avenue side of the campus.

The existing temporary channel will be filled, the permanent access road laid, and parking areas prepared adjacent to the Library and Social Science Building.

At a point just west of the newly planned Main Entrance (opposite the Library), the creek will flow into twin concrete pipes.

Estate Manager, Mr. John Bell, said that much consideration was given to the possibility of continuing the creek in its open channel to where it presently flowed under Northfields Avenue.

He said: "It was found, however, that in the lower section, the prospect of preserving a safe and natural appearance, while still providing service access to the Union Building and allowing for future extensions of it, would be impracticable.

"The solution now recommended has been accepted as the best identifiable one which satisfies all the constraints."

In addition, the new hockey field, adjacent to the eastern frontage of the Sports Pavilion is being prepared.

With the Landscape Supervisor's appoint-

ment in July, 1975, the University embarked on a planned development of its landscape.

Already the landscape has been improved considerably, and all round the campus thousands of native trees, propagated in the nursery in the old tennis courts, have been planted.

The Estate Manager and his division, which includes the University Architect, the University Engineer and the Landscape Supervisor, are responsible for maintaining records of the University's existing assets of buildings and services.

They are also responsible for maintaining records of the approved developments, together with planning proposals and their progress towards approval.

Development plans, once agreed to by the University Planning Team (Estate Manager, University Architect, University Engineer, and the Consultant Planner) are reviewed by the Academic Senate's Buildings and Site Committee and the University Council's Buildings and Grounds Committee before final University Council approval.

Buildings alter campus face

Late in 1975 and early last year, a number of buildings were completed, changing dramatically the look of the campus.

These buildings were authorised in the 1973-75 programme within the limit of grants totalling \$6.3 million, and were the last buildings constructed on the campus.

They increased the total net area of

University buildings from 15,751 square metres, to 25,722 square metres, an increase of 63 percent.

At the western end of the campus, the three-storey, Social Science Building, costing \$1,340,000, houses the Departments of Accountancy, Economics, Education, Geography, Psychology, and Sociology.

Nearby, the Pentagon lecture theatre building, costing \$996,000, houses five theatres with a total capacity of 800. The largest theatre accommodates 250; three others 150; and the smallest has 100 seats arranged in a "horse-shoe" shape.

The external sloping walls and roof are covered with a distinctive, gold-coloured vinyl.

Next to the Pentagon is the Library which, together with its contents is valued at \$5 million.

Stage II, completed early last year at a cost of \$2 million, extended the Library to more than three times its previous size. Total floor space is now 6600 square metres and provides for 600 reader places and for expansion of the collection to more than 250,000 volumes.

Early last year, Stage III of the University Union Building was completed at a cost of \$780,000.

This provided the University Union with facilities upon which to develop a wide range of activities and services for its members (students and staff) and their guests.

An important addition to the University's sporting facilities last year was the Sports Pavilion costing \$168,000.

Completion of Stage II of the Science Building, at a cost of \$470,000, enclosed the fourth side of the existing Science Building and provided additional laboratories and offices for the Departments of Chemistry and Physics.

Although the Commonwealth Government is not providing funds for new buildings in 1977, the University has a number of buildings on its drawing boards and is hopeful that funds will be made available for some of these next year.

Child care available

The Parents' Club is open to all students and staff, and is of particular interest to those in need of on-campus child care.

The Club's main activity is the operation of the Kids' Uni., its campus child-care centre, in the hockey hut near the main entrance.

The club also provides an opportunity to meet other parent students.

The hours will be 8.30 a.m. to 12.30 p.m. and 1.30 p.m. to 5.30 p.m., Monday to Friday, during session, and arrangements can be made for child-care at vacation times.

Fulltime fees will be \$20 per child a week. Casual fees will be \$1.50 per child of reciprocating parents for each four-hour session, or 50 cents per child an hour for those not reciprocating.

Anyone intending to enrol a child or children in Kids' Uni., should contact one of the following immediately: Helen Wiltshire (secretary) 71-5110, Marian Zaunbrecher (vice-president) 28-4842.

Some hints for S.A.P.s

Dear S.A.P., welcome. Herewith are a few hints to ensure your continued existence throughout 1977.

1. Careful, the contact hours are no indication of the hours you will have to expend on each subject. This applies particularly in the following subjects: Psychology and Psychology and Psychology. These subjects require at least eighteen hours a week of home study (less if you happen to be brilliant).

2. The art of university is giving the academics what they want, although there are some who would argue that finding out what they want is the finest art.

3. Attend all lectures, participate in all

tutorials, and turn in all assignments on time - and you can't fail (says Kevin Turnbull)!

You will often feel tempted to give up, but even when your professor informs you that you are full of empty rhetoric, don't give up! Take a deep breath, head down, bum up and struggle on; you'll make it in the end.

Most important, don't forget, academics are actually human, though at times one may be forgiven for having doubts on this point; but, on the whole, they are most helpful and prepared to discuss your problems with you always providing you have demonstrated that you are worthy of their time.

Take heart, don't despair, anything is possible, even success. Example: S.A.P.s of '75 and '76.

The secretary of S.A.P.s, Mrs. Shirley Coombs, can be contacted at 83-1663.

Student loans inquiry

The Commonwealth Government has established a committee to enquire into the feasibility of Government-backed loans to assist Australian tertiary students.

Committee chairman is Mr. M. W. J. Butcher, Chief Manager (Advances) of the Bank of New South Wales.

Other committee members are: Professor R. St. C. Johnson, Deputy Chairman, Board of the School of General Studies, Australian National University; Mr. M. Gallagher, Education Research Officer, Australian Union of Students; Mr. J. Hunter, Assistant Secretary, Commonwealth Department of Finance; and Miss J. L. Miller, Assistant Secretary, Commonwealth Department of Education.

Minister for Education, Senator Carrick, said the committee's establishment did not mean the Government intended to introduce loans.

"What the Government wants to know is whether existing schemes might be improved by the availability of student loans", he said. "A loans scheme could take many different forms and there is a need for careful assessment of the available alternatives in an Australian situation".

A preliminary paper outlining possible approaches to student loans is now available for public discussion.

The paper had been prepared in accordance with the Government's request that the committee seek public comment.

Committee chairman, Mr. Butcher, said that the committee's distribution of the preliminary paper did not imply support for any particular option outlined in it.

The paper is available from the committee secretary, Department of Education, P.O. Box 826, Woden, A.C.T. 2606.

Written submissions should be sent to the committee secretary by March 1 this year. The committee is required to make its recommendations by the end of May.

Information Office help

The position of Assistant Information Officer will remain unfilled this year.

However, part-time editorial assistance in the Information Office will be provided by Mrs. Janine Cullen.

Mrs. Cullen worked as a reporter with the Illawarra Mercury for seven years and during that time covered assignments on the University campus.

Apart from her knowledge of the campus, she has a considerable knowledge of Wollongong and Illawarra news-media organisations and their operations.

While on campus, Mrs. Cullen will be responsible for news gathering, writing, and press liaison.

Tony Barker,
Information Officer.



STUDENTS relax in the University Union's Southern Lounge.



THIS car park is adjacent to Northfields Avenue. The University Union is in the background and the Metallurgy Building is on the right. More than 1000 shrubs and trees have been planted in this car park, which has 308 parking bays.

Guides to philosophy

The Department of Philosophy has produced two guides for students who might like to include philosophy in a course of study at university.

The kinds of questions which the guides answer and the information which they give close a gap in communication between universities and schools.

One booklet alerts students to: what is involved in a study of philosophy, relating this to everyday life; where philosophy can be studied; and further information on the general use of philosophy in terms of intellectual wellbeing and career potential.

This booklet is accompanied by another which gives details about studying philosophy at the University of Wollongong and information on relevant courses of study in other subject areas to be combined with a philosophy major.

The gap in communication between universities and schools, which these booklets fill, was identified as a problem area at a seminar last year which was attended by university personnel from the Australian National University, all New South Wales universities, the Vocational Guidance Bureau, the Careers Reference Centre, and the careers advisers' association.

The booklets also deal with another problem posed at the seminar, in that they either avoid the use of technical language, or, if it is used, explain the meaning of the various terms.

The booklets are available from the Department of Philosophy at the University of Wollongong.

Co-op Book shop in Union

A branch of the University Co-operative Bookshop Ltd. is located in the Union Building. The Co-op stocks textbooks for courses, as well as a range of general and paperbacks.

HOW TO JOIN. It costs \$10 to become a member (i.e., shareholder) for life. You only have to join once, and membership benefits are available at all other Co-op Bookshop branches on more than twenty campuses in Australia. If, however, you wish to withdraw at any time, the Co-op will re-purchase your share.

BENEFITS. The Bookshop distributes all its surplus profits among members. In the past, this has been in the form of an annual rebate cheque, based on items bought at the Co-op during the year.

However, the Co-op has realised that, with the failure of TEAS funds to keep up with the ever increasing cost of books, students would prefer to make the saving at the time of purchase. For this reason it has changed its rebate policy, so that a significant amount of the rebate is given back across the counter when you buy books or other items.

In other words, books at the Co-op are cheaper for members than for non-members, and carry a tag with two prices: the non-member price and the lower, discounted price for members.

ANNUAL REBATE. The annual rebate will still be given, but because a significant proportion of surplus profits will have been paid to members across the counter during the year, the 1977 rebate, calculated at August 31, will be smaller than usual.

SERVICES. The Co-op Bookshop runs a mail-order service, has a Serials Department in the Sydney Head Office, will take special orders for any books not in stock, and will reserve books for you.

Moderation changes

Moderation procedures for the 1977 School Certificate course will only apply in the subjects of English and Mathematics, the Minister for Education, Mr. Eric Bedford, has announced.

He said: "In the subjects of English and Mathematics, each student will receive a

grade within the range of one to five, compared with ten grades which exist at the moment.

"State-wide testing procedures will be used in the allocation of grading patterns to schools in these two subjects.

"In all other subject areas, teacher assessments will be the sole basis for the allocation of results.

"Those subjects which have been satisfactorily studied will be listed on the School Certificate."

In 1975 and 1976 School Certificate awards were based on teacher assessments for all subjects moderated to ensure a measure of comparability of grades between all schools in N.S.W.

"Moderation of English and Mathematics is regarded as important in view of the current concern which has been expressed over literacy and numeracy standards," Mr. Bedford said.

H.E.B. chairman retires

The N.S.W. Higher Education Board chairman, Mr. J. J. Pratt, retired from his position on February 18.

Before his appointment as N.S.W. Advanced Education Board chairman in February, 1971, he was the head of the School of Education, University of New South Wales.

In January, 1973, he became the Higher Education Authority chairman and in January this year chairman of the Higher Education Board which replaced these authorities.

Mr. R. E. Parry, under-secretary of the N.S.W. Ministry for Education, is serving as board chairman for an interim period which began on February 19.

He will occupy the position on a part-time basis until a permanent appointment is made.

Rugby Club's proud past

The Rugby Union Club is the longest established club on campus, having been formed in 1962.

Since the club's formation, it has been a force in the Illawarra competition with the following achievements:

First Grade - six finals, being minor premiers in 1969.

Second Grade - One grand final and two finals.

Third Grade - Two grand finals and two finals.

When the Third Grade Side was formed in 1964, University became the first club in Illawarra to enter three teams in the local competition.

In the thirteen years to date, the club has had an average of three players each year selected in Illawarra District sides. Two players have represented N.S.W. Country and one has played for N.S.W.

Since 1974, the club has been invited to attend Rugby Intersarsity as a club. Before this, our representatives went as part of the University of N.S.W. team.

To date, Wollongong has performed with credit, both on and off the field, at two Intersarsity carnivals in Melbourne and one at Macquarie University. This year we are heading for Brisbane in the May break for a week of Rugby and associated social activities.

Unfortunately, the 1977 season will see us only nominating Second and Third Grade teams in the local competition. We have been forced to take these measures due to poor performance over the previous two years by our First Grade side.

This drastic action has not been taken lightly and is aimed at giving us a premiership in lower grades in an effort to attract more players, thus enabling a return to First Grade competition in 1978.

Our annual general meeting will be held in the Sports Pavilion at 7.30 p.m. on the first Wednesday after Orientation Week. We look for the support of the new, present and old students, and academic and university staff for this meeting and during the season.

Club members will be available during Orientation Week. They will be readily recognised by their distinctive T-shirts. Do not hesitate to approach these people and become involved with club and campus activities.

Yours in Rugby,
Brian Noone, President.

Basketballers needed

The University Basketball Club needs players for the local Winter Competition which begins at the end of March.

Teams are entered in the men's and women's competition.

Nominations close on March 11. Players at all levels should contact Hugh Brandon, Finance Office, Admin. Building (ext. 351) or Grahame Morris, Department of Mathematics, A.C.S. Building (room 133, ext. 331).

Cricket Club has four sides in local fixtures

The University Cricket Club fields four cricket teams in the Illawarra District Cricket Competition.

Students or staff interested in playing university cricket can do so by contacting one of the following: Ian Dunn (president) university ext. 429; Ian Stone (secretary) university ext. 273; Bryan Chenhall (publicity officer) university ext. 438.

New players can also join the club by attending cricket practice, which is held at the nets (southern end of the University Oval) every Tuesday and Thursday (weather permitting) from 4 p.m. during the season.

Cricketing experience is NOT essential. If you feel that you would like to take up cricket as a sport, come along to practice!

The club also conducts social activities throughout the season including refreshments in the Sports Pavilion after each game, barbecues, a trophy presentation-night, a dinner dance, and social sports such as double-wicket cricket competitions and golf.

Some outstanding First-Grade performances to date include a fine 117 by Geoff Boxsell and inspired bowling by "quickie" Peter Sharp.

Second, Third and Fourth Grades, while not enjoying the run of success of the First Grade side, are putting in some solid performances.

Sailing Club activities

The University Sailing Club's activities include teaching beginners, pleasure sailing, and competition racing.

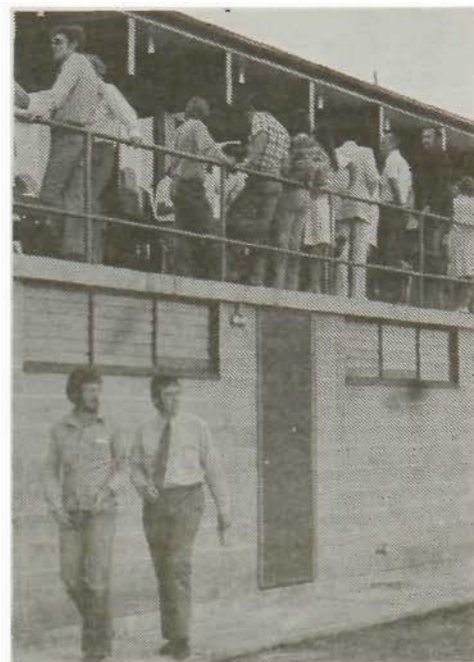
Every Saturday, racing is held at Port Kembla Sailing Club with some training before the race.

Social sailing and a beginners' course are held on every second Sunday to Easter. On long week-ends, the University crews sail in country regattas.

The club owns a twenty-foot Lightweight Sharpie class which, with a number of privately-owned boats, ensures that all members have adequate opportunity to enjoy this relaxing and exciting sport.

Enquiries should be directed to one of the following: president, Bruce Ham, International House (Phone 28 7410); secretary, Richard Hipsley, 15 Mathews St., Wollongong; treasurer, John Curry, Dallas St., Mt. Ousley (Phone 29 3976).

SPORT



THE Sports Pavilion.

Squash Club grows

Last year was the University Squash Club's first active year.

Initially, there was an overwhelming response to join the club, but by mid-year this had waned, although the club was able to enter four teams in the local competition.

Men's teams were entered in divisions 12, 16 and 17, and the club was lucky enough to form a women's division 8 team after having only one member at the beginning of the year.

All teams reached the semi-finals, and the division 16 men's team and the women's team reached the finals. The women's team of Winifred Quinn, Annette Worthy (Capt.), Kim Stephenson, Eileen Coggan and Delma Macleay won the grand final after having defeated the minor premiers four times through the competition.

The club hopes this will be another successful year. The competition begins in February, and nine teams have been entered. They are: men's divisions 2, 11, 14, 15, 16 and 17 and women's divisions 7 and 8 (two teams).

If anyone wishes to play competition either now or in the next competition (July), please contact one of the office bearers as soon as possible, giving name and address.

Thanks must be extended to the 1976 office bearers who did a great job to get the club underway; they are Steve Wilkinson, Steve Davies and Hagon Kreusser. Office bearers for 1977 are: president, Steve Davies (Phone 28 6284); secretary, Annette Worthy (Maths Dept. ext. 272); treasurer, Pat Colby (Phone 29 6558).

Table Tennis strong record

The University Table Tennis Club is one of the long-existing and most active clubs on campus.

It has a good reputation in the Illawarra district for representing the University and for having a commendable record in the local competition.

It put the University on the map in 1975 by reaching the semi-finals of the Inter-varsity competition at the University of New South Wales.

Every year, the club enters teams in four divisions in the Illawarra Table Tennis Association competitions: the Winter Comp., from March to September, and the Summer Comp., from October to February.

The club attracts overseas students and staff members. Players are again needed to form teams for the Winter Comp. starting at the end of March.

During May recess, the club hopes to form two teams for the Intervarsity competition in Western Australia (men and women); a handicap competition will be organised soon, leading up to the University open championships in Second Session.

The club has four new tables which can be set up in the Union Hall for competition or practice (bookings are made at the Union Office). It also has access to the Hockey Hut with one table.

The club hopes to set up the five tables permanently in the Indoor Sports Building when it is built.

The Union shop lends bats and balls for social games.

The club also hopes to organise coaching classes throughout the year for beginners and for players to improve their games (the current University champion is a qualified assistant coach in the Wollongong area).

Interested players or beginners should contact one of the following: Professor J. B.



UNIVERSITY table tennis champion, Nguyen Quang Thoi.

Ryan, Department of Accountancy (ext. 345); Dr. M. W. Bunder, Department of Mathematics (ext. 250); Mr. N. Q. Thoi, Department of Mechanical Engineering (ext. 228).

Ascent of Man film series

General Studies will present "The Ascent of Man" as its lunch-time film programme on thirteen Tuesdays between March and June.

All screenings will be in the Main Lecture Theatre between 12.35pm and 1.25pm.

"The Ascent of Man" is a history of the cultural evolution of mankind from primitive times to the present day.

Presented by the late Dr. Jacob Bronowski, the films (each runs for 50 minutes) show the many and varied places where great evolutionary, cultural and intellectual steps forward were taken.

Screening dates are available from the General Studies office in the A.C.S. Building and will be published in the schedule of events in Take Note.

LEVY QUESTION DEFERRED

The University Council deferred consideration of a S.R.C. recommendation regarding a child-care levy this year, at its December meeting last year.

The S.R.C. recommended that the University Administration be requested "to collect a miscellaneous fee of \$3 to go into a community chest to be run by a committee with a fair representation of students and that the money raised be directed entirely into campus child-care facilities until such facilities are viable."

Council resolved that, in order to assist it in determining whether the University should provide funding of the child-care facility for 1977, the Parents' Club be requested, through the University Union, to provide a detailed budget of operating costs for Finance Committee consideration and report to Council.



THE BISTRO in the University Union.

Guide to Departments

Listed below are professors and/or departmental chairmen, with the names of their secretaries, location, and telephone extensions:

ACCOUNTANCY. Prof. J. B. Ryan. (bldg. 19, room 248); Mrs. Carol McFarlane (secretary, bldg. 19, room 247, ext. 346).

BIOLOGY. Prof. A. D. Brown (bldg. 1, room 125B); Mrs. Dianne Kelsey (secretary, bldg. 1, room 125, ext. 218).

CHEMISTRY. Prof. B. Halpern (bldg. 18, room 102); Mrs. Meg. Whitton (secretary, bldg. 18, room 103, ext. 260).

CIVIL ENGINEERING. Prof. C. A. M. Gray (bldg. 3, room 134); Miss Jennifer Jaramillo (secretary, bldg. 3, room 134A ext. 307).

ECONOMICS. Prof. K. A. Blakey (bldg. 19, room 214); Mrs. Halina Majer (secretary bldg. 19, room 215, ext. 207).

EDUCATION. Prof. R. C. King (bldg. 19, room 118); Mrs. Mary Black (stenographer, bldg. 19, room 117, ext. 378).

ELECTRICAL ENGINEERING. Prof. B. H. Smith (bldg. 4, room G11); Miss Maree Fryer (secretary, bldg. 4, room G11A, ext. 310).

ENGLISH. Prof. R. G. T. Southall (bldg. 15, room 234); Mrs. Audrey Allen (secretary, bldg. 15, room 233, ext. 236). Miss D. Gillam, Acting Departmental Chairman, (bldg. 15, room 234, ext. 236).

EUROPEAN LANGUAGES. Prof. R. B. Leal (bldg. 12, room 11); Mrs. Ute Janisch (secretary, bldg. 12, room 12, ext. 235).

GENERAL STUDIES. Mr. D. Dillon-Smith, Co-ordinator (bldg. 15, room 205); Mrs. Margaret Massey (secretary, bldg. 15, room 205, ext. 338).

GEOGRAPHY. Prof. M. G. A. Wilson. (bldg. 19, room G24); Mrs. Helen Mutch (secretary, bldg. 19, room G25, ext. 357). Dr. R. Robinson, Acting Departmental Chairman (bldg. 19, room G21, ext. 247).

GEOLOGY. Prof. A. C. Cook (bldg. 15, room 207A); Mrs. Heather Bunyan (secretary, bldg. 15, room 207, ext. 274). Assoc. Prof. E. R. Phillips, Acting Departmental Chairman, (bldg. 15, room 207A, ext. 273).

HISTORY. Prof. R. Duncan (bldg. 15, room 232); Miss Madeleine Hyson (secretary, bldg. 15, room 232A, ext. 234).

H.P.S. Dr. J. R. Panter, (bldg. 9, room G04); Mrs. Tina Kungl (secretary, bldg. 9, room G06, ext. 300).

MATHEMATICS. Prof. A. Keane, Departmental Chairman, (bldg. 15, room 130); Mrs. Roslyn Maloney (secretary, bldg. 15, room 131, ext. 279). Prof. J. Reinfelds (Computing Science) (bldg. 15, room 139); Mrs. Glenda Gregor (stenographer, bldg. 15 room 138, ext. 381).

MECHANICAL ENGINEERING. Prof. S. A. Marshall (bldg. 4, room 111); Mrs. Connie Northwood (secretary, bldg. 4, room 112, ext. 228).

METALLURGY. Prof. G. Brinson (bldg. 1 room 109); Mrs. Patricia Batt (secretary, bldg. 1, room 108, ext. 216).

PHILOSOPHY. Prof. J. L. C. Chipman (bldg. 9, room G21); Ms. Gail Smith (secretary, bldg. 9, room G22, ext. 427).

PHYSICS. Prof. P. Fisher (bldg. 18, room 218); Miss Susan Moores (secretary, bldg. 18, room 219, ext. 266).

PSYCHOLOGY. Prof. A. M. Clarke (bldg. 19, room 128); Miss Elly Smith (secretary, bldg. 19, room 129, ext. 391).

SOCIOLOGY. Prof. S. C. Hill (bldg. 19, room 236); Mrs. Myree Mitchell (secretary, bldg. 19, room 237, ext. 393).

Faculty chairmen

ENGINEERING. Faculty Chairman: Assoc. Prof. S. E. Bonamy (bldg. 4, room 110, ext. 227). Acting Faculty Chairman: Assoc. Prof. R. W. Upfold (bldg. 3, room 127, ext. 225).

HUMANITIES. Faculty Chairman: Assoc. Prof. J. S. Hagan (bldg. 15, room 230, ext. 233); Acting Faculty Chairman: Prof. R. B. Leal (bldg. 12, room 11, ext. 235).

MATHEMATICS. Faculty Chairman: Mr. K. P. Tognetti (bldg. 15, room G32, ext. 253).

SOCIAL SCIENCES. Faculty Chairman: Professor S. C. Hill (bldg. 19, room 236, ext. 393).

SCIENCE. Faculty Chairman: Assoc. Prof. P. D. Bolton (bldg. 18, room 113, ext. 263).

Faculty secretaries

ENGINEERING and SCIENCE: Mr. Bob Natalenko (bldg. 8, room 108, ext. 387).

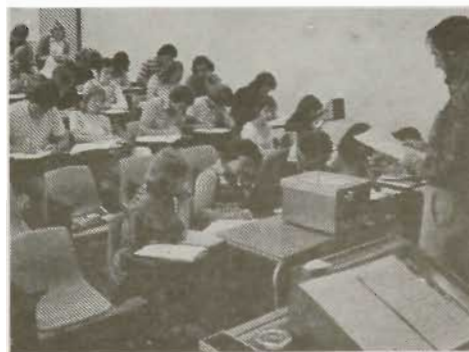
HUMANITIES. Miss Lynn Edwards (bldg. 8, room 108, ext. 398).

MATHEMATICS and SOCIAL SCIENCES: Mr. Trevor Cuthbertson (bldg. 8, room 108, ext. 398).

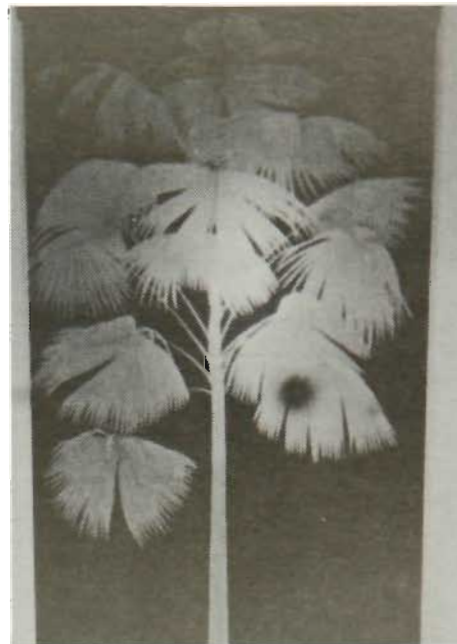
CAMPUS NEWS

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Tony Barker Editor



A COMMON teaching area in the Social Science Building. This room is G14, a lecture theatre which holds sixty-four people.



A SECTION of one of the decorative fabric hangings which adorn the walls in the University Union.



ENJOYING a beer on the floor of the University Union Bar.



THE Social Science Building.

