

CAMPUS NEWS

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Landscape undergoes change

By the end of this year, it was hoped that significant progress would be apparent in the University's landscape construction, the University's Landscape Supervisor, Mr. Leon Fuller, said recently. But progress was proceeding slowly because of staff and finance shortages.

Mr. Fuller said: "At present, it is a matter of robbing Peter to pay Paul, in that maintenance is being neglected so that progress can be made in the new areas around the Pentagon and the Library.

"These areas are designed to fit into an overall theme which projects an Australian image coupled with low maintenance.

"This does not mean we are trying to create a nature reserve. Australian plants will only form the basis of the landscape.

"Detail may range from American deciduous forest effects to formal European gardens, but this detail will only come with time."

Mr. Fuller said that he expected that it would take four years to lay the basis of the landscape.

He said: "Presently, the landscape construction consists mainly of changing the basic land form to suit a built area and to add interest to the landscape.

"Other work includes establishing lawns and planting trees. Between June last year and July this year, the tree planting programme has resulted in more than 2000 trees being placed in the ground.

"These trees were propagated in the nursery set up in the old tennis court near the Heat Engines Laboratory."

Overall, the University was heading towards a low-maintenance landscape, with a continuous theme throughout and with a build-up of plants native to Australia and to the Illawarra Region, Mr. Fuller said.



THE CAMPUS from the Mt. Keira lookout. For more landscape pictures, see pages 6 and 7.

Minister to speak at seminar

The N.S.W. Minister for Education, Mr. Eric Bedford, will be one of four main speakers in University Day Public Seminar at the University on August 13.

The seminar is entitled, "The University Degree: Training for Vocation or for Life?". Mr. Bedford's topic is "The Education System".

Beginning at 7.00 p.m. in the Pentagon, the seminar will mark the first University Day. (University Day, the second Friday in August, marks the day that the Council other than the First Council met for the first time [August 8, 1975] and elected the Chancellor, the Deputy Chancellor, and three members of Council elected by Council Members.)

The Chancellor, Mr. Justice Hope, will chair the proceedings. The Vice-Chancellor, Professor L. M. Birt, will introduce the seminar topic.

He will be followed by the main speakers, each of whom will speak for twenty-five minutes.

The other speakers and their topics are: Mr. J. K. Doherty,

Marketing Manager, Kembla Coal & Coke Pty. Ltd. ("Training for Industry"); Professor A. H. Willis, Pro-Vice-Chancellor, University of New South Wales ("The University Degree: Vocational"); and Professor F. J. Willett, Vice Chancellor, Griffith University ("The University Degree: Generalist").

A member of the University's academic staff will introduce each speaker. Professor Ron King will introduce Mr. Bedford; Professor Geoff Brinson will introduce Mr. Doherty; Professor John Ryan will introduce Professor Willis; and Professor Lauchlan Chipman will introduce Professor Willett.

Supper will be served at 9.15 p.m. followed at 9.30 p.m. by a one-hour forum, chaired by Mr. Justice Hope.

Admission to the seminar is by ticket (no charge). Tickets are available from the Information Office (ext. 375 and 388), Administration Building.

Computer plans are highlighted

Among the highlights of the recent second, two-day conference of the Univac Users' Association of Australasia was the description of the University's plans for installing an Interdata 7/16 mini-computer to "front-end" the Univac 1106.

Computer Centre staff, Geoff Hamer and Jim McKee, presented the description.

All ten of the Australian users of Univac 1100 computers were represented at the conference which was held at Macquarie University on July 15 and 16. These included the Australian National University, Macquarie University, the Department of Defence, and six commercial sites. In all, forty-five people registered.

INTERDATA MINI COMPUTER

The Interdata mini, which was delivered in mid-July, is being set up initially to handle four, visual-display terminals and a line printer for Central Administration and Library. The four terminals and the line printer are to be situated in the Administration building, linked by underground cables to the mini-computer in the Computer Room.

In common with all computer projects, the most difficult and important aspect of this development, from the users' point of view, is the preparation of the software, i.e. the computer programmes which instruct the hardware to do the tasks required of it.

The first software module is being provided by Interdata. This is a "UniscopE Emulator", which is code written for the mini to make it emulate a Univac UniscopE terminal. The main computer, the Univac 1106, will thus think it is simply handling an extra group of Uniscopes.

Interdata will be able to demonstrate the UniscopE Emulator by connecting two terminals, via the Interdata mini, to the Univac 1106. In this mode the mini will behave as though it were a UniscopE multiplexor.

WOLLONGONG OPERATING SYSTEM

Much more interesting routines are being written by the Computer Centre Staff to follow on from this basic module. These will provide Central Administration and Library with a simple set of Job Control Instructions whereby the mini can be used for a variety of tasks, e.g.:

Key to disc input. Instead of punching thousands of punched cards, the Library and Administration data will be keyed via the visual display terminals directly to the mini's disc files. Response will be very fast because the mini, unlike the main computer, will not be involved with several other jobs at the same time.

Key to disc verifying. Later routines will provide for a comprehensive verifying mode, whereby the key-punch operator can verify previously entered data and correct any errors found.

Data Edit. Because the Interdata mini is a fully programmable computer in its own right, it will be possible to write many data edit programmes to operate in the mini. There is an enormous potential in this area for general purpose editing routines, e.g. check control totals, field formats, reasonability checks etc. and also for using the full facilities offered by the visual display terminal. Screen control features exist to allow the programmer to set up on the screen the format of the input document, using half-intensity or "blinking" characters to signify protected fields, which can guide the key-board operator easily through the most complicated input form.

Send to Univac 1106. Once a batch or several batches of data are input to the mini's discs and verified as correct, the data will need to be transmitted to the main computer for further processing. Simple job control instructions will be provided to do this.

Get from Univac 1106. Job control instructions will also be provided to get data transmitted from the 1106 discs to the mini's discs. This feature will normally be used for output information which is required to be printed on the lineprinter in Central Administration.

Interact with Univac 1106. The terminals connected to the mini will also provide interactive access to the main computer. In this "transparent" mode, the mini will act as a dumb message-switcher between the user and the main computer.

NEXT STAGE

The next stage of developments planned by Wollongong is to provide a second, high-speed connection between the Univac 1106 and the Interdata mini. This will be done by interfacing the mini

via channel link to one of the Univac Multi-System Adaptors (which handle the disc and magnetic tape drives) and programming the Interdata mini to emulate a Univac magnetic tape drive. With this technique, data will be transferred between the mini and the main computer at 320,000 characters per second (compared with less than 1000 characters per second in "Uniscopemode").

The high-speed connection will be used for transferring large data-input and print files between the two computers. With only the low-speed connection, it was thought that saturation point would soon be met as Central Administration and Library systems get underway.

FUTURE

If all goes according to plan, the Wollongong/Interdata "front-end" may well provide a money-saving way to expand the University network - by enabling cheaper terminals to be added and by handling much of the extra load on the mini instead of on the main computer.

It was clear from the interest shown at the conference that several other Univac users in Australia are watching developments at Wollongong very closely.

Health service for students begins

A Student Health Service will begin in the Counselling Centre (Hut near tennis courts) on August 9 for a trial period.

Wollongong medical practitioners will provide the service, which is confidential and free to University and Institute of Education students.

Students are encouraged to use the service for advice on matters relating to health.

Although therapeutic, the medical service is not intended to replace private or community health services.

Where chronic or continuing conditions are revealed or suspected, students may be referred to a private practitioner or to an appropriate hospital for specialist opinion and/or treatment. The health service will not be responsible for fees incurred in these instances.

Appointments can be made by contacting Marion Allen on 29 7311 (ext. 355 or 325).

The service will be available at the following times:

MONDAY: 1 p.m. to 2 p.m., Dr. J. F. Fuller; 2 p.m. to 3 p.m., Dr. L. Lavrin; 6 p.m. to 8 p.m., Family Planning Clinic with Sister Marilyn Groves and Dr. Lolita Sharma.

TUESDAY: 1 p.m. to 2 p.m., Dr. R. Yarrow.

WEDNESDAY: 6 p.m. to 7 p.m., Dr. M. Clee.

THURSDAY: 1 p.m. to 2 p.m., Dr. D. Scruby.

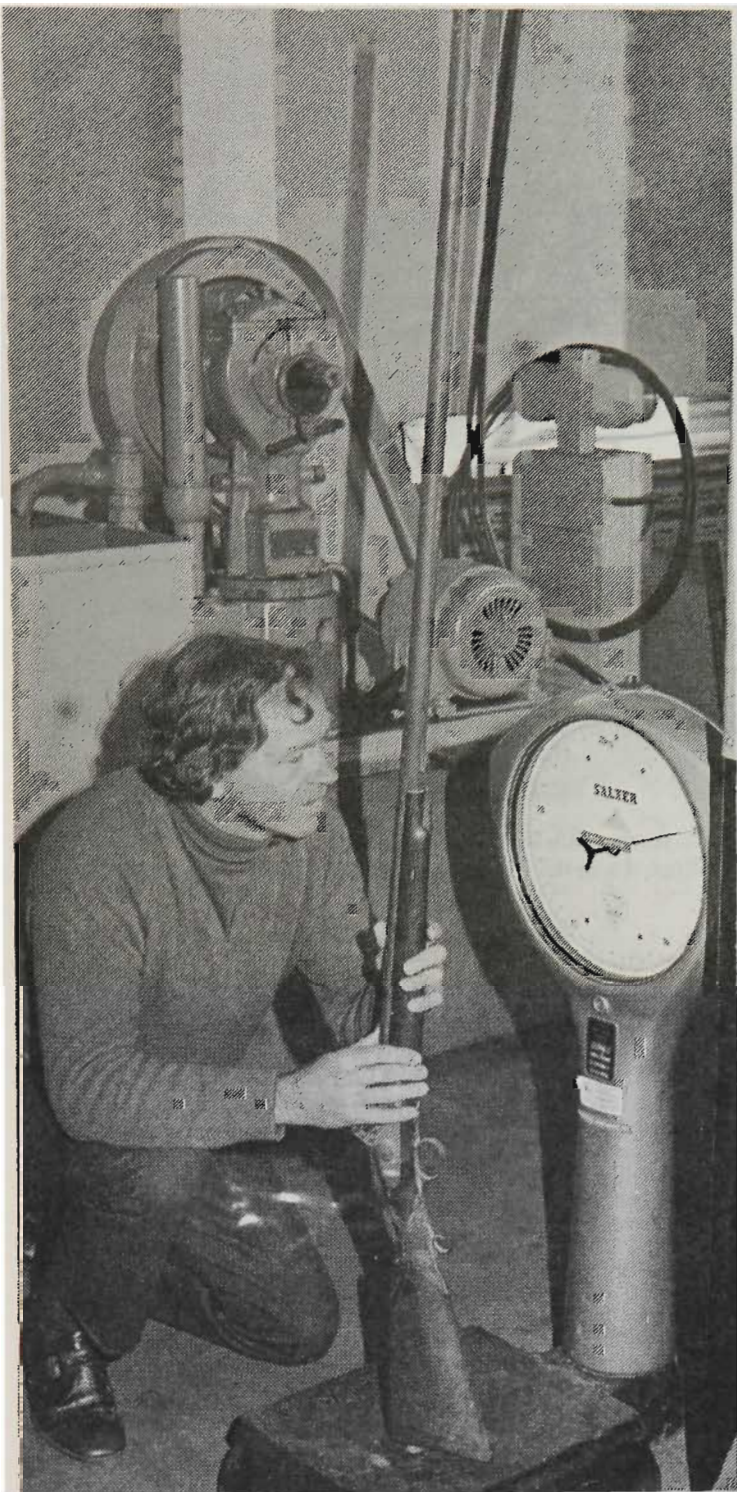
FRIDAY: 12.30 p.m. to 1.30 p.m., Dr. T. Bunn.

1977 Special Research Grants

The Chairman of the Research Committee, Professor P. Fisher, has announced that applications are now being received for 1977 Special Research Grants.

The level of funding to be provided by the Commonwealth Government in 1977 is not yet known. However, it is known that the previously foreshadowed Category B Special Research Grants will not be introduced next year. Consequently, only the customary Category A grants will be available.

Two types of application forms are being used: Form 1 - New Applications; Form 2 - Continuation Applications. Both are available from the Secretary, Mr. T. Moore, Student Enquiries Office, ext. 387. Applications close on September 3.



Flintlock musket finds new home

A flintlock musket, at least 156 years old, has become of great interest to Associate Professor Jim Hagan, of the Department of History.

Five kilograms (11lb) in weight and 1.7 metres (5ft. 6in.) in length, the musket with ramrod has been donated to the University's Archives Unit.

The donor is Bomaderry High School acting principal, Mr. Norman Rankin.

The musket belonged to Alexander Berry, who developed the Shoalhaven area. It was among items which neighbours rescued from a fire on Berry's estate in the late 1950's.

Along with other items, the musket was donated to Nowra High School and was displayed on walls around the school.

From time to time, it was used in schoolplays. However, on the last such occasion, the wooden stock was broken and the musket found its way to the school incinerator.

Mr. Rankin rescued it. Subsequently, it was given to him. He had it repaired and was looking for a worthwhile organisation which would appreciate the musket for its historical value.

During a recent seminar in Nowra on "Aborigines in the Classroom", Mr. Rankin met Associate Professor Hagan, who mentioned the University Archives.

Mr. Rankin decided that this was the kind of organisation for which he was looking and generously donated the musket to the University Archives Unit for safekeeping.

The sixteen-gauge, solid-bore, metal barrel is 1.4 metres long (4ft. 6in.).

The musket bears no identification mark, but was probably used as a sporting gun and, although heavy, fired from the shoulder.

According to Associate Professor Hagan, the musket "seems to have been manufactured before 1820, if the manufacture followed contemporary military patterns".

The firing mechanism works, and the musket "can be fairly easily restored to working order", Associate Professor Hagan says.

Loading and firing procedure for the musket was probably as follows: (1) clean barrel with waste at end of ramrod; (2) pour in powder from powder horn and add the musket ball(s); (3) ram the charge home with wadding; (4) prime cock and pull trigger which would produce fire from the flint - - the flash would run from the powder pan through a port in the side of the barrel and would fire the main charge.

WEIGHING the flintlock musket, donated to the University's Archives Unit by Mr. Norman Rankin, acting principal, Bomaderry High School, is Associate Professor Jim Hagan, Department of History.

Prof. Brinson to chair Senate

Professor G. Brinson was elected chairman of the Academic Senate at its July 28 meeting.

He replaces Professor A. C. Cook, who expects to go on study leave next month.

In moving a vote of appreciation for Professor Cook, Professor Brinson described him as a "very efficient and agreeable chairman" who did his homework.

Professor Cook thanked the Vice-Chancellor, Academic Senate members, and the Registrar and his staff for their assistance during his term as Chairman.

Professor J. L. C. Chipman was elected Deputy Chairman.

Art Exhibition for students

A Student Art Exhibition will be held in the Southern Lounge of the University Union from August 9 to 20.

The Union Activities Committee is arranging the exhibition in response to requests from students.

The purpose of the exhibition is to foster the artistic talent of students at the University; but students at other tertiary institutions are also invited to participate.

Students wishing to exhibit paintings, sculpture, string craft, or any other artistic work should contact the Union House Manager, Mr. Bert Roodenrys.



VICE-CHANCELLOR, Professor L. M. Birt, and visiting students from country schools (from left): Laural Cochran, Russell Turner, Karen Duggan, Pio Cesarin, Julie Douch, Maree Collins, Lynette McDonald, Elizabeth Whipp, Margaret Connell, and Bill Folder.

High-school students from country visit University

Ten Year-12 students visited the University from July 21 to 23 as part of the Schools Liason Programme.

The students came from country schools in the South Coast Area Directorate and were nominated by their schools as representatives.

Schools Liason Officer, Mrs. Dorothy Schneid, said: "The aim of the visit was to allow students to investigate the various courses offered at the University and also to provide them with an opportunity, as far as this is possible in such a visit, to gain some insight into what University life is like.

"Apart from matters of particular importance to themselves, the students were able to obtain information which their fellow pupils back at school were eager to find out.

"All of the students asked me to express, on their behalf, their sincere thanks to all those who made the visit possible.

"They not only found the visit very beneficial and worthwhile but also enjoyed the informal atmosphere during the discussions with members of University staff.

"Their thanks too were extended to the people who provided billets, namely students from Keira Boys' Wollongong, and Figtree High Schools.

"Some entertainment had been planned for our visitors by these families during the evenings and this certainly helped them to get to know each other and to become a very friendly group."

Changes to structure considered

At its July 28 meeting, the Academic Senate received the comments of the Faculties, the Academic Assembly, and the Students' Representative Council on the Senate's proposals for changes in the academic structure.

The Senate began discussion of its recommendations for changes to the academic structure and continued its deliberations at a meeting on August 4.

Citation Indexes

On July 26, the Library organised two lectures in support of orders placed recently for the *Science Citation Index* and the *Social Sciences Citation Index*, both covering the period 1969 to 1975.

The total outlay is \$US36,650, less discounts of \$US6,162.50 for multi-year purchases, for a total of \$US30,487.50. The purchases have been made out of Library earmarked grant and equipment monies.

Mr. Frank Symes, agent for the Institute of Scientific Information which publishes the Indexes, gave the lectures.

Separate sessions were held for staff and students in the Faculties of Engineering, Mathematics and Science (*Science Citation Index*) and in Faculties of Humanities and Social Sciences (*Social Sciences Citation Index*).

About thirty people attended each session. Each lecture was presented with slides and commentary, followed by discussion. Slides and a cassette commentary come with each purchase and will be used in reader-education programmes.

Citation indexing is based on the simple concept that an author's references to previously recorded information identify much of the earlier work that is pertinent to the subject of his present document.

These references are commonly called citations; and a citation index is a structured list of all the citations in a given collection of documents (or scientific and technical papers).

The primary advantage of citation indexing is that it identifies relationships between documents or papers that are often overlooked in a subject index.

An important secondary advantage is that the compilation of citation indexes is especially well suited to the use of man-machine indexing methods that do not require indexers who are subject specialists. This helps to make citation indexing more current than most subject indexes.

Furthermore, citations are not vulnerable to scientific and technological obsolescence as are the terms in subject indexes.

Sample volumes of the two indexes are available for perusal in the Library foyer, together with posters showing how to use them.

Dr. de Lacey to assist project

Dr. Philip de Lacey, Reader, Department of Education, has been invited by Hawaii's East-West Culture Learning Institute to assist in the designing and teaching of a programme, "The Cultural Aspects of Educational Leadership", from February 16 to May 16 next year.

Dr. de Lacey will be involved in a project, "Methods for analysing cultural misunderstanding". The two courses which he will give are "Cross-cultural research for behavioural scientists" and "Cultural aspects of educational leadership".

His particular interest is with problems of mental growth in children from different cultures. Various aspects of this will be considered such as opportunity for formal education, language, and social and political philosophies of the various cultures.

The essential goal of the programme is to find possible ways for promoting better relations among the Asian and Pacific countries and the United States.

Better relations among peoples and nations can best be achieved through the implementation in each country of innovative educational programmes which promote cross-cultural understanding and which minimize misunderstanding and bias towards other cultures.

This work is directly related to research which Dr. de Lacey is at present carrying out in Australia. He is the co-director of the Experimental Pre-school at Bourke, and is investigating methods and programmes which will enhance the development of children with different cultural backgrounds in Australia. Surveys of immigrant, Aboriginal, and old Australian white children have been carried out to this effect.

It is as a result of this work on intercultural studies, which has been published in overseas journals and books, that Dr. de Lacey has been invited by the East-West Centre to share his expertise with the fifteen graduate students who will finally be selected from Asia, the Pacific, and the United States.

The East-West Centre itself is part of the University of Hawaii complex and uses the University's facilities. However, it is separately funded by the United States Congress.



DR. Philip de Lacey.

Co-op Bookshop adopts new ways to obtain text lists

The University Co-operative Bookshop Limited has adopted new procedures to obtain text lists from academic staff for 1977 courses.

In a recent letter to the Vice-chancellor, Co-op general manager, Mr. W. A. Kricker, said that staff co-operation in the procedures would not only mean a better service to students but also information benefits to staff in every department.

He said: "All department and school heads have been advised that on July 19 we will be forwarding them stocks of a special Co-op textbook list form, together with a brochure outlining the benefits that will ensue from the prompt completion of these forms.

"These benefits will include far greater capacity on the part of the Co-op to provide staff with information about the texts they have set."

Mr. Kricker said that if lists were received back at the Bookshop by the due date (August 20), this would mean the Co-op could:

1. contact departments in early December if the Co-op had received advice that a particular text would not be available by the first week in term - so that lecturers could set an alternative book or re-schedule the course.
2. provide information about any price increases which may affect student purchases of a book - again, so that alternative texts may be set.
3. advise of other factors, such as publishers' intentions not to reprint, the likelihood of a new edition being published, and so on.
4. establish a comprehensive file of all courses taught on campus, their set texts, and their lecturers. This would mean that the Co-op could regularly check sales of texts by courses and advise where estimates by staff were inaccurate.

U.S. mathematician to give talk

A distinguished American mathematician, Professor Edwin Hewitt, will give a talk at the Department of Mathematics on August 16.

Professor Hewitt is a native of Washington State and received the degrees of A.B., M.A., and Ph.D. in quick succession from Harvard University in the early 1940's.

After war service as an operations analyst with the U.S.A.A.F., he held a variety of academic appointments and, in 1948, joined the University of Washington at Seattle.

Since then, he has mainly been with this University but has also visited many other Universities. These have included the Australian National University in 1963, 1970 and this year, as well as a visit to the University of Western Australia earlier this year. In his travels, he has flown more than one million miles.

Professor Hewitt has also been involved with many American mathematical associations and is the author (sometimes with others) of three books (including one of two volumes) and of many research papers.

Further details of Professor Hewitt's visit will be announced later. Inquiries should be directed to Dr. P. G. Laird, Department of Mathematics.

Tutors appointed

Mrs. Faye Roberts has been appointed temporary tutor in the Department of History from July 5.

She has a B.A. (hon.) and M.A. (hon.) from the University of Melbourne, and a Diploma in Social Anthropology from the University of Oxford.

Mr. Richard Miller, from Saskatchewan, Canada, has been appointed tutor in Computing Science from July 5.

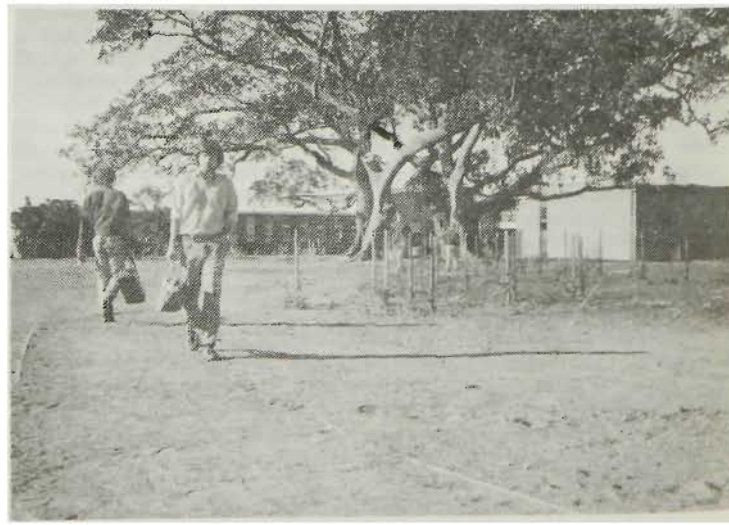
He has a Bachelor of Science from the University of Saskatchewan.



AERIAL view of the University of Wollongong campus and of the Institute of Education, taken in June.



LANDSCAPE Supervisor, Mr. Leon Fuller (right), and Mr. Bill Mintram, Curator (sports pavilion and playing fields) examine plants in the nursery established in the old tennis courts adjacent to the Heat Engines Laboratory.



THE PATHWAY, which links the Library and the University Union (in background), winds past recent tree plantings (on the right) and the clump of fig trees — a dominant feature in the central campus area.



OUR CHANGING LANDSCAPE



CAR PARK adjacent to Northfields Avenue (on the left), the University Union (in background), and the Metallurgy Building (on right). Last year more than 1000 shrubs and trees were planted in this car park, which has 308 parking bays, to provide shade and to beautify the area.

2 Major concerns emerge

During 1975, two major concerns worthy of comment emerged in the Counselling Centre.

These were outlined in the centre's report for 1975 to the Academic Senate at its July 28 meeting:

1. the poor English comprehension skills of many students, a trend which continued from the previous year; and
2. the difficulties many students find with presenting tutorial papers and with tutorials generally.

The report said that, with tutorial presentation tending to receive a greater weight in a continuous assessment procedure, this situation appeared to warrant close investigation.

The counsellors, Mr. Jim McLennan, who has now left the University, and Mrs. Monica Manton, were involved in individual counselling relating to a wide range of social, emotional, educational and vocational concerns.

A total of 674 persons were seen (1974: 497) involving 1294 interviews (1974: 898).

H. P. S. Working Party set up

At its July 28 meeting, the Academic Senate set up a Working Party on History and Philosophy of Science.

The Working Party will report on:

1. the general area of activity of the Department, particularly in relation to co-ordination and integrat-

ion with teaching and research programmes in the Faculties of Engineering and Science, and in the Departments of Philosophy, Sociology, and History;

2. possible joint programmes with relevant Departments; and

3. an appropriate statement on the Department's activities and interests for use in appointing a professor.

Members of the Working Party are: Mr. J. R. Panter, chairman; Professor J. L. C. Chipman; Professor S. C. Hill; and the chairman or nominee from the Faculties of Engineering, Mathematics, and Science.

Computer Course for Schools

The University's Department of Mathematics will conduct a Computer Course for Schools on August 6 and 7.

The course which is for Year 11 students will introduce them to computing and programming and will allow them to run simple programmes on the University's UNIVAC 1106 computer.

The students will come from throughout the South Coast Area Directorate, including Ulladulla, Moruya, Bega and Eden on the coast and the inland towns of Moss Vale, Bowral, Goulburn, Crookwell and Braidwood.

Many of the participants from the Wollongong area are providing billets for the country students.

UNIVERSITY GOVERNMENT NEWS

The University Council

This report covers business from the University Council's June meeting.

PRELIMINARY BUSINESS. The Chancellor, Mr. Justice Hope, said that on behalf of the Council, he had conveyed to the Vice-Chancellor and to the Registrar and his staff, in particular to the Graduation Officer, Mr. T. R. Moore, Council's appreciation for the efficient way in which the University's first Graduation and the Installation of the Chancellor had been conducted.

He said that letters of congratulation and good wishes had been received from the Australian National University and from Sir Webster, former Chancellor of the University of New South Wales. The Australian National University had presented a gift of books and he had, on behalf of the University, acknowledged the gift.

The Chancellor welcomed Mr. D. Jamieson, who has been invited to attend University Council meetings in his capacity as president of the Students' Representative Council.

On behalf of the Council, the Chancellor congratulated Council member, Professor F. J. Fenner, on having been made a Companion of the Order of St. Michael and St. George.

DEPARTMENT OF MECHANICAL ENGINEERING. The Council approved the fulltime programme for the B.E. - Mechanical Engineering, as presented, and resolved that Schedule C of the Bachelor Degree Requirements, Bachelor of Engineering - Mechanical Engineering, be amended.

MASTER OF ARTS DEGREE. The Council established a degree of Master of Arts within the provisions of the Master Degree Requirements.

TRIENNIAL PLANNING AND FUNDING. The Council noted the following Senate resolution: "that the Academic Senate of this University express concern at the Federal Government's (a) proposed reduction in the number of post-graduate awards and possible reduction in the financial support and research at universities; (b) proposed re-introduction in 1977 of tuition fees for second and postgraduate degrees."

The Council received and noted the Vice-Chancellor's statement, "The Development of the University till 1980: Some notes on the Transition of the University to a 'Steady State' condition" dated June 17, 1976, on the funding of the University for 1977-79.

INTRODUCTION OF ITALIAN. The Vice-Chancellor invited responses from members on a proposal that the Department of French offer a course in Italian and on a possible future consequential change leading to the establishment of a Department of Romance Languages or Modern European Languages in place of the Department of French. Support was expressed for the introduction of Italian. The Vice-Chancellor noted that Council would not object to a proposal establishing a Department of Romance Languages in place of the Department of French.

The Council noted the proposal for the introduction of the 100-level subject, Introductory Italian, and noted further that the resource implications of the proposal were under consideration in the wider context of overall academic developments within the University. The Council invited the Academic Senate to rephrase the content of the subject Italian 103 so as to eliminate reference to offerings at other (subject) levels.

The Academic Senate

This report covers business from the Academic Senate's July meeting.

ACADEMIC RESOURCES. The Senate received the Resources Committee's Report on Recommendations for Allocations of Academic Resources in the University, 1977-1979. The report covers such areas as: the global academic budget, 1977; academic staffing; technical and support staff; housekeeping; and secretarial support. Copies of the report are available from Departmental Chairmen.

UNIVERSITY DAY. The Vice-Chancellor informed the Academic Senate that he would write, through the Registrar, to Departmental Chairmen and ask them to decide if classes would be held in their own subjects on University Day (August 13) and to inform the Registrar of their decisions.

BACHELOR OF MATHEMATICS. The Academic Senate established a Bachelor of Mathematics pass degree and a Bachelor of Mathematics honours degree.



BACHELOR DEGREE PROPOSALS. The Academic Senate decided that in future all proposals for new bachelor degrees would be referred to the Undergraduate Studies Committee.

GRADUATE SUBJECTS. The Academic Senate decided that all subjects of a graduate nature be listed under a schedule of graduate subjects.

MASTERS DEGREES. The Academic Senate recommended the establishment of Master of Metallurgy and Master of Education degrees.

UNIVERSITY RESEARCH. The Academic Senate received Professor G. Brinson's report on the A.V.C.C. - sponsored conference on university research.

STUDENT AND UNIVERSITY FINANCES: The Academic Senate expressed concern at the uncertainty of funding, on the basis of the rolling programme for University funding approved by the Federal Government, and supported the case for an increase in the allowance payable to students under the Tertiary Education Assistance Scheme.

NEW-STYLE GENERAL STUDIES. The Academic Senate noted an Academic Assembly resolution about the funding of New-Style General Studies subjects and Ms. D. Jone's letter commenting on the Assembly's resolution.

The Academic Senate noted that, although the planning of study leave must be considered in formulating proposals for New-Style General Studies subjects, in this particular instance the argument for part-time resources for the teaching of the subject, "Women in Society", was being represented as an emergency akin to protracted illness or resignation, and, that, if the University continued to offer General Studies as at present time, such a situation must be expected from time to time.

The Academic Senate recommended that the Resources Committee should sympathetically consider the request for part-time funding for the subject, "Women in Society", and that the Committee on General Studies be asked to report on the problems associated with staffing General Studies subjects.

INTERIM REPORT. The Academic Senate received the Interim Report of the Committee on Community Needs for Graduates and thanked Professors K. A. Blakey, R. C. King, and C. A. M. Gray for its preparation.

RESIGNATION. The Academic Senate noted Professor J. B. Ryan's resignation from the Academic Planning Committee.

All about Sociology at Wollongong

The nature of the discipline of Sociology means that its inter-connections are established not only through specific subject matter but, just as importantly, through the experience of students.

The strength of Sociology lies in its ability to relate life experience to theoretical constructions utilised for understanding society and vice-versa.

Many sociologists feel that social activity, in all its myriad forms, can be best understood from the viewpoint of the here and now.

Students are therefore encouraged to analyse the content of their own social experiences, in order to develop a critical stance for piercing the veils of mystification which surround interaction.

The model for this kind of dissection, however, though grounded in experience, gains depth and insight from a wide range of social theorists, i.e., by placing it within an historical context. The orientation is therefore experimental, backed up by a dynamic tradition of social thinking.

This year (1976) is the second year Sociology has been offered at the University of Wollongong. Consequently, apart from two Ph.D. students, we have only first-and second-year students at present. Over the next two years, we will build up to a full three-year course with an honours year.

The first session of Sociology I, by emphasising the role of the individual in society, attempts to relate the content of the course to the student's own experience, although the analysis applied to such experience probably differs from the common-sense way of viewing the world. From an early concentration on social meaning, wider issues are introduced in Session II.

Sociology II, has a common core of theory and research for the first half of the year — a commonality centred on the basic themes of cohesion, conflict and social change. Methodology concentrates upon basic principles and concepts of social research, and links these to concrete operations.

The content of the course up to the end of first session of Sociology II, therefore, is the same for all students. The second half of Sociology II and Sociology III is designed to broaden this understanding by making available a number of options in specific areas.

The options available in Sociology II include:

Belief Systems and Ideologies; Time, Work and Leisure; the Structure and Dynamics of Small Groups.

Those available in Sociology III include:

Contemporary Culture; Religion and Society; the Individual in Society; Military Sociology; Science, Technology and Society; the Individual in the Organisation and Social Stratification.

A study in depth of these areas gives the student the opportunity to build up both expertise as a sociologist and a knowledge and understanding of the world.

An advanced strand, concentrating on Marx, Weber and Durkheim in Sociology II and the Sociology of Knowledge in Sociology III, is also available.

The aim of the course throughout is to develop in the student an understanding of contemporary society (a sociological imagination) which is informed by both an historical and cross-cultural perspective.

EDITOR'S NOTE:

This article was prepared by members of the Department of Sociology.

Meeting discusses documents

At a special meeting on July 7, the Academic Senate discussed the set of documents, from the University Council's Staff Committee on Conditions of Academic Staff Employment.

The meeting also had been circulated with copies of: the Senate's amendments and comments combined with the report of the Ad Hoc Committee on Academic Appointments recommending on the Terms and Conditions of Appointment and Service of Academic Staff in the University; and the Vice-Chancellor's comments on the relationship between the above document and the Staff Committee's documents.

Senator for official opening

The Minister for Education, Senator Carrick, will visit the University of Wollongong and the Institute of Education on September 3.

After morning tea with the Chancellor, Mr. Justice Hope, and the Vice-Chancellor, Professor L. M. Birt, he will tour the campus and, at noon, will officially open the Social Science Building.

This three-storey building, at the western end of the campus, cost \$1,340,000 and houses the Departments of Accountancy, Economics, Education, Geography, Psychology, and Sociology.

After lunch in the University Union, Senator Carrick will inspect the Institute of Education.

Senator Carrick, who has a Bachelor of Economics from the University of Sydney, was elected to the Senate for New South Wales in 1970.

In November, last year, he was commissioned as Minister for Urban and Regional Development and Minister for Housing and Construction in the Fraser "Caretaker" Ministry.

In December, he was commissioned as Minister for Education and Minister assisting the Prime Minister in Federal Affairs.

S.R.C. seeks information

The Students' Representative Council is seeking information from individuals and groups in the Illawarra and South Coast area about progressive schools, alternative education, learning exchanges/forums, pre-school, and primary and secondary courses of education (departmental and non-departmental schools).

The objective will be to compile and disseminate this information to the University and other sections of the community.

According to S.R.C. Education Officer, Mr. Michael Halls, the purpose of the information, after compilation, will be to:

1. provide a service to the community by bringing together this type of information;
2. encourage and promote the principles of the information and the knowledge of alternative facilities; and
3. encourage teachers, both pre-school and in-service, as well as other members of the community, to set up and/or support programmes of community involvement in educational experience.

Such support would include: (a) active involvement by student teachers; and (b) direct finance from student bodies and government departments, as well as from the members of the local community.

Mr. Halls said that practical experience in such exchanges was being pressed to be taken as an effective addition, or alternative, to school experience currently required by the University and the Institute of Education.

Information should be sent to: Mr. Michael Halls, Education Officer, The University of Wollongong S.R.C., P.O. Box 1144, Wollongong, 2500.

Working Party says thankyou

The members of the Working Party on Student Workloads would like to thank those students who submitted comment on the issue of student workloads.

The submissions received were looked at and discussed at the Working Party's meeting on July 16.

At this meeting, members agreed that investigations should continue into student workloads but that, in the meantime, a report be forwarded to the Academic Senate, detailing the Working Party's activities to date and informing senators of the problems that appear to give students concern.

All students who responded to the Working Party's request to send submissions, plus the student representatives of departments, will receive a copy of the interim report for information and comment.

It is hoped that all or some of the students who submitted comments will be able to attend the Working Party's next meeting. Any future developments or further information concerning the Working Party's activities will be transmitted to departmental student representatives and placed in the campus media.

FOCUS ON PEOPLE

NEW STAFF

Economics lecturer



DR. Donald E. Lewis

Dr. Donald E. Lewis assumed duties as lecturer in the Department of Economics on June 21.

He gained his Bachelor of Arts degree in economics from California State University at Humboldt in 1966; his Master of Arts degree in economics from Washington State University in 1968; and his Doctor of Philosophy degree from the same University in 1971.

His Ph.D. thesis was entitled, "An empirical test of the Heckscher-Ohlin Model based on regional trade flows." This was an empirical test of the most important theory in international trade.

Between 1966 and 1968, he held a National Science Foundation Fellowship.

Dr. Lewis taught as an assistant professor of economics at California State University at Chico (1969-72) and at Russell Sage College in New York (1972-76).

His special areas of interest are micro-economic theory, quantitative methods, and international trade. His current research is concerned with the role of women in the economy.

His publications include papers on the empirical tests of alternative theories of trade, and economic concepts for business students.

His teaching areas at Wollongong are micro theory and quantitative methods.

Systems analyst

Miss Wing Chee Leung assumed duties as a systems analyst in the Registrar's Division on July 12.

She gained her Bachelor of Science degree in mathematics from London University in 1963 and, in March this year, began a part-time Masters degree in mathematics at the University of Wollongong.

Miss Leung has had more than thirteen years experience in computing. In the last ten years, she has done systems analysis and designing work for organisations in England and Australia.

Miss Leung, who is Chinese, was brought up in South Vietnam and educated in England.

Philosophy lecturer



MISS Suzanne Uniacke.

Miss Suzanne Uniacke assumed duties as lecturer in the Department of Philosophy on July 12.

She gained her Bachelor of Arts degree, with honours in philosophy, from La Trobe University in 1973. In the same year, she was awarded the D. M. Myers University Medal.

In 1974 and 1975, she was a tutor in La Trobe's Philosophy Department and was a senior tutor there this year until July.

She is currently working on her Master of Arts thesis. The topic is "responsibility" . . . the concept of moral responsibility, with special reference to agency, action, motive and intention.

Her other current research interest is concerned with problems arising from the Catholic Doctrine of Double Effect: (a) formulating ethical principles (b) exceptionless moral rules (c) conditions of praise and blame.

During the first half of Second Session, Miss Uniacke is lecturing Philosophy 1 students on topics arising from John Stuart Mill's On Liberty.



MISS Wing Chee Leung.

Ian Dunn — an appreciation

When Tony Barker asked me to write a few words to mark Ian Dunn's retirement from involvement with the University Union and Sports Association, I agreed rather hesitatingly.

Tony suggested that the close working relationship I had with Ian placed me in a good position to provide a resume of his achievements during his six years as Secretary-Manager.

My hesitancy arose for precisely the same reason and the associated feeling that perhaps I was too closely involved to provide an overview of his efforts.

In finally preparing this article, I did so for two reasons: to place on public record the appreciation that many people, who have been associated with Ian, have of his work; and to provide for others a more detailed understanding of philosophy and methods.

From the outset, Ian identified closely with the Union and Sports Association and less closely with the University Administration.

Coming to Wollongong from the University of New England, where, as Secretary Manager of the Sports Union, he administered an organisation with considerable autonomy of operation, he felt strongly that neither the Union nor the Sports Association at Wollongong had sufficient, real independence of operation.

In fact, during the whole period of his involvement with these organisations, one of the major causes of conflict between the Union and the University stemmed from the desire of the Union to achieve effective control over its own affairs.

Almost immediately, of course, the cry of "empire building" came from some areas of the then University College. This claim was, I believe, grossly unfair because it carried with it the implication that the main reason for Ian's preoccupation with the status and independence of the Union was to build a power base for himself.

Rather, the actual reason was that he believed that, as far as possible, the decision-making responsibility should remain with the people most affected by the decision — the users of the Union.

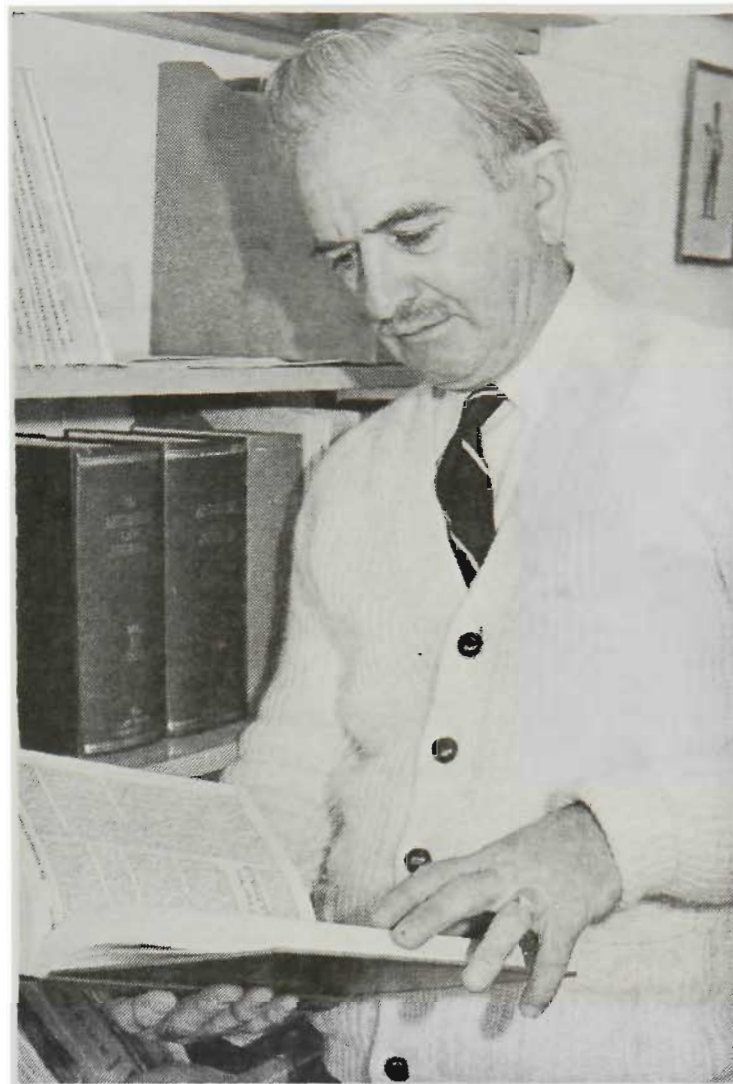
To that end, he was actively involved in the unsuccessful attempt a few years ago to alter the composition of the Board of Management so that all board members would be elected by Union members.

It is not possible to list all the areas and developments with which Ian was associated over the years. Clearly, any fulltime executive officer of the Union and Sports Association will have a significant influence on the development of those organisations; but the first executive officer is in a particularly unique position.

In order to give the reader some idea of the scope of Ian's contribution, I will mention a few of the areas with which he has been involved:

1. The detailed development associated with the Union Stage III Project.
2. The fostering of the Union's involvement in the support of affiliated clubs and societies.
3. Through his membership of the Management Committee of the Australian Universities Sports Association, Ian was instrumental in the establishment of Sports Committees through which the players of individual sports would be able to take a more active part in the determination of national policy in that sport.
4. The establishment of a close liaison with members of the community and with various community groups when the concept of "community involvement" was perhaps not quite as fashionable as it is now.
5. The detailed negotiation associated with the granting of liquor permits to university unions.
6. The commitment to the concept of a University Union with a common membership of students and staff and the negotiation with the University for financial support in return for staff membership.

As with anyone in the position of first secretary-manager, much of Ian's work was directed toward the provision of a foundation upon which many of the activities and services, which he believed the Union should be involved in, could be developed.



MR. Ian Dunn, former University Union secretary-manager; now senior lecturer, Department of Accountancy.

Much of this work was carried out behind the scenes, and the results will only become apparent in the years ahead.

A man who, when he grasped an issue or a point of principle, did not let go without a fight, he often found himself in a conflict situation with other members of the University.

In such a position, he was a formidable opponent who did not readily admit defeat and often made things quite uncomfortable for some members of the University Administration, many of whom were, I am sure, quite relieved when he resigned as secretary-manager.

From the Union staff under him, he expected an honest, conscientious approach to their work; but in return for it the staff received complete support in any decisions they made. While privately he might reprimand an employee, Ian was fiercely protective of his staff in public and was always prepared to accept the responsibility for the consequences of errors of others.

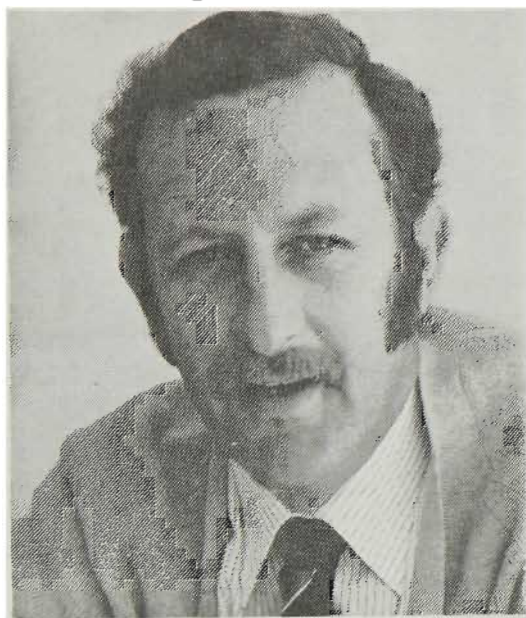
Clearly Ian Dunn, like all of us, has his own particular strengths and weaknesses and, as often happens, people delight in highlighting weaknesses and downgrading the strengths.

In a university, there are often as many views as there are people on campus. Some people disagreed with Ian's ideas; while others opposed some of his methods; but I have no doubt that through his achievements in the Union and Sports Association he has made a positive contribution to this University — a contribution which I am sure will become widely recognised in the years ahead.

I wish him well as he continues his association with the University as senior lecturer in the Department of Accountancy.

David Lear

Hugh Brandon is selected to manage Canadian tour



MR. Hugh Brandon.

The University's Finance Officer, Mr. Hugh Brandon, has been selected as the manager of the Australian Universities Sports Association basketball team to tour Canada at the end of the year.

The team will play matches against member universities of the Canadian Intercollegiate Athletic Union.

It is proposed that about ten matches will be played between November 24 and December 14. The universities the team will play include: Dalhousie (Halifax), Concordia (Montreal), Lakehead (Thunder Bay), Manitoba (Winnipeg), and Alberta (Edmonton). It is also hoped that games can be arranged in California and Hawaii.

Mr. Brandon began his basketball in Illawarra when he was 18. He represented Illawarra between 1958 and 1971 and New South Wales at the Australian Open Basketball Championships in 1969 (Launceston), 1970 (Adelaide), and 1971 (Mackay) before retiring from representative basketball.

He has been treasurer of the Illawarra Amateur Basketball Association and is currently a trustee of the association.

He was instrumental in starting the University men's basketball team, which now regularly competes in the local first-grade competition. He is currently captain-coach of the University men's first-grade team and coach of the women's number one team. He is also president of the University Basketball Club.

Basketball Club strong chance

The University men's basketball team has a chance of gaining a semi-final position at this year's Intervarsity.

This follows the team's strong series of games in the Tertiary Carnival recently at Beaton Park Basketball Stadium.

In its semi-final, University beat last year's winner, Gordon CAE, by five points.

This put University into an all-Wollongong grand final against the Institute of Education, which won a controversial semi-final by one point against the Australian National University.

Although University led by a point at halftime, the Institute won the game -- but the University was not disgraced.

Top scorers for University were Bruce Andrews (15), Nigel Watler (10), and Wally Hammonds (10).

Currently, the University 1 men's team is holding a strong position in the local competition, only a few competition points behind South Wollongong.

The women's team, severely hampered by a shortage of players, did not fare so well at the Tertiary Carnival. It finished fifth.

Adelaide won the women's grand final, reproducing the same strong game against Wollongong Institute of Education as it did in last year's grand final.

Prof. Chipman to give address

The annual conference of the Australasian Association of Philosophy will be held at the University of Melbourne from August 22 to 28.

Professor of Philosophy at the University of Wollongong, Professor Lauchlan Chipman, will give the presidential address.

His topic will be: "The Secret Life of Dumb Animals".

During the conference, Professor Chipman will move that next year's conference be held at the University of Wollongong.

Among the papers to be delivered are: "Some Aspects of Hindu Thought", "Crime and the Concept of Harm", "Whose Afraid of the Plague?", "Astrology and Medieval Medicine", "Abortion", "The Australian Scientific Community", and "Touring History Walls as a Medium to Bring History of Science and Technology to Provincial Areas".

Students are welcome to attend any session of the conference on a casual basis. Enquiries should be directed to the departmental secretary, Ms. Gail Smith.

A full programme is displayed on the notice board outside the Department of Philosophy office.

Staff changes

RESIGNATIONS

Dr. K. FAULL	17/6/76	Snr. Research Officer	Chemistry
Miss M. CAMERON	4/5/76	Secretary	Geography
Mrs. G. H. MESSUM	8/7/76	Clerk	Registrar's Div.
Mrs. R. A. HUNT	30/6/76	Snr. Librarian	Technical Services
Miss L. M. DENNIS	30/6/76	Research Assist.	Library
Mr. J. P. McLENNAN	19/7/76	Student Counsellor	Registrar's Div.
Miss L. M. BOONE	20/7/76	Librarian	Technical Services
Mr. R. GLEN	23/7/76	Tech. Officer	Chemistry

APPOINTMENTS

Mr. J. KELLY	8/7/76	Analyst Programmer	A.D.P. Unit
Ms. S. M. UNIACKE	12/7/76	Lecturer	Philosophy
Miss W. G. LEUNG	12/7/76	Systems Analyst	Library Admin.
Mrs. L. G. ROSS	12/7/76	Office Assist.	Library
Miss N. TOMASHEK	15/7/76	Stenographer	Student Admin.
Mrs. C. McFARLANE	15/7/76	Secretary	Accountancy
Dr. W. MITCHELL	1/7/76	Temp. Tutor	History
Mrs. R. SMITHERS	26/7/76	Programmer	A.D.P. Unit
Mrs. M. MANTON	19/7/76	Acting Counsellor	Registrar's Div.

The University of Wollongong

CAMPUS NEWS

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Tony Barker	Editor
Dorothy Schneid	Production Assistant
Beatrice Henderson	Production Assistant