

CAMPUS NEWS

A MAGAZINE FOR THE UNIVERSITY

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WIN TV completes university special

WIN TV has completed the production of a thirty-minute special entitled, "University . . . a New Way of Life".

The station produced the special, as a community service, in association with the University of Wollongong's Schools Liaison Committee.

After discussion between WIN TV and University personnel, it was agreed that the community in general and high-school students in particular would benefit greatly from a film highlighting campus life.

Production meetings were held late last year, and it was decided that filming should begin in March this year, with Mr. John Schindler as producer-director and Mr. Horst Vahrenholz as cameraman.

Miss Lynn Edwards, a graduate assistant in the Registrar's Division, agreed to write the script and to be liaison officer for the production. She also helped with the casting.

It was agreed that the film should be semi-documentary, mixing "the real" with the staged.

The special follows two students during their first year at university.

Wollongong Institute of Education students, Rod Monk, 20, and Lynn Longhurst, 21, play the main roles.

Rod, who is majoring in drama and art, plays "Warwick", a boy from the bush. Lynn, who is majoring in drama and educational media, plays "Sue", a city girl who finds university life not what she expected.

In the film, the University's Schools Liaison Officer, Mrs. Dorothy Schneid, plays herself as does Mr. Jim McLennan, the former University Counsellor.

Mrs. Schneid, who is responsible for contact between the University and high schools throughout the southern area of New South Wales, says she is delighted with the production.



STUDYING the script for the film, "University . . . a New Way of Life", are (from left): Miss Lynn Longhurst, who plays "Sue"; script-writer, Miss Lynn Edwards; and producer-director, Mr. John Schindler.

"It will assist me considerably in conveying life on the campus to high school students," she said.

Filming in 16mm colour was completed late in August at no cost to the University.

The final version was transferred to two-inch videotape, and several copies on three-quarter-inch cassette were bought by the University.

The film will have a special preview screening at the University on October 29 and will be televised by WIN TV at 5.30 p.m. on Saturday, October 30.

For the article by Miss Lynn Edwards on "The making of a university film", turn to pages 8 and 9.

STUDENT ALLOWANCES TO RISE

The Minister for Education, Senator Carrick, has announced increases in tertiary student allowances from January 1 next year.

The allowances will rise by about one-third, the first increase since the beginning of 1975.

In releasing the details of the increases, Senator Carrick said that the possibility of indexing the allowances, to match inflation would be reviewed before the next Budget.

He said the Government had decided not to reintroduce fees for higher and second-degree courses because no equitable way had been found to distinguish them from primary degrees.

Senator Carrick said that the Government would institute an inquiry into the feasibility of a loan scheme for post-school students.

The inquiry would begin as soon as possible and would seek views from the public as well as from the parties directly interested and would include, among those conducting the inquiry, a representative of students.

The Tertiary Education Assistance Scheme (T.E.A.S.) is the

biggest single scheme involved in the increased allowances.

A self-supporting student living away from home will receive \$43 a week (up 40 percent).

A dependent student living away from home will be entitled to \$38 a week (up 24 percent).

A dependent student living at home will get \$24 a week (up 25 percent).

The weekly allowance for a dependent spouse will be almost doubled (from \$15 to \$29) and the allowance for a dependent child will increase slightly (from \$7 to \$7.50).

The incidental allowance of \$100 a year will remain unchanged.

The means test on the maximum family income which attracts a full allowance has been lifted by about eight percent from \$7600 to \$8200.

Senator Carrick said that from next year long-vacation earnings would be included in assessing the maximum personal income a student may receive without affecting his allowance. The level would remain at \$1500 a year.

For a report on Senator Carrick's visit to the University on September 3, turn to pages 5 and 6.

The 1977 Alternate Handbook

Dear Editor,

I am writing in reply to certain misconceptions about the proposed 1977 Alternate Handbook (Campus News, Vol. 2 No. 9: Prof. Southall's letter).

From the students' response, the 1976 handbook was a great success and extremely helpful to students intending to enrol in certain courses. The main drawback was that many subjects were not included in the handbook as material on them had not been available. Even the material printed was not always agreed with by other students who had completed the same course. If they had also written, this would have been overcome as both views could have been presented. The lack of contributors can only be considered unfortunate.

More specifically, Prof. Southall seems to have misunderstood the nature of the handbook. The outline proposed by the S.R.C. Education Officer was to suggest to students areas which they could write about - areas which have been shown to be of particular interest to students.

A proposed course might appear interesting to a student, but her/his ideas about a course would not necessarily be the same as the staff running it. A lecturer who has been presenting the same lectures unchanged for the past ten years is obviously inadequate and has no conception of present day ideas on the subject. It is helpful to realise this before enrolling in a course.

In the same way, a student attending a lecture on Persian pottery does not expect to be lectured on the building of the harbour bridge. It has no relevance to the pottery student and would only be a waste of time. Again, this is helpful to know - Engineering students would know when to attend.

The Alternate Handbook is also useful concerning textbooks. For a student on \$30 a week (if lucky), it is helpful to know what books are essential to buy and what ones may be obtained from the Library. It is ridiculous and quite unnecessary to expect a student to buy books which have previously been found to be useless and unreadable. The handbook information on this should be invaluable.

Similarly, course work and the subsequent work load is very important to assess, particularly for part-time students, S.A.P.S., and those with children to care for (bearing in mind the inadequacy of child-minding facilities). However much one enjoys a subject, if a student has a family to clean and feed, that student cannot devote the same amount of time as a student without these concerns. Knowing three students who have halved their workload since the beginning of the year because of this problem, this is a very real issue.

It is stupid to pretend the credit-point system is any guide in this matter, as the committee on student workloads must have found. The best way of finding out how heavy the demands of the course will be is to obtain the information from students who have previously completed the course.

Assessment cannot be regarded as a "narrow concern" since the student's academic record is based on this. It is helpful for students to know what percentage of their work is assessed by exams, tutorial papers, essays, reports, seminar participation and so forth, as this relates to how a student might cope with the course.

Obviously, an extremely nervous student will perform badly in the tutorial situation, although she/he might write brilliant essays. It is also helpful to know in what manner one will be assessed. If neat hand writing and a strong emphasis on secondary sources in an essay achieve the highest marks, then students cannot be too disappointed or delighted if they are told this beforehand.

Academics are as fallible and as subjective as other mortals, and it is stupid to foster in the first-year student a myth that university courses are run by Olympians. The sooner the sins and shortcomings of many of the academics are brought home to the student, the sooner that student breaks away from the constricting concerns the Australian education system instills.

Of course, with many of the subjects offered, this is quite impossible. Science-based subjects rely very heavily on lectures, and it is the lecturer who makes or breaks the course. It is useful for the student to know what these lecturers are like and to assess whether the courses will be worthwhile. It is pointless to re-educate the

Big roll-up for Schools Day



MISS Ada Stroligo, of Corrimal High School, assisted by Associate Professor Nick Standish, looks through a stereo microscope in the Department of Metallurgy during the annual Schools Day on September 17. The microscope is used for preparing specimens for the department's electron microscope.

More than 400 Year-12 students from high schools in Wollongong and adjacent areas participated in the Schools Day held at the University on September 17.

The Schools Day is aimed at enabling students to make a better-informed decision about courses which they might choose to follow.

Staff from a majority of the University's departments met the students and gave them an opportunity to discuss and find out more about the subjects which students might like to include in a programme of study at University.

Schools Liaison Officer, Mrs. Dorothy Schneid, said: "From comments which have filtered back to the University, it appears that, overall, the students found the day very useful."

"Some students changed their minds about courses they were intending to follow and many were able to clarify any preconceived ideas they may have had."

"Lectures in subjects which are not normally part of the school curriculum were particularly helpful."

"Of course, the expectations and requirements of the students differed, but many found value in the opportunity provided, as they were able to discuss other points of concern, such as the type of employment for which majors in some of the courses fitted them."

students when the fault lies with the academics. If a student wants an Engineering degree, for example, then that student is force fed, attending the prescribed lectures and practicals and regurgitating it all in the exams, and at the end of it, coming out with the other sausages as a fully fledged engineer. To these, the Handbook could smack of doom.

To get the most out of university, the fullest understanding of what a student can expect from a prescribed course is very important. Only then can that student work out how and why she/he can get the best interest, enjoyment and use from the subjects she/he is enrolled in.

It is difficult to see how Prof. Southall can fail to understand this. One of the 1976 Alternate Handbook contributors completed Honours English in 1975 and showed a ready understanding of the problems and needs of the students. If this view was so contrary to Professor Southall's own view, why, on his understanding, was the student not re-directed to a C.A.E. in first year.

I believe that students will be better equipped for university having read the information the Alternate Handbook provides (as long as there are enough contributors) and can only benefit from a fuller understanding of their own role in the courses they are enrolled in.

**Yours sincerely,
Penelope Griffiths.**

Staff develop coastal research

University of Wollongong academic staff, through their coastal research projects, are gathering basic data of great value for beach restoration and development work in the Illawarra Region.

They are Associate Professor D. J. Clarke, Department of Mathematics; Dr. I. Eliot, Department of Geography; and Dr. B. G. Jones, Department of Geology.

Associate Professor Clarke, an oceanographer, is working in a 300-kilometre region from Brush Island, south of Ulladulla, to Lake Macquarie.

He is assessing low-frequency and high-frequency shelf wave activity, together with shorter length shelf waves, using pressure gauges and current meters.

These waves can have significant effects on beach erosion during storms and on storm run-off out of Lake Illawarra.

This assessment will enable him to detail comprehensively storm-generated shelf waves off the coast from Bass Point to Port Kembla.

His work is providing wave and current data for the adjoining surf zone between Barrack Point and Windang Island.

Associate Professor Clarke is also mapping vertical temperature profiles in a twelve-kilometre square grid, offshore from Bass Point to Port Kembla.

This study, when sampled at an increased rate, will provide data on upwelling in the grid area during the summer months when north-east winds prevail.

These winds cause an offshore current to be generated in the surface layers, and this coastal surface water is replaced by colder and deeper offshore water which is high in nutrients. Fish feed on these nutrients.

Associate Professor Clarke is also undertaking vertical temperature profiling measurements in Jervis Bay.

He proposes to use the bay as an oceanographic laboratory in which he will study the propagation of internal waves.

Daily temperature records at Wollongong are expected to be coupled with similar data obtained by the CSIRO at Cronulla to give information on thermal currents along the coast.

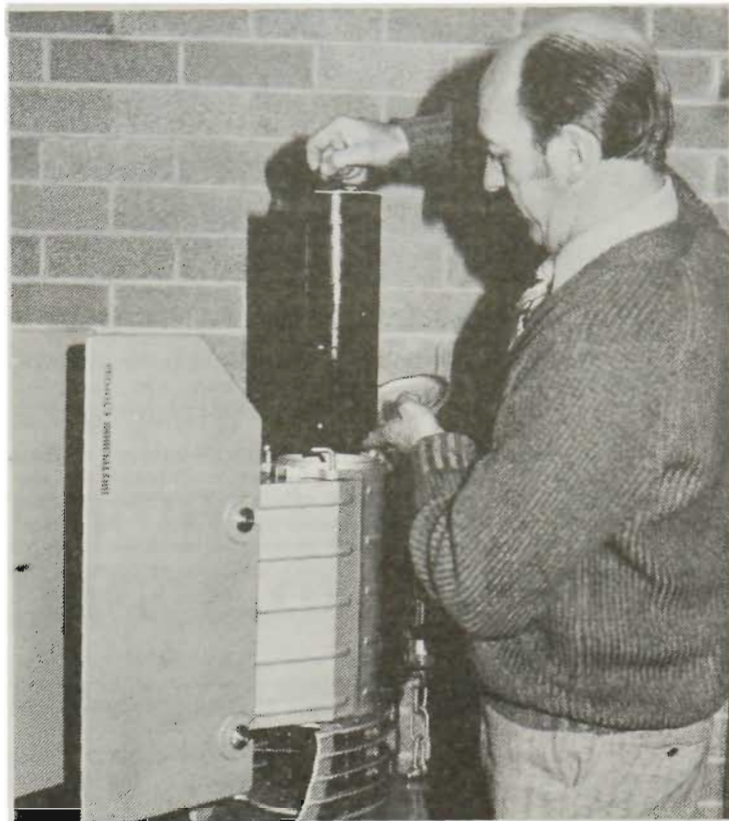
Dr. Eliot, a geomorphologist, is monitoring shoreline change on Warilla Beach.

Fortnightly surveys of the beach profile, at eighteen stations along the beach, are conducted with a view to estimating the volume of sediment being displaced both along and across the beach.

Estimation of the rate of beach recovery after each phase of high seas is possible from these results and comparisons may be drawn between protected and unprotected sections of the beach.

Beach recovery in the protected section, seaward of a large rock-wall is slower than elsewhere.

This is thought to be due to the presence of rip currents which are tied to irregularities in the sea wall, often undercutting the wall



ASSOCIATE PROFESSOR Des Clarke, Department of Mathematics, about to place the recording mechanism inside the water-tight compartment of a Russian-built Alexeev current meter, one of two he is using in his coastal research.

during strong seas, and to peculiarities in groundwater flow along this section of the beach.

Dr. Eliot hopes to estimate the role of rip currents in, first, conserving beach sediment by holding it in store within the inshore zone and, second, determining beach profile configuration.

Detailed measurements of inshore bar morphology, current flow patterns in a rip catchment, and swash-watertable interactions on Warilla Beach are also to be examined.

The mechanics of sediment exchange between Warilla Beach and adjoining beaches also require close examination.

At present, it is thought that the tombolo bar linking Windang Island to the mainland acts as a one-way "Y" junction valve.

Sediment from Warilla moves through a bar breach during strong south-east seas, but is prevented from returning by bar closure during calmer periods.

Dr. Eliot would like to extend his profile studies to the Windang (Perkins-Port Kembla) Beaches and combine these observations with detailed studies of lake entrance morphodynamics in order to examine more closely sediment transfer between Warilla and Perkins Beaches.

Dr. Jones, a sedimentologist, is presently studying sediment composition and distribution patterns in Lake Illawarra including the lake entrance and the area near Windang Island.

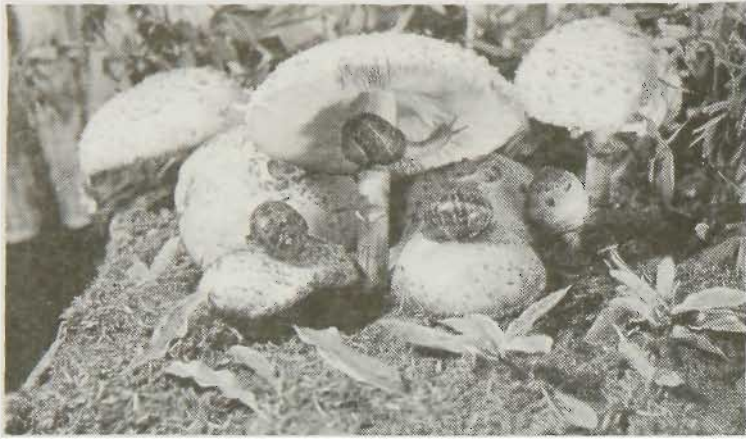
His envisaged research includes a general survey of sediment size and composition offshore from the Windang embayment to the edge of the continental shelf.

The study will also include sediment tracer experiments, bed morphology surveys, assessment of shelly faunal communities, and the estimation of the nett sediment budget with the Windang embayment.



THIRD-YEAR Geography student, Greg De Coster, holds an aluminium survey staff for Dr. Ian Eliot during a profile exercise on a Wollongong beach.

.....of snails and mushrooms



Forty-six photographs were exhibited in the University Camera Club's annual exhibition in the Union last month.

The University Camera Club's exhibition in the Union last month drew a total of forty-six photographs for display.

One of them was the above photograph, the end-result of a long and frustrating day for John Willis.

John, who is a laboratory assistant in the Department of Electrical Engineering, found a crop of mushrooms in his backyard.

Not letting a chance go by for a nature shot, he was soon down at ground level, quite sure he had a good subject.

Thirty-six clicks and many snail poses later, he went to his improvised dark room in his wife Aileen's wardrobe to load the film into a developing tank.

Aileen, very inquisitive, opened the wardrobe door to great cries of woe over a now ruined film.

Not to be beaten, John picked the mushrooms, set them in a box of grass and leaves, arranged the lighting and the camera, and brought the three snails into the pre-set scene on the kitchen table . . . and waited.

After a long time, one of the reluctant snails decided to look about. Thirty-six more times the camera clicked . . . and the above photograph was the result.

Changed basis for HSC

The State Premier, Mr. Wran, announced in August that Cabinet, on the recommendation of the Minister for Education, Mr. Bedford, had decided that both external examination results and moderated school estimates should be used in determining Higher School Certificate awards.

Mr. Wran said the changes proposed by the Board of Senior School Studies would be introduced for the 1977 Higher School Certificate examinations.

He said: "Experience has shown a significantly high correlation between moderated school estimates and scaled marks obtained at past Higher School Certificate examinations.

"As moderated school estimates are closely related to examination performance, a composite score comprising both these components would be a more reliable index of student achievement than either component by itself.

"The Government accepts the view that awards should be based on a composite mark comprising a 50% external examination component and a 50% moderated school estimate component.

"The changed procedures will not require amendment of the Education Act, but it will be necessary for the Board of Senior School Studies to revise its rules for the award of the Higher School Certificate."

Support for 1978-80 guidelines

The Australian Vice-Chancellor's Committee has told the Minister for Education, Senator Carrick, that, if a rolling triennial system was to be followed for a few years, the AVCC supported the Universities Commission's recommended 1978-80 guidelines.

The AVCC is examining various aspects of the report and its implications for universities.

Comet photographed

This year, periodic comet D'Arrest passed closest to the earth since its discovery in 1851. On August 12, it was less than fourteen million miles from earth.

Photographs were taken of D'Arrest at about 1 a.m. on Saturday, September 4, with the University's 46 cm reflector on Mt. Keira.

They were taken by Glen Moore, a tutor in the Department of Physics, assisted by Andrew Dixon, of the Illawarra Astronomical Society, who is a Science student at the University.

The five-minute exposures show the movement of D'Arrest through the stars over a period of an hour.

F.A.U.S.A. 1976-77 office bearers

The Federation of Australian University Staff Associations (F.A.U.S.A.) held its annual general meeting at the University of Newcastle in August.

Office bearers for 1976-77 are: president, Prof. J.R. Niland, Dept. of Industrial Relations, Uni. of N.S.W.; vice-president, Mr. P.C. Byers, Faculty of Commerce, Uni. of Tasmania; executive members: Mr. A.W. Anderson, Research Unit in University Education, Uni. of W.A., Mr. R.W. Byrom, Dept. of Law, Uni. of Qld.; Mrs. S.M. Jack, Dept. of History, Uni. of Sydney, and Dr. A.D. Spaul, Dept. of Education, Monash University.

Union election results

The annual Union Board of Management elections were held on September 13 and 14.

A total of 323 persons voted and cast a total of 1163 votes.

The following were elected to the board: Alison Geary (two years), Desmond Jamieson (two years), Gregory Butler (two years), and Daniel Burke (one year).

A total of nine candidates stood for the above positions.

Michael Ross, the only nomination for the position of life member to be elected by the life members, was declared elected to the board for a two-year term.

Attorney-General is dinner speaker

The State Attorney-General, Mr. Walker, was the guest speaker at the University Union annual dinner in the Union Hall on September 10.

About 160 guests attended the dinner. The toast to the University was proposed by Robyn Slater (response Andrew MacDonald) and the toast to the Union by Doug Symes (response Tony Nutt).

University informs organisations

The University has acquainted organisations in Wollongong of the steps needed to obtain formal approval for use of land for a road reserve extending from the Robsons Road - Northfields Avenue intersection to Dallas Street.

The Estate Manager, Mr. J. F. Bell, said the organisations were: the Higher Education Board, Wollongong Institute of Education, the Department of Main Roads, and Wollongong City Council.

Mr. Bell said that formal approval to use the land would need to be given by the State Minister for Education, Mr. Bedford, who presently has title to the land.

Geographical Society annual meeting

The Geographical Society's annual general meeting will be held on October 19 in Room G03 (senior laboratory), Social Science Building, at 8 p.m.

Dr. R. W. Young will give the presidential address on "Lake Illawarra: Past, Present and Future".

Nominations will be received and elections conducted for the positions of president, secretary, treasurer and committee members for 1977.

All interested persons are invited to attend.

University's future is assured



SENATOR Carrick, Minister for Education, remonstrating with students during his visit to the campus on September 3 to open the Social Science Building.

The future of the University of Wollongong, in terms of its stability and growth, was absolutely assured, the Minister for Education, Senator Carrick, said here on September 3.

Senator Carrick was officially opening the \$1.34 million Social Science Building.

He said: "Let me make it perfectly clear that this is so.

"And, indeed, I invite you to read the report of the Universities Commission, because it was the guidelines of my government and myself which directed the Commission to the need of Wollongong University, being a young and growing university, to get special help.

"And, indeed, as a result of those guidelines, Wollongong University will get special help.

"It will get very special growth and it will get very special capital building programmes, particularly in 1978 and 1979.

"The Universities Commission has said something that all of you should understand: it has said, by the end of this triennium, Wollongong University will be equal in facilities and resources to any of the established universities in Australia.

"And it will be my proud task to make it so and more; I give you that assurance."

Senator Carrick said that when his Government came to power there had been an abandonment of a triennium, an abandonment of forward planning, and a cutback in education which put this university and all other small-growth universities in jeopardy.

He said: "I'm here to tell you that we have restored the triennium.

"And those of you who ask what is good about a rolling triennium, I'll tell you this: it ensures that you have continued upward growth and that you cannot be cut back in that period.

"In a nation in which education was cut back in the past, we are guaranteeing that, in the triennium ahead, there will be no cut back, there will be forward expansion, and there will be very real growth.

"I give you the assurance that in the years ahead, every matriculant who desires to get into tertiary education will be found a place in the colleges and the universities.

"There will be a true equality of opportunity, yes, a real equality of opportunity because there will be an uplift in your Tertiary Education Assistance Scheme allowances.

"There will be for the first time in two years a review of your TEAS allowances and other allowances.

"There will be, in fact, a recognition that inflation and unemployment have destroyed your base, your living as students, and, therefore, we will be striving to bring about equality of opportunity.

"I remind you that it was the previous government which did not put up the allowances and that the previous government left them at the cost of living of June, 1974. Now, we will put them up."



A CROWD of student demonstrators gathered around the Minister for Education, Senator Carrick, to ask him questions before the opening of the Social Science Building on September 3.

Campus looks to period of growth

The University of Wollongong looked forward to a period of continuing growth and further university development, the Vice-Chancellor, Professor L.M. Birt, said on September 3.

He was welcoming the Minister for Education, Senator Carrick, at the official opening of the \$1.34 million Social Science Building.

Professor Birt said: "We are very pleased, Senator, that you have been able to come to the new University of Wollongong in its second year of life and to make this, in fact, your first visit to the University.

"The buildings that you've walked past and, indeed, the building that you are opening are, I think, a very striking indication of both the establishment of the new university and its effective development during the last year-and-a-half.

"We look forward to a period of continuing growth and further university development.

"With that prospect of development ahead of us, there are some things which I particularly welcome.

"I welcome the Government's restoration of a form of triennial funding, because, as you will know from representations made to you from many quarters, it is only with such a form of funding that universities can plan effectively for their future at all.

"I welcome also the increased real expenditure for university development.

"In particular, that has meant for us an opportunity to strengthen what we are now doing and to consolidate our activities with some modest expansion until 1980.

"And finally, I welcome very much the fact that we will be able to increase both in student numbers and staff numbers until about 1980."

Professor Birt said that many other things caused the University anxiety.

He said: "As far as this University goes, I think our particular anxieties, or the ones that I feel most acutely, are twofold.

"The first is that our growth will, by anticipation, cease at or about 1980. I believe that there is considerable potential for further expansion of university growth in this region.

"You will remember, Minister, that there was a suggestion that there be another university in Campbelltown, which is close, close enough to us for it to be served by the University here.

"I'm also anxious about the uncertainty that still attaches to the form in which our supplementary funding will be provided, because that makes for real difficulties in effective planning, even in a rolling triennial system."

S.R.C. report on Carrick visit



STUDENT protesters marching to the Social Science Building in preparation for the demonstration against the Minister for Education, Senator Carrick, on September 3.

On September 3, students and some academic staff protested to the Minister for Education, Senator Carrick, about Government education policies.

On September 3, students and some members of the academic staff protested to the Minister for Education, Senator Carrick, about Government Education policies.

The S.R.C. and the student body, in conjunction with the Trades and Labor Council, the Australian Union of Students and members of the community, arranged not only to voice our opinions at the opening of the Social Science Building but also to speak privately with the Senator; Mr. G. Green, Regional Director, N.S.W. Office, Dept. of Education; and Mr. David Green, Director, Public Relations, Dept. of Education, Canberra.

A deputation was arranged by the Registrar, Mr. Ron Stewart, for four student representatives to talk with Senator Carrick. We discussed education policies but received little or no new information.

The Senator does not favour a loans scheme to replace TEAS. It would be supplementary. But where would the money come from? Probably as a result of harsher means testing.

Senator Carrick considers there are economic benefits in reintroducing postgraduate fees. (This, however, is not a certainty.) Surely, this amount would be so small that it would not cover administrative costs of collecting fees. Wollongong can expect establishment grants to continue.

Senator Carrick considers that the proposed system offers equal opportunity to all members of the community.

The response to the deputation was tokenistic. Senator Carrick insisted that there was no reduction in migrant or Aboriginal education spending. It could be found in other areas of the budget.

He considers that we have more than enough pre-school and other teachers, probably because there won't be any jobs for them in N.S.W.

The results of the investigation and rationalisation of student assistance are already known. Students will face stricter means testing; some will also have fees. Few will be independent under an undesirable loans scheme.

The demonstration achieved publicity, greater awareness of dissatisfaction, and a sense of total frustration.

Senator Carrick had a wonderful time "chatting" with students, but he never listened to anything they said. He answered their questions with "New Federalism" and old information.

He attempted to make the students understand that the behaviour of the previous government (albeit insufficient) was not correctly directed. Now it is directed towards defence, to elitism, to the rich and the employers.

"Life is not meant to be easy", and students can expect this prophesy to come true.

Genuinely, the Senator did want to talk at students. He spoke to our first deputation; he exchanged verbiage with us at the demo; in the S.R.C. office, he carried on his one-sided discussion.

The second interview was similar to the first. Senator Carrick agreed that students should not have to get their education on hire purchase.

Moreover, before loans were introduced, a public inquiry with students on the committee would be held.

Thanks to all the students who attended. It's good to see you care about your education.

The S.R.C.

How Eng. Soc. won the Cup

The morning of Sunday, September 12, dawned bright and clear. Soon after the earliest light, at about 11 a.m., the hardy warriors of this University ventured forth to do battle on behalf of their clubs and societies, in quest of the much-venerated Intersociety Soccer Cup.

The advance guard of Eng. Soc. were the first to arrive. They immediately set up camp at the mid-point of one sideline of the field of battle.

A gaudy, washed-out-green tent with a dirty white roof was soon set up, festooned with support ropes.

Inside its vast canopy, many gallons of delicate fermented beverages were arrayed for consumption by the warriors.

Alongside the tent, a huge barbecue was begun: the legendary Union barbecue, reputed to be large enough to roast fifty large boars at once thereupon.

Unfortunately, the gas cylinder for this amazing device was empty, and a delay of several hours resulted therefrom whilst the head chef, Arnie McLean, through super-human efforts at the wheel of his yellow pick-up truck, was able to rectify the problem.

But, finally, the tournaments got underway. The first joust betwixt Dip. Ed. and Table Tennis (resplendent in their red and blue uniforms), resulted in a 7-1 win for Dip. Ed.

Hot on the heels of this engagement, Hockey and Aussie Rules clashed, resulting in a torrid 2—all draw.

Then, whilst the combatants refreshed themselves from the supplies of keg-tapper extraordinary, D. John Harrison, and partook of a meal, another field upon which to do battle was discovered - - an old hockey field.

This resulted in two clashes being possible at once, as Engineers met a combined Metallurgy-Geology-Women side and Hockey met Table Tennis at the same time. The result was a win for Engineers (4-3) and a win to Table Tennis (2-0).

The sun was sinking slowly towards the western boundry of the firmament as the final matches approached. Table Tennis were to do battle with Metallurgy-Geology-Women, whilst a Grand Final betwixt Dip. Ed. and Engineers began on the main battleground. Eventually, Table Tennis were victorious (1-0).

The Grand Final, however, progressed from a nil-all draw to a 1—all draw five minutes from the end.

Both sides exploded into last-minute bursts of action, resulting eventually in a win for Dip. Ed. (3-2).

The warriors then left the battle-field for more refreshments - - alas, only the keg of Old remained. They also partook of some rare steak (the gas had run out again).

Apart from the knot of people around the Eng. Soc. pavilion, the only sign of life was J., wandering around clearing up all the litter (thanks, J.).

As the sun set, the pavilion was dismantled, as was the barbecue, and the annual Soccer Cup for 1976 faded into time, to be recounted often in legends of days of yore.

As for the Cup itself, Engineers won it on a countback (Dip. Ed. had fifteen players, Eng. Soc. thirteen - - take two off Dip. Ed. score). Anyway, Eng. Soc. provided the grog and the steaks. Dip. Ed. was second and Table Tennis third.

Greg W. Butler.

Recruitment for academic posts

Recruitment for the academic positions listed below is underway:

Senior lecturer/lecturer, Physics (Astronomy); senior lecturer/lecturer, Accountancy; senior lecturer/lecturer, Sociology; lecturer, Italian; lecturer, Computing Science; senior lecturer/lecturer, Biology (Ecology); lecturer (two posts), Mechanical Engineering; lecturer, English.

Historical Journal now available

Copies of the University of Wollongong Historical Journal (Vol. 2 No. 1, March, 1976) are now available from the Union Shop and the Department of History for 75c.

The edition contains articles by F. S. Piggin ("Religion and the Industrial Revolution: An Analysis of E. P. Thompson's Interpretation of Methodism"), Rosemary Auchmuty ("The Victorian Theory of Spinsterhood"), and Colm Kiernan ("Arthur Calwell's Clashes with the Australian Press, 1943 - 1945").

Students support child-care needs



CHILDREN line up to receive a hand-out of sweets during the "children's picnic" in the Union Hall on September 7. The gathering was organised to demonstrate the need for proper child-care facilities on campus.

A general meeting of students on September 9 voted to re-introduce the miscellaneous fee to aid campus child-care facilities.

The meeting decided to request the Administration to collect a miscellaneous fee of \$3 to go into a community chest administered by a committee "with a fair representation of students".

It decided that the money raised should be directed entirely into campus child-care facilities until such facilities are viable.

S.R.C. president, Mr. Des Jamieson, said: "It is hoped that the community chest can be added to by miscellaneous funds that are accumulated by the University, such as donations, or, possibly, by direct grant from the University.

"The child-care facilities have been given first priority, as this is the major example, at the moment, of the type of funding to which the community chest is to be used; that is, projects that have difficulty obtaining funding through the usual committees or bodies".

This move comes at a time when a group of University students, all the parents of young children, are pressing strongly for improvements to campus child-care facilities.

They have formed a group called the Parents' Club, which was granted affiliation with the University Union at the Board of Management's September 21 meeting.

At the moment, the Hockey Hut, now called the "Kids Uni.", is being used Monday to Friday as a make-shift child-care centre.

It is ill-equipped and poorly fitted for child-care, but its users hope to persuade the University and/or the University Union "to do something positive, so that we can move towards having proper facilities by 1977."

Twenty-seven children are being cared for each week, with the maximum number being thirteen children on Tuesday afternoons. They are under the co-operative supervision of six rostered parents, plus the casual help of other parents.

Most of the parents are women, some of whom entered the University through the Special Admissions Programme.

The centre has operated since April this year. Parents, by leaving their children there, are able to attend lectures and meet their other university commitments. Each parent contributes 50c a week to cover operating costs.

The child-care users have received some financial and other help this year . . . mainly from the Students' Representative Council and also from the University and the Union.

But much more help was needed, Parents' Club spokesperson, Ms. Marian Zaunbrecher, said recently.

She said: "We have come from nothing to this; but now we desperately need University support.

"Long hours are being put in by a small group of parents and their university work is suffering. It will be a terrible waste if nothing further happens."

Ms. Zaunbrecher said that agitation for improvements for next year would centre on obtaining a guarantor for a nurse's or pre-school teacher's salary and ensuring the building met the required child-care standards.

She said: "We are investigating the possibility of having one full-time staff member. The aim is that the centre will be self-supporting; that is, fees will pay for her salary.

"In order to engage staff, certain alterations to the Hockey Hut will have to be made.

"Additional alterations to those proposed by the Administration must be done in order to comply with Government Regulations.

"To hire fulltime staff by March 1 next year, we must have a permit, but we cannot apply for a permit until the alterations have been made.

"Therefore, alterations must be finished by December 1 this year."

Ms. Zaunbrecher said that the Club was obtaining a report listing what alterations were needed to meet Government requirements.

She said that the plan for next year envisaged that every parent who intended to use the centre should put in four straight hours of minding each week.

This would entitle the person to four hours of free minding. Any further minding would cost 50c a child an hour.

She said: "Anyone, who is not able to do minding, would have pay more to have his or her child minded.

"If we aim to have five fulltime children, this should cover the nurse's salary."

Broken ski tips cause alarm

University Outdoor's Club officials are said to be alarmed at an increase in ski-tip breakages.

In the last two months, no less than six ski tips have been broken or damaged.

A call has gone to manufacturers to produce a more sturdy ski that will endure the rugged skiing style of the Outdoors Club, especially of the Gong Uni Racing Team (G.U.R.T.) members.

The latest misadventures are set out below.

On an expedition to Horse Camp Hut on July 31, G.U.R.T. leader, John Graham, collided with a bush, breaking off the tip of a ski.

The tip was never seen again, but fortunately the skier was unhurt.

Disaster struck again when Mr. Graham, equipped with a new set of gleaming red skis, charged over a precipitous six-inch rut on the side of the road at Dead Horse Gap on the Tin Mine expedition (August 14 and 15).

On-the-spot observers attributed the cause of the accident to the poor light which is often experienced in this area at 2 a.m.

Undaunted by this second setback, the same adventurous G.U.R.T. member was involved in yet another mishap.

The very next day, when returning from Tin Mine Hut to Cascade Hut, Mr. Graham failed to observe a sharp U-turn in the road and attempted gallantly to forge a track through the thick Eucalypt forest.

A loud crack was heard and another ski-tip had bitten the snow. Witnesses again attributed the accident to poor light which plagues this area after sunset.

In other incidents, Mr. Dave Whitelaw demolished two tips in a spectacular collapse while trying to avoid a collision with a female skier sprawled across the track during the 15-km Intervarsity cross-country event at Perisher.

Mr. Ian Burns (G.U.R.T.) cracked a ski tip on a trip from the Chalet to Perisher, but damage was later reported to be slight.

The making of a university film

By Lynn Edwards

When 1976 was just beginning to stretch out of post-New Year slumber, the Schools Liaison Officer, Dorothy Schneid, bounced into my office and announced that I had been nominated as scriptwriter for a "television documentary".

My first reaction was to fumble through that bulwark of the Public Service . . . the desk calendar . . . and assure myself that the year had not "leaped" forward to April 1.

Mumbling something like "pull the other one", I refused to believe the insistent Mrs. Schneid until her story had been corroborated by the Assistant Registrar (Student Admin.) and then by the Registrar himself.

It seemed that, when volunteers had been called for, my name (the rest of me being absent) had been pushed forward whilst everyone else had quickly scampered backwards.

I approached my task with a minimal knowledge of what was required and absolutely no experience of scriptwriting. I sat through the first planning meeting feeling like Sam Gamgee at the Council of Elrond.

Fortunately, Jim McLennon, with his awareness of student problems, and Tony Barker, with his media experience, were able to suggest outlines for the story and format.

After that first, and only, meeting, we decided that the film was not to be a propaganda piece for either university education or for this particular University. We recognised the need to tell a cautionary as well as an inviting tale.

What emerged later was not so much a documentary as a series of recollections, with two "students" talking informally about their first year at university.

To serve as recognisable guides for prospective students, the two principals had to be written as "types" . . . the lonely country boy and the immature city girl, the steady worker and the dilettante.

Their lives during one year at university are packed with more problems than a real student would probably encounter during his or her whole university career. Stereotyped and exaggerated as they are, however, the characters of "Warwick" and "Sue" hopefully possess some individuality.

I found "Warwick" the easiest and most interesting character. A slow-talking, gauche country lad, he has a wry sense of humour which saves him from becoming too maudlin. "Sue" is perhaps a little too close to stereotype to be very likeable.

"Sue" and "Warwick" are not well-groomed advertisements for

the University of Wollongong. Their stories are supposed to convey a sense of what it is like to be at university: to fill in the gaps left by the facts and figures and introductory talks presented in schools by the Schools Liaison Officer.

Whilst secular cows play a leading role in two scenes, sacred ones may sometimes be affronted by the element of parody in the script. These elements are often exploited by the choice of music for which we have to thank David Vance whose knowledge of music and impish sense of humour were invaluable.

We almost ran into trouble with the copyright laws when selecting the music. Seemingly, costs are proverbially prohibitive for the use of contemporary pieces.

Even when David explained that Handel and Brahms were, regretfully, dead, we had to determine whether they were "dead enough". We have nightmares of periwigged gentlemen demanding \$5000 in royalties.

The casting for the two leading parts was a rather desperate task for me. Having failed in early attempts at the University, I contacted Vince Rees at the W.I.E. The splendid Vince had two Institute students ringing the next day.

From there on, it was a pleasure to work with two such co-operative and professional people as Lynn Longhurst and Rod Monk.

Throughout the whole production, even during the tedious recording of the soundtrack, they never lost their tempers and their acute suggestions often saved scenes from becoming too artificial.

The filming took nearly six months (with key people disappearing on holidays), and scenes were often shot out of sequence.

Consequently, Rod and Lynn had to carry around complete changes of wardrobe and, on one of the coldest days of the year, a shivering Lynn had to play an outside scene four times in the lightest summer gear.

The two of them gave their talents and their time and expected no reward, apart from the experience gained and the satisfaction of responding to a challenge.

Rod even managed to cheer the group one tired afternoon when he had to climb a fence and wander among the aforementioned cows. Playing the country-bred Warwick, he turned in some alarm to ask, "Which one's the bull?"

Apart from the two principals, the other "actors" were literally dragged in (usually by a determined Mrs. Schneid) from the highways and byways, not to mention the Union.



MR. Rod Monk, who plays "Warwick" in the film.



MISS Lynn Longhurst, who plays "SUE" in the film.



AN INTERCINE editing machine was used to co-ordinate sound and vision for the film, "University . . . a New Way of Life". Watching a film clip are: cameraman, Mr. Horst Vahrenholz (seated), and, from left, producer-director, Mr. John Schindler; University Schools Liaison Officer, Mrs. Dorothy Schneid; and script-writer, Miss Lynn Edwards.

Unsuspecting students and staff were thrown into the middle of scenes with little prior instruction and all performed like old troopers. They entered into the spirit of things with such relish that I have a collection of precisely filled-in enrolment forms and examination booklets that probably outdo the real ones.

Special thanks must go to the staff and students of International House, particularly Ros Baynes who acted in one scene under very trying conditions.

Throughout, we received friendly co-operation from all sorts of people ranging from the principal of Figtree High School to the young chap who interrupted his lunch to allow us to film the University gates from the balcony of his flat.

Easily winning in the "people-without-whom-none-of-this-would-have-been-possible" category are John Schindler and Horst Vahrenholz from WIN 4.

John, a thoroughly nice bloke, was always patient with the bunch of tyros from the University. His comments were so diplomatic that I even forgive him for censoring two words from the script.

He and Horst carefully introduced me to television techniques and jargon . . . when we began I thought that "dissolve" was something you did with Aeroplane Jelly. They even managed to trim my basic "shot list" into a series of meaningful and coherent scenes.

Horst created the film out of this often inadequate "list". A perfectionist, with an artist's eye for detail, he filmed and then edited the entire film. The fact that the Wollongong campus emerges as a beautiful, contrasting mixture of leafy serenity and stalwart architecture says a lot for Horst's ability as a cameraman.

Many others from WIN 4 contributed to the film: Gordon who set up the lights, and the "sound boys", who recorded and mixed the soundtrack and who had to contend with a scriptwriter who relied on a watch without a second-hand for the timing of sequences.

Although I sometimes cursed them for the demands they made on my time, the writing of the script and participation in the production were enjoyable and rewarding experiences.

I still wince at parts of the commentary which might have been rewritten had I had the opportunity or re-recorded if Rod and Lynn had had the time and the stamina.

In spite of the flaws in the script, however, I hope that the performances, the production, and the superb camerawork help the film to achieve its aims.

These aims were always to capture something of the atmosphere of the university scene; to shatter purposefully some of the illusions but, at the same time, to depict some of the particular, if passing, joys of student life.



CAMERAMAN, Mr. Horst Vahrenholz, ready to shoot a sequence for the film, "University . . . a New Way of Life".

Salary increases approved

As recommended by the Academic Salaries Tribunal, Federal Cabinet has approved salary increases for academic staff.

The tribunal's report was handed to the Government on July 22.

The new salaries apply from July 1 this year. With the flow on from the National Wage Case (starting from August 20), the new salaries are:

Professor	\$29,048	
Associate Professor / Reader	\$24,433	
Senior Lecturer	\$18,390 to 21,536	(1 x 630) (4 x 629)
Lecturer	\$13,552 to 17,993	(3 x 635) (4 x 634)
Principal Tutor	\$13,552 to 15,582	(2 x 508) (2 x 507)
Senior Tutor	\$11,596 to 13,373	(2 x 356) (3 x 355)
Tutor	\$9,465 to 11,241	(1 x 356) (4 x 355)

Government education inquiry

The Commonwealth Government has decided to appoint a Committee of Inquiry into Education and Training.

The committee will deal with a number of fundamental issues related to education. In particular, it will examine the whole field of post-secondary education.

It will also examine the broader problem of the relationship between education and the labour market; it will be also asked to expand its review into secondary education as appropriate.

The review is intended to complement, not duplicate, the various State and other inquiries by taking a broad and long-term perspective.

The Government anticipates that the inquiry will last about eighteen months. Submissions and the committee's findings will be public.

The committee's composition has yet to be decided, but it will be a small expert group expressing variety of perspectives.

The Australian Vice-Chancellors' Committee has stated that it will prepare a submission.

It is particularly concerned that the announcement of the inquiry will mean no change in the guidelines for funding of universities in 1978-80, that a decision will be further delayed on the establishment of a Tertiary Education Commission, and that it will prolong the uncertainties facing the tertiary education sector.

Proposal has general support

A meeting on September 16 had expressed general but not unanimous support for the proposed composition of the new Academic Senate, the Vice-Chancellor, Professor L. M. Birt, told the Academic Senate at its September 22 meeting.

The Vice-Chancellor called the September 16 meeting to discuss the existing Academic Senate's proposals on changes to the academic structures.

Departmental and faculty chairmen, the S.R.C. President, the University Librarian, the Bursar, the Estate Manager, and the Registrar were present.

Professor Birt said the September 16 meeting had held the view that there should be a cautious approach to changing the structure with only one element at a time being changed, the first element being the composition of the Academic Senate.

The proposed changes to the faculty structure . . . that is, the responsibilities of a faculty and the number of faculties . . . should be deferred for the new Academic Senate to determine.

Although no formal motions were passed, the Academic Senate at its September 22 meeting generally agreed with the views expressed at the September 16 meeting.

The September 16 meeting also held the view that, for electoral purposes for the constitution of the new Academic Senate, the existing five faculties should be used.

Professor Birt said the meeting had asked that the new Academic Senate be established as early as possible; he had asked the Registrar, Mr. R. F. Stewart, to report on the possibility of introducing the new Academic Senate earlier than May 1977.

In a paper on the electoral ramifications of the proposed changes, Mr. Stewart said he believed it would be unwise to attempt to elect the newly-constituted Academic Senate this year.

The elections involved students and academic staff and, if held this year, would clash with the examination period.

Mr. Stewart recommended that the existing Academic Senate should remain in force until elections could be held in March-April next year.

This would enable students enrolled in 1977 to participate in the election of faculty and student representatives on the new Academic Senate, he said.

The Vice-Chancellor said that he proposed to advise the University Council at its October 29 meeting of the Academic Senate's recommendations for revisions of the academic structure and the comments of departmental and faculty chairmen on the proposed revisions.

This would give the Council an opportunity to ask for further information, before he asked it to approve any necessary legislative changes at possibly its December meeting.

Professor Birt said that he also proposed to ask the Council at its October meeting of the timetable for implementing the new structure next year.

He said the Academic Senate could take office with effect from May 1, after the faculties had been formed and their representatives elected to the Senate.

Professor Birt said that he believed that no change to the Academic Senate's committee structure should be made, except for those changes resulting from changes to Academic Senate membership.

"For 1977, I do not believe there should be any changes from the 1976 arrangements in relation to the number or names of undergraduate degrees or to the University's selection and enrolment procedures for enrolments in 1977," he said.

Professor Birt said that next year the possibilities of decentralisation and delegation of authority to faculties, and perhaps to other units, would be examined for implementation in 1978.

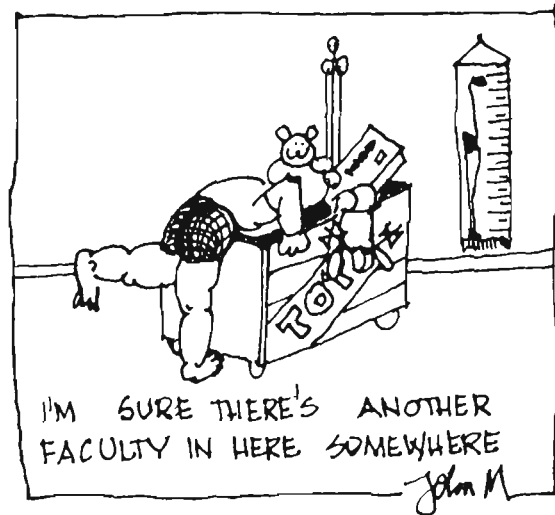
These might be in the areas of: selection, enrolment, advising and examining students and administration of degrees (including the introduction of new degrees); resource allocation; Senate committee and faculty servicing; and general academic support services such as audio-visual, workshop, computer.

He said: "I propose to ask the Registrar to take responsibility for the preparation of a report to me and Senate on these matters.

"In preparing his report, I expect him to consult widely with the academic staff as well as with the Bursar and the Estate Manager."

In suggesting the timetable, Professor Birt said he was conscious of two factors.

First, the arrangements for the implementation of the new proposals should be discussed with the new Senate after Council has



considered the changes as recommended by the present Academic Senate.

"Second, the whole area of decentralisation and delegation of authority has to be looked at very closely together with any other consequential changes that might be required to degree requirements etc.

"This process cannot be hastened, particularly as rapid changes are likely to cause a great deal of confusion to staff and students."

New Senate's composition

The Academic Senate has proposed that its new composition comprise ex-officio and elected members.

The ex-officio members are the vice-chancellor, departmental chairmen, the University librarian, and faculty chairmen.

Elected members are one member of the fulltime academic staff elected by and from members of each faculty and one student member of each faculty elected by and from the students enrolled in the subjects offered by the member departments of a given faculty.

Where a faculty chairman is an Academic Senate member because he is a departmental chairman, two academic staff members shall be elected from the relevant faculty.

The Academic Senate has proposed that the faculties become bodies to which delegations of authority can be made in two areas:

1. enrolment of students in degree courses and oversight of student progress towards completing degree requirements; and
2. resources allocations (other than of staff) to academic departments.

It has proposed that there be six faculties, each administering at least one bachelor degree, and that, normally, no degree be administered by more than one faculty.

The faculties, as proposed with their member departments, are: **Commerce** (Accountancy and Economics); **Engineering** (Civil, Electrical and Mechanical Engineering, and Metallurgy); **Humanities** (English, French, History, History and Philosophy of Science, and Philosophy); **Mathematics** (Mathematics); **Science** (Biology, Chemistry, Geology, and Physics); **Social Sciences** (Education, Geography, Psychology, and Sociology).

APPOINTMENTS

Mrs. C. NORRIS	27/9/76	Library Assist.	Library.
Mr. N. GAL	27/9/76	Laboratory Craftsman	Civil Eng.

RESIGNATIONS

Miss M. E. PEGLER	10/9/76	Librarian	Library
Mr. R. DILL	24/9/76	Admin. Assist.	Staff Office.



Illawarra librarians meet

Twenty-two representatives of fifteen libraries in the Illawarra Region met at the University on September 6 to discuss a variety of library matters and areas of common interest.

Those present represented the University, the Institute of Education, Wollongong Technical College, the Illawarra County Council, Wollongong Public Library, the Shoalhaven Shire and Shellharbour Councils, school libraries, and special libraries.

The University Librarian, Mr. J. Hazell, convened the meeting.

He said: "Whilst there is an active South Coast Regional Group of the Library Association of Australia, this is the first time librarians from different kinds of libraries, with different emphasis in information needs, have met in any formal way.

"It would be true to comment that the climate for co-operation is very apparent . . . library collections are very expensive and a possible sharing of resources is in the minds of many administrators.

"In a world where cost-benefit analysis is actively encouraged, libraries, too, must face not only the obvious question of rationalising collecting, but also of inter-library use.

"With a high inflationary rate for monographs and, particularly, serials, it is critical that the Illawarra Region should take a hard, long look at its total library operations."

Mr. Hazell said that the meeting considered: identification of roles of various types of libraries; information needs of the region; rationalisation and sharing of resources; inter-library use and lending; and training and manpower.

In general discussion, there was consideration of automation activities; foreign-language material, particularly for migrants; the possibility of local "study halls", and extension of library hours.

The next meeting of the new organisation, to be called the Illawarra Regional Librarians' Co-operation Committee, will be held on November 4.

Series focused on Aborigines

Early last month the University Union organised a series of lectures to focus attention on the problems of aboriginal Australians.

Held over a three-day period, the lectures caught the interest of students and staff.

On September 6, Messrs. R. Bellea and J. Newfong spoke on "The 1976 Budget and its Consequences for Urban Aborigines".

Mr. Bellea is a third-year Aboriginal law student and a social worker for the Aboriginal Housing, Legal and Medical Service.

Mr. Newfong is public relations officer for the Aboriginal Medical Service.

On September 7, Dr. F. Grunseit spoke on "The Health of Aboriginal Children". A medical practitioner, he is a member of the New South Wales Adoption Legislation Review Committee.

He has worked closely with Aborigines in many parts of New South Wales.

On September 8, Dr. P. de Lacey and Mr. A. Twomey spoke on "Education and Aboriginal Australians".

Dr. de Lacey is the Reader in Education at the University of Wollongong and a director of the Department of Aboriginal Affairs-funded pre-school for children at Bourke, N.S.W.

Mr. Twomey is a postgraduate student and research assistant in the University's Department of Education.

On the same day, Mr. Charles Perkins, assistant secretary in the Commonwealth Department of Aboriginal Affairs, spoke on "The Future of Aborigines in Australia".

Table Tennis Club results

The University Table Tennis Club competed in the Illawarra District Winter Competition. The results are set out below.

Division 1. University I, fourth at the end of the season, entered the minor semi-final and was beaten by Beaton Park Reds.

Division 2. University II, third at the end of the season, entered the minor semi-final. The team beat E.R. & S. in the semi-final and Albion Park R.S.L. "A" in the final, but lost to Warilla Bowling Club in the grand final. University III finished sixth.

Division 3. University IV, first at the end of the season, entered the major semi-final and beat Wollongong Losers, but lost to Dapto Cricketers in the grand final. University V withdrew from the competition in mid-season. University VII came sixth.

Division 4. University VI, second at the end of the season, entered the major semi-final in which it beat Titan Blues. The team beat Tital Blues again in the grand final. University VIII came fourth and lost to Thirroul C.Y.G. in the minor semi-final.

Congratulations to the herces of University VI: Mohammed Iqbal, Eddie Baghdadi, Fu Tjiang Ng John Johnstone (captain).

The results of the University table tennis championships held on September 9 in the Union Hall are set out below:

Men's open singles: winner, N. Q. Thoi; runner-up, J. Chytil.

Men's doubles: winners N. Q. Thoi & L. Dzong; runners-up, John Ryan & J. Leung.

Women's singles: winner, S. Chytil; runner-up, Janine Gilroy.

Women's doubles: no contestants.

Mixed Doubles: winners, S. Chytil & J. Chytil; runners-up, J. Fish & M. Iqbal.

Handicap Singles: winner, N. Q. Thoi; runner-up, M. Iqbal.

N. Q. Thoi retained his title as University table-tennis champion by winning the men's open singles for the third time since 1974.

N. Q. Thoi and L. Dzong retained their title as the University table-tennis doubles champions. They have held the title since 1974.

ARTS & CRAFTS EXHIBITION

The first Illawarra Regional Community Arts and Crafts Exhibition in the Pentagon from August 23 to 28 attracted wide-spread interest.

It was the first such exhibition held in the Pentagon Building and its success indicated the building's potential for further such exhibitions.

The Rotary Club of Fairy Meadow organised the exhibition, which included displays of basket and bark, ceramics, explosive forming, furniture, macrame, metalwork, paintings, philately, sculpture, and textiles.



A MODEL Messerschmitt BF109E, as flown by German ace, Adolf Galand, during the Battle of Britain, captured the attention of Mr. Alf King (left), senior technical officer, Department of Chemistry, and Mr. Arch Cartwright, senior technical officer, Department of Mechanical Engineering.



WOLLONGONG Institute of Education students, Miss Kathryn Johnson (left) and Lynda Tolland, look at one of the many sculptures on display.



POTTERY drew the interest of Mrs. Mary Black (left), stenographer, Department of Education, and Miss Lorna Koetz, secretary, University Union.



ADMIRING one of the paintings on display were, Finance Office staff members, Mrs. Joy Young (left) and Mrs. Judy Grigg.

Two awarded Fulbright Travel Grants

Two Members of the Department of Chemistry have been awarded Fulbright Travel Grants for study and research in the United States.

They are Mr Peter Rowley, a graduate student, who has just submitted his Ph.D. thesis, and lecturer, Dr. Peter Burton.

Previous Fulbright awards in the department have gone to another graduate student, Mr B. Chauncy (1970), and staff member, Associate Professor P. D. Bolton (1973). Mr. Chauncy received a Postgraduate Fellowship and Associate Professor Bolton a Senior Fellowship.

The Australian-American Educational Foundation administers the fellowships, which are designed to facilitate travel to the United States for study and research in any academic and many professional areas.

The general aim is to promote educational and academic information exchange between Australia and the United States.

A condition of the awards is that a detailed study/research plan must be submitted to the Foundation after the plan has been approved by the United States institution(s) at which the fellowship will be taken up.

Between twenty and thirty Fulbright awards are made annually in all fields in Australia.

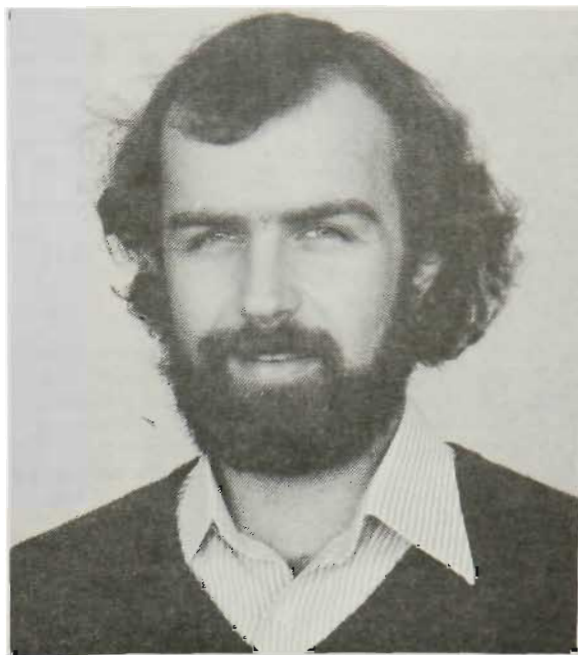
Mr. Rowley's award culminates seven years of study at Wollongong, where he gained his Bachelor of Science (Hons) degree before proceeding to his Ph.D. studies.

His recent research work has been on the detoxification of industrial effluents in conjunction with Dr. J. Ellis (Chemistry) and Dr. R. T. Whewy (Mechanical Engineering). He has become an expert in the complicated analysis of contaminated sea water from blast-furnace and coke-oven gas scrubbers and has proposed an economical and efficient way to eliminate, particularly, the cyanide contamination of water used to purify the gases produced.

A key part of his Ph.D. research has been the design of a pilot plant to demonstrate the efficiency of his detoxification proposal; and he has proved that, on this scale, his careful and successful laboratory experiments on simulated sea water can be reproduced.

In his work, Mr. Rowley has had the valuable opportunity in science of translating his initial ideas and laboratory trials all the way through to his being able to offer a remedy to a problem of local and public concern.

Through his studies he has developed an interest and a flair for the complicated chemical analysis that real pollution problems



MR. Peter Rowley.

demand; and with the aid of his Fulbright award, he intends to further his expertise in analytical and electroanalytical techniques at the University of Colorado, at Fort Collins, working with Professor R. A. Oesteryoung.

His appointment is as a postdoctoral fellow, and he expects to stay at Fort Collins for between one and two years. He will be accompanied by his wife, Kerry, son Matthew, and daughter, Peta.

Mr. Rowley did his secondary schooling at St. Joseph's College, Hunters Hill, Sydney. Since 1969, he has played First Grade with Vikings Rugby Union Club, completing about 120 games in the First Grade team.

He played in the Illawarra side in 1970, 1971, 1975 and 1976, and in two country championships in 1975 and 1976.

Dr. Burton's award has been gained in conjunction with study leave covering first session next year.

As with most scientists, he is acutely aware of the considerable delays in the publication of completed scientific research — periods of more than a year are common, aggravated in Australia by delays in international postage.

In deciding upon a study-leave venue, he was concerned to choose the most potentially profitable place at which to learn of current research.

According to Dr. Burton, California Institute of Technology at Pasadena, California, where he will spend the bulk of his leave, "is one of the most active research centres in his field (quantum chemistry and chemical physics) in the United States."

He said: "Caltech has the great advantage of being 'tuned in' to many other laboratories where related research is in progress, and there is an effective cross-fertilisation of ideas by a constant flow of seminar visitors from all over the U.S.A. and further afield.

"I have visited Caltech twice before for short periods, en route from a research visit to France, the first time in 1970, and en route to a Quantum Chemistry Conference in New Orleans earlier this year; and I have been very impressed by the level of activity and the stimulating environment for research there.

"I hope to use the opportunity to bend the ears of a few quantum chemistry 'heavies' at Caltech in 'trying out' some of the ideas generated by our recent work at Wollongong, particularly that on the atmospheric photochemistry of ozone.

"I regard that sort of discussion as an essential part of the scientific process and have occasionally regretted the necessity to travel from Wollongong so often to get 'recalibrated' with colleagues at other universities here and overseas."



DR. Peter Burton.

FOCUS ON PEOPLE

Student Counsellor appointed



UNIVERSITY Counsellor, Ms. Monica Manton.

The new University Counsellor, Monica Manton, sees her main role as "still counselling students individually".

In addition, she would like to see a lot more work done in the "preventative" sphere.

Ms. Manton, who was appointed Assistant Counsellor at the University in February last year, became Acting Counsellor after Mr. Jim McLennan's resignation on July 19.

She was appointed Senior Counsellor on September 13.

Ms. Manton said: "With preventative work, the aim is to try to identify environmental stresses and to devise ways of reducing them; for example, through orientation programmes for SAPs, parents of new students, and "out-of-Wollongong" students, and through 'transition' discussion groups.

"More work needs to be done in providing careers advice, liaising with the Careers Reference Centre to devise programmes.

"Careers choice-making must be seen in a wider context than just disseminating information.

"It must involve young people in developing self-awareness; in developing self-assessment of strengths, interests and abilities; and in development of decision-making processes."

Ms. Manton said that additional, possible Counselling Centre activities were group work with borderline students, social skills workshops, job interview workshops, and "human relations" work shops for staff and students.

She said that she would like to think that academic departments might see the possibilities of using the Counselling Centre in a consultative role in helping to sort out certain problems.

For example, at the Australian National University, the Department of Economics and the counselling staff had worked together on the problem of high failure rate.

Ms. Manton said that she would like to see the Counselling Centre liaising with community bodies for exchange of information and services and having direct involvement with any discussion of student welfare.

She obtained a B.A. (Hons) in psychology from the University of Melbourne, graduating in 1963. She has been a member of the Australian Psychological Society since 1964.

Chief Cataloguer



CHIEF Cataloguer, Mr. Sharat Kumar.

Mr. Sharat Kumar assumed duties as Chief Cataloguer in the Library on August 24.

He has come to Wollongong from the University of Zambia, in Lusaka, where he was head cataloguer.

From September, 1955, to January, 1964, he was an assistant librarian with the Indian Council of World Affairs in New Delhi.

Between January, 1964, and May, 1966, he was a documentation officer in the School of International Studies at Jawaharlal Nehru University, New Delhi, where he was responsible for cataloguing Russian collections and for the reference desk.

Between May, 1966, and June, 1969, he was the librarian for the Centre of Russian Studies at Jawaharlal Nehru University.

As the centre's first librarian, he established and organised the library.

Mr. Kumar holds a Bachelor of Arts degree in economics and political science from Panjab University, Chandigarh, a Master of Arts degree in political science from Agra University, and a Diploma in Russian from Delhi University.

His professional qualifications are a Master of Science degree in librarianship from Western Michigan University and a Diploma in Library science from Delhi University.

He reads, writes and speaks fluently English, Russian, Hindi, Sanskrit, Bengali, Punjabi and Gujarati.

Mr. Kumar is married with two children. His telephone extension in the Library is 443.

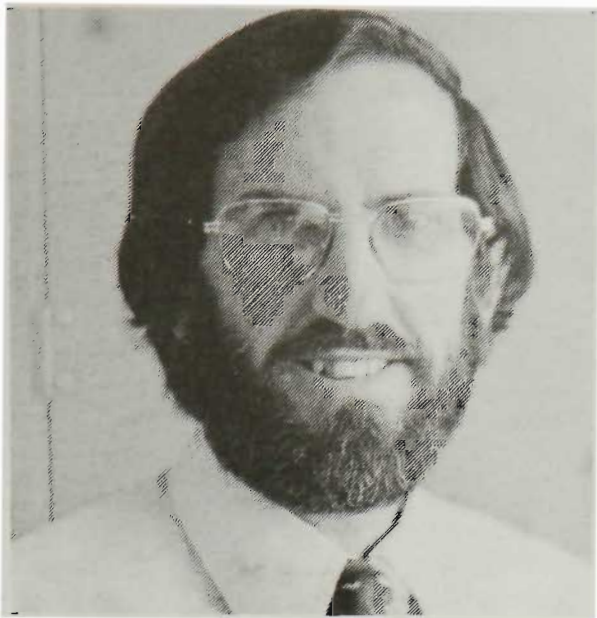
Flexitime for Admin Building Staff

Following a three-month trial period and discussions with the Public Service Association, the University on September 23 introduced flexible working hours for administrative and clerical staff in the Administration Building.

Staff are now able to select their own hours of work between 8 a.m. and 6 p.m. Monday to Friday, subject to a daily "core" time worked between 10 a.m. and 4 p.m.

They are using automatic time-recording equipment to record their flexible hours; the equipment records the total time worked on a cumulative basis, but does not record arrival or departure time.

Archives Officer



ARCHIVES Officer, Mr. Laurence Dillon.

Mr. Laurence Dillon assumed duties as Archives Officer in the Library on August 25.

He has come to Wollongong from the Archives Department of the State Library of South Australia, where he was a senior library officer.

He has a Bachelor of Arts degree in history from the University of Adelaide and a graduate Diploma in Archives Administration from the University of New South Wales.

Mr. Dillon said that the establishment of an archives and record service at Wollongong University College in 1973-74 was "a substantial and sophisticated achievement".

"I believe, however, that to maintain and develop the rich academic, administrative and regional potential of this facility, similar far-sighted and imaginative support will be required from all sections of the University," he said.

Mr. Dillon can be contacted on the first floor of the Library or through extension 287.

Chemists at N.Z. symposium

Associate Professor E. Gellert and Dr. R. Rudzats, of the Department of Chemistry, attended the 10th International Symposium on the Chemistry of Natural Products in Dunedin, New Zealand, from August 22 to 28.

They were among 520 delegates from thirty-eight countries. Associate Professor Gellert said that the number of delegates was a good one, as the symposium was held far away from the readily accessible main population and research centres of Europe and North America.

He said: "The conference was organised into six sessions. With the exception of the times set aside for the plenary lectures, the formal work of the sessions was run concurrently adding exhaustion to the exhilaration of the delegates.

"But outside the heavy formal load, the main interest of the delegates centered, as always on the informal personal exchange of ideas.

"The cementing of old friendships and establishment of new ones resulted in the formulation of co-operative ventures utilizing human and material resources of many widely separated research centres to the greatest mutual advantage of willing collaborators.

"It would be presumptuous to try to summarize the conference's achievements in a few lines, but it may be useful to single out one practical point which indicates the format modern conferences will take in the future.

"This refers to the reaffirmed establishment of Poster Sessions.

"Instead of allowing fifteen minutes (with five extra minutes for discussion) to each delegate for the presentation of his paper, the information is outlined and exhibited on a poster for the duration of a session (morning, afternoon, or evening).

"With the author in attendance, delegates are free to circulate, mill around, stop at, or pass by any of the posters and discuss points of interest to them without limit on the discussion time.

"This approach to presentation of research results was so successful at this IUPAC meeting that conference organisers will probably insist on its exclusive use at future congresses leaving only the plenary (review) lectures in their traditional form."

STUDY LEAVE

The University of Virginia

The University of Virginia is in Charlottesville (pop. about 40,000) about 160 kilometres south of Washington D.C.

The town is in the Piedmont area of South-East U.S.A., which immediately becomes obvious when it is noticed that Charlottesville is serviced by Piedmont Airlines, has at least one Piedmont Street, not to mention several Piedmont Apartments, Piedmont Real Estate, and so on.

The main street, in typical American style, is named Main Street.

Charlottesville is in undulating countryside in the foothills of the Blue Ridge Mountains and near the Shenandoah National Park. One of the most noticeable features is the enormous numbers of trees which make the town and its surrounding area very attractive in spring, summer and autumn.

The country area around the town is mostly populated by retired millionaires from the northern industrial areas. This makes land very expensive, and very little genuine farming is done.

Charlottesville is one of the big tourist towns in the U.S.A., mainly because of a famous Yank named Thomas Jefferson who was a prominent figure in the breaking away of the colonies from the not so benevolent rule of George III of England. (Charlottesville was named after Queen Charlotte, the wife of George III, or maybe it was some other English King. I'm no historian.)

Jefferson lived in luxury in Charlottesville in a mansion called Monticello, surrounded by numerous slaves and black mistresses.

He designed many of the original buildings at the University of Virginia (founded 1819) and is regarded as the Founder of the University. (One of the University's Radio Stations is "WTJU", the "TJU" standing for Thomas Jefferson's University.)

If you happen to be at the university during the summer semester, you face the very real danger of being mistaken for a local and ending up in the background of a slide taken by one of several million tourists who visit the university each year.

One interesting feature of the University is that until six years ago the student population was all male (a "Gentleman's University" was the phrase used) and almost one hundred percent white. It must have been a very dull place to be a lecturer.

There are still conservative elements who bitterly resent the rapidly increasing female content of the student population (the 1977 first-year class will be more than fifty percent female).

Mathematically-inclined males, with an eye for figures, appreciate the habit of a substantial percentage of these newly-admitted females discarding their bras during the summer semester.

The university has a student population of about 15,000 students (including about 4000 postgraduate students). Many of the departments are highly rated throughout the country, e.g., medicine, law, and, chemistry.

The University of Virginia Hospital is the largest and best-equipped hospital of Virginia. By American standards, the university is medium sized and is the most important university in Virginia.

Being a typical American University, UVA is sports minded and distributes many sports scholarships in an attempt to win sporting acclaim. The most important sports are basketball and football.

The university has a nationally-rated basketball team (in the top twenty) and a hopeless football team (one winning season in the past thirty years).

Whenever its sporting teams get beaten, the cry goes out that UVA is, after all, a distinguished academic institution, not really interested in sport.

**Dr. G.M. Mockler,
Dept. of Chemistry.**

INTERVARSITY SPORT

Team competes for first time

During the August vacation, the University Fencing Club competed in the Intersarsity competition at the University of Sydney's Sports Centre.

Club secretary, Carolyn Wright, said: "For the first time, we entered out team in two weapons - - - foil and sabre - - - and the resulting bruises showed how seriously the fencing was taken.

"However, the largest bruise was received by our coach's self-esteem, as the team improved its placing without the benefit of his fencing prowess (Malcolm was ineligible to fence, but we haven't pensioned him off yet!).

"The team consisted of Jim Kwok, Carlo Bertoldi, John Harrison, and Greg Butler, and they performed very well.

"Wollongong improved on its position last year, coming sixth in the foil competition.

"From a University with poor equipment, little experience and a very small fencing club, this is a remarkably good result.

"Worthy of special mention were the performances of Carlo Bertoldi, who won five of fifteen bouts in his first Intersarsity, and Jim Kwok, who fenced very well throughout the competition and showed himself to be the tower of strength we always thought he was.

"Thanks to this kind of solid team effort, Wollongong has shown that it has a strong foundation in fencing for future competition."

The Fencing Club meets at 7.30 p.m. on Mondays in the Union Hall. New members are welcome.

Fencing does well in Sydney

A University of Wollongong team competed for the first time in the Intersarsity Skiing Competition which was held at Thredbo from August 23 to 27.

The team comprised Anne Buchhorn, Penny Scott, Dave Whitelaw and Kevin Donegan, with official/gatekeeper, Graeme Williams.

All team members competed in the Slalom, but Kevin Donegan was the only one who successfully completed the course, finishing eleventh.

In the Giant Slalom and the Special Giant Slalom, Wollongong's sole competitor was Kevin Donegan, who failed to gain in either.

In the Cross-Country Individual, Dave Whitelaw was among the leaders when he broke both his skis. This happened near the 10-km mark of the 15-km race held at Perisher Valley, preventing Dave from completing a good run.

Kevin Donegan had waxing problems and finished well behind the leaders. Anne Buchhorn put in a creditable performance but failed to gain a place. Following the episode of the broken skis, Wollongong was forced to withdraw from the X-C Relay.

The final event was the Jump, held near Merrit's Falls in Thredbo. Plagued by injuries sustained in earlier events, Wollongong did not compete.

On the social scene, however, Wollongong represented itself well, attending all social functions and being placed equal first with La Trobe in the Annual Zoom Championship.

Success for basketball teams

The University Basketball Club competed in the Intersarsity competition from August 22 to 27 at the University of Tasmania.

The women's team, with slightly less strength than last year, easily retained its sixth position; the men's team improved its standing from ninth last year to fourth this year . . . its best performance.

University Finance Officer, Hugh Brandon, coached both teams.

Fourteen teams competed in the men's round-robin in two pools of seven teams each.

Wollongong finished first in its pool, beating Sydney 47-16, Western Australia 51-27, New South Wales 51-34, A.N.U. 44-40, and New England 52-36, and losing to Flinders 49-52.

It then played second-placed Adelaide from the other pool. Wollongong

lost 56-59 (W. Hammonds 17, B. Andrews 17, N. Watler 11), putting it in the play-off for third and fourth against N.S.W., which lost its semi to La Trobe.

In a lack-lustre game, Wollongong lost 36-52 (B. Andrews 11, W. Hammonds 10) to finish fourth.

Wollongong's first loss was to Flinders, after relief centre, Ross Kennedy, had to return to Wollongong for an interview.

This placed a heavy load on Hugh Brandon, who was carrying an ankle injury.

The toll of the week's games caught up with the team, and its standard dropped.

The team played its strongest game during the round-match against N.S.W.

Wally Hammonds and Bruce Andrews were selected in the Intersarsity All Star Team.

The first six placings in the men's competition were: Adelaide, La Trobe, N.S.W., Wollongong, A.N.U., and Flinders.

The thirteen teams in the women's round-robin were divided into pools of seven and six.

In its pool, Wollongong beat Tasmania 34-8, Sydney 37-12, and New England 25-17; it lost to Western Australia 24-29, N.S.W. 18-33, and Flinders 18-29.

The team finished fourth in its pool. Its best game was, perhaps, against New England, where it was down 7-14 at half time; the team pressed throughout the second half, scoring 18-3, a great turn around.

At this stage, Wollongong was to play-off for positions five to eight.

Third in the other pool was Adelaide, which Wollongong beat 35-27 (C. Devine 13), after being level at half time.

This put Wollongong into the play-off for fifth and sixth against La Trobe. Wollongong lost this game 21-29, giving it sixth place.

The first six placings in the women's competition were: Monash, Macquarie, Flinders, N.S.W., La Trobe, and Wollongong.

French holds students day

About 140 students from high schools between Sydney and Queanbeyan took part in a day-long programme organised by the Department of French on September 24.

The programme had the theme, Albert Camus Day, with particular emphasis on the H.S.C. text, *L'Etranger*.

The day, arranged mainly for 1976 H.S.C. French students, included: a lecture on *L'Etranger* by University of Newcastle lecturer in French, Mr. M. P. Connon; slides and a film; discussion groups and panel discussions; French music; and a pictorial biography of Albert Camus, supplied by the French Embassy in Canberra.

Department of French chairman, Professor R. B. Leal, gave a commentary on Camus's Nobel Prize Speech.

The University of Wollongong

CAMPUS NEWS

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