$7m. BUILDING GETS UNDER WAY

Work commenced last week on the clearing of the site for the new Science/Engineering Building, with a project cost in excess of $7 million.

Leighton Contractors Pty. Limited, Project Managers for the building, expect it to be completed by January, 1989. The building will provide approximately 3,700 square metres of additional floor space to be used by the Faculties of Science and Engineering.

Two large laboratories will be provided at the western end of the building for first year teaching by the Faculty of Science. This area will release existing first year teaching laboratories in a number of the Science Buildings, which after alterations that have been budgeted for in the total project cost, will provide improved facilities for teaching senior and postgraduate Science students and research.

The building will also provide extensive computer facilities, including one room accommodating at least twenty terminals with after-hours access. Accommodation will also include facilities for computer-aided design and manufacture, robotics, applied mechanics, control systems and industrial engineering.

A stepped 100-seat lecture theatre, and one of seventy-five seats, will also be provided, together with other teaching and seminar room space.

The facilities will be housed on four levels, with, at roof level, an astral observation platform for Surveying students.

The building is provided with a service lift which will facilitate access for students and staff with physical disabilities.

The building is located parallel to the main pedestrian pathway from the Library and Union to the Engineering Complex and adjacent to the main administration and classroom building at Engineering. A courtyard will be developed between the three buildings to facilitate access and to meet the pressures imposed by the increased number of students in the area.

D.D. Morris

INSIDE: $395,000 boost for Bulk Solids Group
Changes in the University’s Administration

A major restructuring of the University’s administration was approved by the Council on 14 August and the Vice-Chancellor, Professor Keith Morgan, was authorised to proceed with the implementation of the changes.

Professor Morgan, reporting the key changes to emerge from the work of the working party, said the reorganisation was necessary because the University’s functions had grown out of all recognition in the last twenty-five years. The growth in size of the University (now 5,766 students) and in scale and diversity of the academic work had been matched by requirements for more statistical information to be supplied to Canberra and by the increasing complexity of implementation of industrial, social and safety legislation.

He acknowledged the very valuable contributions made by the members of the working party — the Deputy Chancellor, Dr A. Forsythe, Professor C. Renwick and Professor L. Short.

He said there had been an encouraging response to requests for advice and comment from members of the University. Written contributions had been received from twenty-nine people and spoken contributions from many others. The submissions had been wide-ranging, addressing the matters with great earnestness and insight.

Many of the comments were in line with the views of the working party and the key changes to emerge from their discussions were:

- The Staff Office be located as a section of the Bursary.
- Administration DP be brought into one unit under the direction of DVC (Administration).
- An office with responsibility for Information, Public Relations, News and 2NUR be established, reporting directly to the Vice-Chancellor.
- The appointment of the Deputy Vice-Chancellor (Academic) be made internally by Council on the nomination of the Vice-Chancellor; the appointment of the Deputy Vice-Chancellor (Administration) be advertised. Appointments to the part-time posts of Dean be by Council on the nomination of the Vice-Chancellor, after appropriate consultation of the Senate. It was hoped that these appointments would be made for 1 January, 1988.
- Professor Morgan told Council that it was clear there was perceived in the University a persuasive argument for two Deputy Vice-Chancellors. The DVC (Academic) would be the person who co-ordinated the University’s teaching, research and academic services. This was obviously a major, continuing job.

Pressure was increasing on the University to plan all its research activities and obtain outside funds for research, he said. Consequently, a new post — Dean for Research — was being created to co-ordinate this work.

Professor Morgan said the DVC (Administration) would co-ordinate all the work of the administrative sections.

Referring to the inclusion of the Staff Officer’s functions in the Bursar’s Section, the Vice-Chancellor said that in virtually all other universities the convention was for financial and staffing responsibilities to be undertaken in one section.

He identified a group of functions which should be administered by a new appointment — a Dean of Students. He hoped this would reflect the concern implicit in the University for caring about its students, who were more numerous than any other group on the campus whose well-being was important to the University and whose needs were widespread.

Commenting on the new office for Information, Public Relations, News and 2NUR, he said there was a responsibility for the University to handle efficiently its information flow both inside and outside. The University boasted both a newspaper and a radio station and the two organs should be developed to allow the community to know more about the University’s work.

The responsibilities of the DVC (Academic) will include the Library, the Computing Centre and Community Programmes.

The DVC (Administration) will administer, as well as the other areas, the Legal, EEO and Internal Audit functions.

Letters to the Editor

Dear Sir,

L. Aurelius (University News, Vol 13, No 13) will be pleased to know the telephone books have now been distributed. However, she might be interested in the quantities that were distributed. The Computing Centre received a total of about eight copies. However, it has a total of twenty-eight staff, most of whom have a telephone. Since the higher-ups always get a new directory, I will probably be using my 1986 directory for five years. I wonder what the 1991 directory will look like?

David Morrison,
Computing Centre.

PS I have not seen the socks. DM.

Changes in Library’s hours

The Library will be closed on Saturday, 5 September, for the day to allow the power grid in Stage HIB to be joined to that in the existing building. The Library regrets any inconvenience.

The Library will reopen on Sunday, 6 September (1 to 5 pm, as usual).

To help students in Third Term, the Library will again open for extended hours on Sundays. The weekend opening hours will be:

Saturday, 1 to 5 pm.
Sunday, Noon to 6 pm.

The new hours will be introduced on 12 September.
The Medical Communication Unit's studio in the David Maddison Building. Some of the interviews and shots for the University's promotional video will be made in the studio.

UNIVERSITY TO COME ALIVE ON VIDEO

THE UNIVERSITY is to make a fifteen minute colour video to give it a boost in Hunter high schools.

In a venture proposed by the Schools Liaison Committee, the Medical Communications Unit will use the full scope of its audio-visual facilities to make a video which emphasises the features and specialties of the University.

By showing shots of some of the lakes, beaches, vineyards and restaurants in the Hunter Region, the video will present the viewpoint that Newcastle University has everything a student needs for his or her learning and leisure.

The MCU intends that next March the video will be ready for the Schools Liaison Committee to take to the high schools.

At present the unit is involved in the preparation of the script and it has invited members of the University to come up with good ideas.

Mr Adrian Daniel, Director of the MCU, said it was hoped to complete the script by the end of September and, after that, to obtain further advice from the Schools Liaison Committee.

Shooting would probably be started in October before the annual examinations.

He said Ms Vikki Gates was the producer and Professor M. Carter and Dr C. Pollnitz were advisers for the Schools Liaison Committee.

The video's overall emphasis would be on visual communication and the narrative would be provided by 'voice-overs', music and natural sounds.

Students and graduates will be selected to provide the 'voice-overs', which will be used to identify the 'on camera' action,' he said.

An opening segment made up of aerial and ground level shots was designed to turn any negative perceptions of the city and the University into 'positives'.

He sees the main body of the video as containing interviews with graduates of Newcastle who can speak on the value and scope of their university experience. Part of the video will discuss campus life and the attractions of the site.

'When we deal with academic aspects, the students will speak about their courses and the University's tangible assets, such as the extensive library, the exceptional computing facilities, the exciting research programmes and the innovative curriculum within the Faculties of Medicine and Architecture.

'Former students — successful businessmen or businesswomen — will speak of the University's national and international standing, as well as the beneficial relationship between the University and culture, business and industry in Newcastle,' Mr Daniel said.

'The emphasis will then shift to the social scene, dealing particularly with the region's lifestyles and quality of life.'

Mr Daniel said arrangements had been made for the video to have broadcast compatibility. Therefore, the University's image could be further boosted by television stations broadcasting the video.

He believed that careers reference centres and council libraries would be interested in the video, as would the University itself when it was planning activities for open days.

If you have a good idea to help the MCU make the video, for example, if you know a successful graduate, please telephone the Unit on 266 822.

STOP PRESS...

Blueprint for the Future

The Planning Committee submitted to Senate on 26 August an academic plan for the future reviewing the University's objectives and outlining possible changes in the academic structure.

The committee's report covers a wide spectrum of matters relating to the future of the University, including priorities, size, distinctiveness, structure, growth, courses, the transition from school to the university, faculty structure and research funding.

The report, among other things, proposes that the existing eight Faculties be reduced to four — Arts and Social Sciences; Mathematics, Economics and Commerce; Science and Engineering; and Medicine.

Senate received and noted the Planning Committee's report and referred it to Faculties and Departments for discussion and comment.

A special meeting of Senate to consider the proposed academic plan and any advice which might be forthcoming from the University will be held in the Council Room on 21 September at 9 am.
AVIATION COURSE NOW IN PLACE

FOLLOWING A DECISION of the Council on 14 August, the University will offer next year the first university-based course in aviation to be available in Australia.

To co-ordinate academic teaching and flying training the University has established an Institute of Aviation and appointed Associate Professor Ross Telfer, of the Department of Education, Director of Aviation to administer the course.

A Diploma in Aviation Science will be introduced to develop a career route for high-calibre professional pilots for the aviation industry.

Students will qualify for the Diploma after two years of full-time study. It may be converted to a Bachelor of Science degree after a further year of full-time studies.

In addition to the normal subjects required of a pilot, which include navigation, meteorology, and the physics of flight, the course offered by the University will provide opportunities to study topics in aviation law, aviation medicine, man-machine interaction and resource management.

Integrated with the academic course will be flight training to the level of commercial pilot with full instrument rating. The University has entered into an agreement with the Civil Air Training Academy at Cessnock (CATA) to provide students with access to this training.

The Institute of Aviation consists of experts drawn from the Australian aviation industry, including Qantas, Australian Airlines, Ansett, East-West, the Pilots’ Federation and representatives of a cross-section of general aviation.

The Institute will foster initial, and advanced, pilot training through special programmes, seminars, conferences, publications, and research. It will have a particular focus on instruction in aviation.

The Institute will create the link between academic aviation education at the University and practical flight training through its association with CATA.

Professor Telfer has been active in research and teaching in aviation since 1977, when he collaborated with Professor John Biggs and Associate Professor Max Maddock in an analysis of flight aviation at the CATA. The analysis led to the design of a flight instructor course that has become mandatory in New South Wales.

More recently, Professor Telfer has led a research project into ways of training pilots to make safer judgements, funded by the Department of Aviation. The study resulted in the development of pilot and instructor manuals and associated video tapes, which will be disseminated nationally next year. The manuals are also in use by the Federal Aviation Administration in the United States of America.

A parallel study nearing completion applies the pilot training approach to drivers. The project was funded by the New South Wales Traffic Authority.

Professor Telfer is the author or co-author of six books. The most recent, written in collaboration with Professor John Biggs, is entitled Psychology and Flight Training and has been translated into German for use as a training manual by Lufthansa German Airlines.

He is also author of some fifteen monographs, including manuals for pilots and flight instructors, and seventy journal articles.

Professor Telfer has been invited on three occasions to address the International Symposium on Aviation Psychology held at Ohio State University and last year was also invited to an international conference on pilot decision-making held by Transport Canada in Ottawa. In April this year, he was invited to Bremen, Germany, to present a paper to the flight instructors of Lufthansa.

Conference attracts delegates from afar

University administrators from as far afield as the United States and New Zealand will attend a two-day conference on maintenance and energy management at the University.

Every one of the nineteen other universities in Australia will send delegates to the conference, organised by a committee on behalf of Australian Vice-Chancellors’ Committee.

Financial accounting and performance measures for facilities; space management; CTEC capital and minor works procedures; buildings grounds aspects of social legislation; computers in facilities management; the New Zealand experience in facilities management, and energy management will be the topics of the main sessions.

The keynote address will be given by Mr Rex Dillow, Past President of the Association of Physical Plant Administrators in North America.

Mr Dillow was a senior administrator at the University of Missouri from 1969 until he retired in 1983, serving as Assistant Director of Facilities Management and later, Director and Director of Contracting and Construction.

As Director of Contracting and Construction he was responsible for both contracted and in-house construction activities of a university was a gross building area of approximately 700,000 square metres, situated on 586 acres and with student enrolments of approximately 22,000.

In all, fifty-one people will travel to Newcastle for the conference, which will be held in the Medical Sciences Lecture Theatre, K202, and on 31 August and 1 September. It will be opened by the Vice-Chancellor. On the night of 31 August a conference dinner will be held in Edward Hall.
$395,000 BOOST FOR BULK SOLIDS GROUP

Several Australian mining companies will provide $395,000 over three years to the Bulk Solids Handling Group of the Department of Mechanical Engineering for the solution of specific problems in the mining and mineral processing industries.

The money will be provided through the Australian Mineral Industries Research Association (AMIRA), which has advised that a number of other companies also intend to support the research.

The Bulk Solids Handling Group is a world leader in the professional engineering consulting field. It is a specialty division of TUNRA Limited with a full-time staff of seven and its own research laboratory and computing equipment.

Recently, additional space became available to the group in the new laboratory building of the Hunter Technology Development Centre. The group, in association with TUNRA, will lease space in this building.

As part of the research projects for the mining companies the space in the new laboratory will be used for the installation of test rigs and the group's staff will carry out extensive field work at various mines sites throughout Australia.

The grants provided through AMIRA will permit research to be done into problems in two areas — handling of bulk solids and belt conveying of bulk solids.

In the former the problems are feeder design and performance, chute and hopper performance and wear and stockpile performance characteristics, while in the latter the problems are dynamic analysis and testing of belt conveyors, use of lightweight belt reinforcing materials, development of conveyor dynamic test rig and further studies in belt cleaning.


In addition it is anticipated that Merz and McLellan and Partners, of Perth, will provide support equivalent to a full sponsorship.

The Bulk Solids Handling Group works under the direction of Professor Alan Roberts, who is a world authority in bulk materials handling technology.

Professor Roberts' associate supervisors are Dr Alex Harrison, of the CSIRO's Division of Applied Physics (a PhD graduate of this University), Mr Martin Oorns, Dr Eric Betz, Associate Professor John Chambers, Mr Jim Hayes, Mr Owen Scott, Mr David Bennett and Mr L.H. Teo.

The group now offers a professional engineering consultation service covering every aspect of bulk materials flow characterisation, storage bin design, transportation system design, plant monitoring and control.

Elaborating, Professor Roberts said the Australian mining and mineral processing industries set an example for the rest of the world by supporting innovative research.

"It is particularly gratifying to obtain a grant of this size from Australian mining companies and I think it is indicative of the recognition of the Bulk Solids Handling Group's activities in the field."
"Trying to show men how to be men"

MS GERALDINE DOOGUE, the journalist, ex-presenter of Nationwide and presently a radio announcer, gave this year's Newcastle Lecture in the Drama Theatre on 12 August. She began by saying she had decided to take a big risk — to talk about men. Her topic: Why Feminists Must Try Harder to Show Men how to be Men. As the report shows, the capacity audience heard a very powerful address.

When are men going to devise a new form of being a male, of being a modern man with a healthy esteem for his maleness, and a genuine respect for females and for that which is feminine in themselves? It's time this was said.

When are the men who hide behind explanations of inherited hormonal aggression going to seek out a set of new ethics which, at the very least, tries to counter excessive aggression and at the optimum describes it as obnoxious and not to be tolerated? I never hear it.

In other words, when are men going to accept some unpalatable truths about the power relationship into which males and females have been locked for centuries and centuries and which males have won time after time when it came to a battle?

This is a genuine question: how many men reflected on the nature, and the motive, of the violence committed on Anita Cobby by five men? Now, I know it's repugnant to every man in this room, but how many analysed why it occurred at all? What drove these five young men to such horrific excesses, to such cruelty?

Of course, everyone recoils from this horror. But horror alone — externalising it and calling for the death penalty — just isn't nearly enough.

'Lynch them,' one man told me at a party recently. 'That will fix it', 'No,' I repeat. 'It won't fix it.'

It will only be fixed when men look at why they need to control women and how the need to claim territory/women can become so grotesque.

Yet, when you start talking like this you terrify people — men and women by the way, not just men. That in itself is intriguing. It's as if the consensus between men and women is too fragile to be seriously taken out and looked at — and that's a genuine tragedy.

Women have spent the last twenty years relentlessly exploring what it means to be a woman in their own eyes. An enormous amount of intellectual and emotional energy has gone into it.

What's becoming ever more clear is that there is a vast gulf between what a woman thinks of as being feminine and what others think of as being feminine.

This gulf has caused an enormous amount of confusion about how to behave acceptably — whether to be a tough mother, or an uncomplicated Marilyn Monroe. Whether to be the Madonna or the whore. Women, hopefully, are learning to weave their own personal path between these two poles.

Men must now spend the time defining what it means to be a man, an individual and not one of the group. It might even mean a time of confusion and real transition. It isn't easy, but there is real gain to be made by passing through it and not putting it off.

If I was asked what attitude annoys me most, and what single change could be made, I would say this to men: 'Don't assume you know how modern women are thinking, because modern women are changing. There is a whole new set of behaviours — a whole new set of attitudes and mores.'

I sometimes find men rebutting me. You know, saying 'no, no, you are wrong,' with real hostility and anger when I advance theories like this. 'You are dead wrong, you couldn't be more wrong.' I really like women. I've kept up with women. Most of my friends are women. You are wrong,' and I say 'well, isn't it conceivable that I might be right, because I am a woman. Isn't it just possible that I might be right — half-right, even.'

A lot of women are less and less impressed with the way things have been done and less and less impressed with the idea that they have to be 'clone men' in order to get on. They are simply refusing to do it, although it takes an enormous amount of energy to refuse. A group of leading business men said to me the other day at a luncheon, clearly thinking that I would approve, 'oh, isn't it terrific the worst excesses are past.' I suppose that meant bra-burning — a tiny incendiary protest way back in the 60s which meant nothing basically. I said 'you couldn't be more wrong. It is only just beginning.'

Now what does all this mean? It means recognising what I think is one fundamental difference between the sexes. Women just don't revel in the fight the way men do.

The fight at the office. The one that's looming in the staff room. The P&C meeting that threatens to erupt. The dispute. Women will stand up and be counted but they do so in order to return, as soon as possible, to a platform of stability and tranquility.

They don't vote for turmoil and the sooner political parties recognise this the better. They won't vote for a group that suggests we are going to throw the whole thing up and start again, because they know they will invariably be the ones picking up the problem.

Their agenda is settlement and consensus and I like it that way. It's the great way for the future and that's why I am optimistic as long as we have the resilience to hang on.

It will mean genuine sharing if we are to go towards the vision that I see. Genuine sharing of love and power between men and women.

It will mean that women will win in some areas that they haven't before and men will receive love in some areas that they haven't before.
Applied linguists come to the 'Land Downunder'

(At right) Ross Steel and Gay Reeves, co-founders of the Applied Linguistics Association of Australia (AILA), which recently hosted AILA '87, the International Applied Linguistics Association's Congress at the University of Sydney.

It was the first time that the International Congress was held in the Southern Hemisphere and held outside Europe. The event took place eleven years after the founding of the Australian Association at the University of Newcastle at the inaugural congress convened by Gay Reeves.

More than 800 participants from thirty-eight countries attended the congress, at which there was a strong representation of Asian and Pacific, as well as European participants.

Overseas visitors were impressed with linguistic teaching and research developments in Australia and very interested in all aspects of the Australian multilingual and multicultural situation.

Twenty-four different sections were conducted on such topics as first language development and child language, second language development, language policy and planning, multilingualism, interpreting and translating, discourse analysis and stylistics, lexicography and lexicology.

At the Vice-Chancellor's reception in the Great Hall of the University of Sydney a presentation of a Festschrift was made to the President of the Congress, Professor Michael Halliday (Head of the Department of Linguistics, University of Sydney), who retires at the end of 1987.

Among the participants from the University of Newcastle were Dr Peter Peterson and postgraduate student, Marcia Fernandez, from the Department of Linguistics, and Gay Reeves, from the Language Laboratory who was also a member of the AILA Congress Committee.

Drs Doug Absalom and John Caldwell, from Newcastle CAE, were also participants.

TOP PRIZE FOR JONES

MR BRENDAN JONES, a 1985 Electrical Engineering graduate of this University, has won second prize in the 1986 IEEE Region 10 student paper competition for a paper based on his final-year project. Brendan, who is now working for Telecom, will have his paper published by the IEEE and will receive a cash prize.

The IEEE (the Institute of Electrical and Electronics Engineers) is the largest international society of electrical engineers. Region 10 is the Asian/Australian section, and Australians are in a minority. Thus, the prize represents a very impressive achievement.

Brendan's thesis, An Adaptive Digital Echo Canceller, was part of a research contract held by his supervisor, Professor A. Cantoni. It addresses the problems of the echoes which distort the information sent on a telecommunications line. Echo cancellers have been in use for some years, but Telecom wanted a better one. The new echo canceller will be modified for use in the digital telecommunications network now being introduced by Telecom.

Boosted by this success, the Department of Electrical and Computer Engineering will obviously continue to encourage honours students to submit their project work to future student paper competitions.

SCHOLAR LEAVES FOR THE U.K.

A recent graduate of the University, Mr Kevin Galvin, has been awarded a Commonwealth Scholarship for study in the United Kingdom.

Kevin graduated with Honours Class I and a University Medal in Chemical Engineering this year. He took his degree course as a part-time student, having been awarded a traineeship with BHP's Central Research Laboratories.

He will use his coveted scholarship to study for the degree of PhD at Imperial College, London. His research topic is the stability of polymeric films, especially in relation to their resistance to ultraviolet light.

Good luck, Kevin.
WORK HAS ENORMOUS POTENTIAL IN RESEARCH

By: DR WAYNE McKENNA

When Professor John Burrows put all of Jane Austen's novels on a computer (and a few other novels too) he created a surprise and offended a few sensibilities; when he explained why he was doing this he created an even greater surprise: for he proposed to base his study of Jane Austen's characters on their use of the very common words in our language (i.e., 'the', 'and', 'of', 'her', and so on). Some professionals in his discipline perceived only very slowly the value of this work, so that Professor Burrows required not just great skill but much determination and courage to push on with his project, the first fruits of which appear in his recent book, Computation into Criticism: A Study of Jane Austen's Novels and an Experiment in Method (Oxford University Press, 1987).

The first review of that book, by Marilyn Butler, Professor of English at Cambridge University, now suggests that Professor Burrows has added substantially to the methodology and theoretical understanding of our discipline and that those who 'put our money into this project' seem 'triumphantly vindicated'.

The diversity of the specialisms Burrows had to reconcile is graphically stated in his title and subtitle — as sine a balancing act as one of Pope's couplets. First and last, emphatic and aggressive, the pincers of 'computation' and 'experiment in method'; in the middle, defensive or safely entrenched, 'criticism' and the reassuringly particular promise to study Jane Austen's novels. Burrows, an exact writer, means just what he promises — one book that speaks two languages. As far as an amateur can tell, his book succeeds as a model exercise in computing and in statistics. It is certainly a model account of such an exercise. Literary readers are shown, with exemplary lucidity, how statistics can inform issues of style, and transform our understanding of the representation of character. Surprisingly general conclusions are arrived at by marshalling minute particulars. From among the tables and graphs there emerges the most accomplished 'close reading' to date of Jane Austen's dialogue, and the most stylish book written on Austen since Mary Lascell's Jane Austen and her Art in 1939.

The fact that Burrows writes like Austen herself is splendid ... If his book had failed, it would have looked eccentric or marginal, but since it is in general extremely persuasive, it derives further strength from its autonomy. Among its other ways of being exemplary, it demonstrates how to execute a research project in the humanities so that fellow professionals anywhere will take account of it.

One of Professor Burrows's own abbreviated descriptions of the essence of his methodology will clarify it for those as yet unfamiliar with it:

'The statistical analysis of literary texts has sometimes been addressed to the presence or absence of rare words, sometimes to the comparative incidence of very common ones. Although my method is of the second kind, it differs from others in that, instead of focussing on a few chosen word-types, it deals in correlations of the frequency profiles formed by many common word-types, arranged in the descending order of their frequency in a given text or a whole set of texts. The texts themselves, that is to say, are allowed to dictate which word-types should be studied. Since so few as thirty word-types make up about two-fifths of all the word-tokens most writers employ, so few as fifty almost half, their contribution to the size of any text suggests that they may also contribute to its shape.

With the aid of this innovative methodology, Professor Burrows has taken the analysis of dialogue into areas never previously considered in anything like the richness and sophistication that distinguish his book. It is the most advanced research of its kind being done anywhere in the world. No critic has ever shown in this detail how an author can discriminate between the idiolects of characters and even produce finely modulated changes in an individual idiolect. In doing this, he establishes the individuality of Jane Austen's characters; beyond that, he shows too how the dialogue of Jane Austen's characters differs from that of other novelists such as E.M. Forster, Henry James, and Virginia Woolf. But this is no mechanical exercise. As Professor Butler points out, Professor Burrows 'generates his own evidence, and single-mindedly addresses it' and it is when he addresses it, when he shows what can be done when judgement is brought to bear upon his evidence that the vast potential of his discovery dawns.

Since completion of his book, Professor Burrows has also analysed and published his findings on 'pure narrative' and 'character narrative', and has built up an increasingly large database of letters written during the last four centuries. The early graph resulting from this work shows some remarkable patterns and take Professor Burrows further towards constructing a view of the relative significance of the various determinants of style. In this important area, a lively theoretical debate should ensue; whatever the shape of that debate, and however critical of the Marxist, Barthesian, or Derridean perspective will want to resist the challenge that Professor Burrows throws out to them, no-one can deny that he has created and, as his research advances, is still creating, a new area of inquiry. In a discipline such as English literature such an achievement is rare.

The ability to discriminate between styles in all the detail and with all the critical intelligence which Professor Burrows can apply clearly has potential for disciplines other than that of English literature,
and more researchers will no doubt apply his methodology in their own discipline. One obvious consequence of Professor Burrows's research is the opportunity it offers for testing out hypotheses in cases of doubtful or disputed authorship. And this Professor Burrows has recently done. Prompted by a question from Professor A.J. Hassall (now of James Cook University, and formerly at Newcastle) Professor Burrows has applied his methodology to an eighteenth-century novel, The History of Ophelia, a novel whose title-page bears the words 'Published by The Author of David Simple' — i.e. Sarah Fielding, sister of Henry Fielding. No-one has ever claimed that Sarah did not write this novel, which was published six years after Henry's death, but perceptive readers, exercising their judgement, have observed that some of the scenes in The History of Ophelia seemed 'worthy of Henry himself' and that the novel contains 'language, action, and characters absent on the whole from her other works.' In other words, readers have recognised that The History of Ophelia wasn't quite like Sarah's other novels. And now we know why: more than half of the novel was written by Henry himself! Professor Burrows's methodology enables him to specify which parts of the book were written by Sarah and which by Henry.

**Berthold directs next Drama production**

Cloud Nine, Caryl Churchill's incisive comedy about sexual stereotyping, commences a season in the Drama Theatre from 16 to 26, September directed by David Berthold.

After an acclaimed run at London's Royal Court Theatre, Cloud Nine transferred to Broadway, where it enjoyed one of the longest seasons in 1981-82.

Caryl Churchill opens her play in a surrealistic parody of a British Colony in the Africa of the late-Victorian era. In this heightened setting, a link between colonial and sexual repression is established.

Cloud Nine jolts audience pre-conception of 'appropriate' casting, and demolishes expectations of socially and historically 'correct' behaviour.

Stock figures — such as the long-suffering 'little woman' wife, the 'macho' hunter-explorer, the 'manly' little son, the 'noble-savage servant, all undergo drastic reversals through Caryl Churchill's reformist version of role-playing.

In the play's second half (that jumps to London in the 1980's), Churchill questions the 'liberation' that the so-called Sexual Revolution claimed as its victory.

David Berthold has chosen a strong cast for this first Newcastle season of Cloud Nine. Tana Barfield, Mark O'Neill, Grant White, Rob Dilley, Larissa Trompf, Richard Cherry and Narelle Feeney all play several roles that should surprise and entertain audiences.

Cloud Nine, controversial and often extremely funny, examines issues that remain of vital concern.

**Visitors in E & C Engineering**

**Received prize from IFAC**

PROFESSOR GRAHAM GOODWIN, of the Department of Electrical and Computer Engineering, has won a prestigious prize awarded by the International Federation of Automatic Control.

Adaptive Filtering, Prediction and Control, a textbook, was selected for the prize at the IFAC's 10th World Congress in Munich. The co-authors, Professor Goodwin and Dr K.S. Sin, received $750 each.

The textbook was judged among all the books published in the field in the past three years.

The Department of Electrical and Computer Engineering is playing host to two overseas experts in the communication and control field, while doing research in the Department, Dr Arthur Harvey, from Minneapolis, Wisconsin, in the US (left) and Dr Thomas Smed, from the University of Uppsala, in Sweden, will collaborate with Professor Graham Goodwin and academic members of his group. Dr Harvey, Principal Staff Scientist for the Honeywell System Research Centre, is accompanied by his wife, Margaret (centre), a teacher in language art in an open school in Minneapolis. Dr Smed expects his fiance, Maria, to join him in Newcastle shortly.
X-ray unit's work extended to community

On 26 August, Philips handed over a new x-ray fluorescence unit which cost the University more than $200,000.

The handing over opens the way for the University to offer a specialty analytical service to private companies and laboratories.

The Vice-Chancellor, who turned the key on the machine and analysed the first specimen, said the unit was a facility the University would make very good use of. The partnership with Philips had worked very well.

The new unit is an addition to the diffraction units which analyse and identify crystalline substances in the University's X-ray Unit, located in the old Metallurgy Building.

It is automated and can accurately and rapidly quantitatively analyse major, minor and trace elements of alloys, solids, slags, minerals, rocks, residues, slags and ash for elements above atomic weight sixteen. The equipment will be upgraded to analyse liquids.

Professor Ian Plimer, Chairman of the X-ray Committee, said the occasion was the culmination of five years of waiting for a major analytical facility.

He said it was hoped the University could provide a service for companies and industries requiring analyses of materials and not able to buy the units themselves.

'As it is a University facility, the machine is available to every department on the campus,' he said.

Discussions had been held with a major assaying company about the possibility of the X-ray Unit providing analyses.

Mr Jim Jackman, representing Philips, handed the key to Professor Morgan.

Dr D.D. Todd is the Officer-in-Charge of the X-ray Unit.

Our photograph shows the new unit and (from left) Mr Ian Wanders and Mr Jackman (both from Philips), Professor Plimer, Professor Morgan and Dr Todd (seated).

Free Apple Macintosh sessions

Members of the University interested in the latest Apple Macintosh releases may attend a series of free seminars and displays at the University.

Organised by Computer Cellar Pty. Ltd., of Mayfield, the seminars will be held in Lecture Theatre B01 and the displays in the Mathematics Building in Rooms V103, 104 and 105 on 3 and 4 September.

The topics and lectures are: Networking and Communications by D. Mahoney; Desk Top Publishing by C. Ivanof; Computer-Aided Drafting by R. Wyle; New Hypercard Software by P. Cookson and Mac II, Apple Unix and Multifinder by J. Paull.

Items in the display will include Microsoft software, twenty inch colour monitors for Mac II's, advanced relational database packages and a wide range of books.

People who intend to go to the seminars can book by telephoning 67 5700.

Japanese Tea Ceremony classes are held in the new Tea Ceremony Room (C49) on Thursdays at 1 pm until 3 pm for $1 (come for one hour or for two). Everyone is most welcome to attend.
Australian studies project Report

Windows onto worlds — studying Australia at tertiary level, a report just released by the Australian Bicentennial Authority (ABA), makes more than thirty recommendations for the development of Australian studies in universities and other tertiary education institutions.

The report was prepared by a committee appointed by the then Minister for Education, Senator Susan Ryan, comprising full-time chairperson, Dr V.K. Daniels, Senior Lecturer in History at the University of Tasmania; part-time members, Associate Professor Bruce Bennett of the Department of English at the University of Western Australia and Mr Humphrey McQueen, writer and critic.

In Windows onto worlds — studying Australia at tertiary level, the investigators say that developing an Australian tertiary curriculum depends on tertiary institutions and educational authorities taking up the matters raised in the report and ensuring that staffing policies, research and teaching programmes are developed which are grounded in Australian experience and which are appropriate to Australia’s needs. Central to this is the proposal to establish a Centre for Research and Development in Australian studies.

The committee says that the development of appropriate, Australian syllabi and teaching materials will occur only if encouragement is given within tertiary institutions to activities which further those goals. This will entail changes in current promotion and appointment procedures so that the meaning of ‘the best applicant’ is clarified and due weight is given to a candidate’s ability to teach and research in Australia.

‘Concern with the standing of Australian studies in tertiary institutions has led the committee to suggest that chairs in areas such as literature and music be specially designated as ‘Australian Literature’ and ‘Australian Music’, and that a position in Australian Screen Studies be established,’ they say.

The committee argues that the provision of adequate resources is fundamental to the process of creating an Australian tertiary curriculum. In many areas resources and information are inadequate. Tertiary teachers often rely on inappropriate, imported resources.

Dr Daniels, Professor Bennett and Mr McQueen make recommendations emphasising the need to support bibliographies and indexes in Australian studies generally and in science and the need to assist textual editing. They also deal with the production of scholarly Australian books and periodicals and propose methods of making Australian audio-visual material more readily available to students.

‘Historic sites, artefacts, and the material held in museums and archives are also resources for Australian studies,’ they point out. ‘Many students with qualifications in Australian studies find employment in the cultural, resource management area, in heritage and in cultural tourism.’

The terms of reference also directed the committee to look at Australian studies outside Australia. Recommendations propose a body to co-ordinate Australia’s cultural and educational activities overseas and deal with the provision of resources for studying Australia overseas.

In the course of its Review, the Committee reported every six months to the Minister for Education and to the Australian Bicentennial Authority. The Authority approved budgets for funding for the review.

The committee says that chairs in areas such as literature and music are likely to see virtually all of the available funds distributed in response to competitive grant applications.

It is expected that the new guidelines will be submitted to the September meeting of Senate.

1987 Uni Revue — and after

SKIPPY FRIES IN HELL — and other celebrity toasts was the latest successful revue staged in the University Union from 1 to 7 August.

The fast-paced, all-original comedy and musical parody show played to more than 400 people in its short run.

Subjects for roasting ranged from Ollie North and Joh B.-Peterson to Ita Buttrose on AIDS-infected garden gnomes and an in-depth view of conception.

In case you missed the show at the Uni, the Revue Co. has moved to a permanent town venue at The Last Resort, above Newcastle RSL. There the company has established a comedy venue playing on Friday and Saturday nights.

New shows are being written and will be changed each month. Currently, the Revue Skippy Fries in Hell plays until 5 September and a new show opens at The Last Resort on 11 September. Four shows are planned between now and Christmas.

All members of the company are students and, as such, are fully aware of the financial state of the majority of students. Therefore, ticket prices are kept at an extremely reasonable $6 and $4 (impoverished). Shows begin at 7.45 pm; there is a bar (at reasonable prices) and a guaranteed good night out.
Student Housing — pensioners' concerns clarified

PENSIONERS are able to accept University and CAE students as boarders without their pensions and fringe benefits being greatly affected, Mr Allan Morris, Federal Member for Newcastle, said.

Mr Morris said pensioners' income from boarders fell into three categories, with only a percentage of the rental charged considered as income by the Department of Social Security, viz:

An example of this would be a charge of $70 for full board. The amount considered as income would be $14. Because a single pensioner is allowed to earn $40 per week and a pensioner couple $70 per week, neither the pension nor the fringe benefits would be affected.

Where bed and breakfast is supplied, the amount considered income is fifty per cent.

When room and use of facilities is provided, the amount considered income is seventy per cent.

If the pensioner is renting a home and takes in a boarder, the amount of rent paid is also taken into consideration before any assessment of income is made.

Mr Morris said accommodation for students became a major concern for the University and the CAE at the commencement of every academic year. More than 4,000 students from the University and CAE had been looking for accommodation at the beginning of the current academic year (last February) and a number of the students had been seeking accommodation in private homes.

At least as many as that will be seeking accommodation for the next academic year beginning February, 1988, and this will be when pensioners will be again asked to help to meet the expected demand.

Taxation may apply if the pensioner considers that the board received more than covers the expenses incurred in supplying the accommodation. Even so total amount that pensioners are able to earn in 1987-1988 without paying tax, including the pension, is $6,100.

The Department of Social Security is sympathetic towards any pensioner who offers board and lodging to a student,' Mr Morris said.

<table>
<thead>
<tr>
<th>Approx. Rent</th>
<th>Assessed as Income</th>
<th>Amount considered additional income</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Board — room with meals provided.</td>
<td>$70 p.w.</td>
<td>20 per cent</td>
</tr>
<tr>
<td>Room with use of facilities — tenant provides and cooks own meals.</td>
<td>$40 p.w.</td>
<td>70 per cent</td>
</tr>
<tr>
<td>Bed and Breakfast —</td>
<td>$50 p.w.</td>
<td>50 per cent</td>
</tr>
</tbody>
</table>

FOR SALE — Superseded Stock

The Minister for Energy, Technology and Commerce, Senator J. Button, has been reported as being concerned at the slow progress of development of Australia's advanced technology industries.

By contrast, the Department of Electrical and Computer Engineering has been affected by the rapid advance of technology. The Department is being forced to find space for new equipment and hopes that a sale of superseded and obsolete items of electrical and electronic test and measuring equipment will solve its problems.

The sale will be held in Building EE in the Engineering Complex on 4 September from 10 am to 7 pm and 5 September from 9 am to 2 pm. Members of the University, as well as Newcastle citizens, will be able to purchase the equipment.

Mr Ron Goodhew explained that items offered for sale (Oscilloscopes, Oscillators, Servo equipment, logic trainers, galvanometers and electrical measurement equipment, tape recorders, digital and analogue computers, terminals, monitors and printers, plus many other items of interest to the discerning home enthusiast) mostly contained valve circuits which had been replaced by transistors.

Although the devices had become obsolete as far as university teaching was concerned, electronics hobbyists would find them useful and, moreover, the workmanship of the older items, such as the instruments made by H. Tinsley and Co., of London, was excellent.

The items will be ticketed to inform prospective buyers of the prices.
Weather poor for 'scampering'; more walkers.

The 1987 Campus Scamper over five kilometres for the Commonwealth Bank Trophy was run on 12 August in rather poor weather conditions.

The shorter walking course attracted more entrants than in previous years and, apparently, 'a good time was had by all'.

Many thanks to all who competed on this occasion. The full results and times:

Arthur Kingsland, Ben Gray and Craig Hansford — winners of the men's team.

Debbie Jeans, Bronwyn Youman and Maria Brann — winners of the females' team.

First Female — Bronwyn Youman. First Male — Arthur Kingsland and First Male (over 40) — Bob Kimberley.

Draw winners, five kilometre course — (a) Debbie jeans and (b) Peter Tate and walking course — Ruth Fay.

Finishers: A. Kingsland (17.49.99) 1; B. Gray (18.00) 2; M. Potter (18.44). 3; C. Hansford (19.15) 4; G. McKay (19.36) 5; R. Palmer (20.00) 6; B. Kimberley (20.07) 7; W. Kmet (20.59) 8; L. Gersbach (21.16) 9; S. Fityus (21.52) 10; R. Parbery (21.59) 11; C. Whitehead (22.32) 12; J. Clulow (22.49) 13; A. Iakim (23.04) 14; D. McDonald (23.06) 15; R. Youman (23.32) 16; J. Gallacher (23.51) 17; J. Biggs (23.40) 18; D. Mehlan (23.51) 19; J. Patrick (24.04) 20; J. Cook (24.18) 21; R. Cave (24.30) 22; B. Conroy (24.34) 23; D. Finlay (24.38) 24; P. Shoebridge (24.40) 25; A. Roche (25.35) 26; C. Egan (25.38) 27; P. Tate (26.01) 28; R. Tuller (27.44) 29; S. Bourke (28.30) 30; P. Walsh (28.33) 31; L. Johnson (28.59) 32; L. Bayham (29.06) 33; M. Hunter (30.01) 34; D. Jeans (30.56) 35; M. Brann (31.59) 36; T. Roberts (31.59) 37.

Walkers: M. Reid (25.05) 1; K. Nilsen (20.05) 2; R. Ray (20.05) 3; H. Putnis (20.05) 4; J. O'Donohue (20.05) 5; R. McWhinney (20.05) 6; L. Brent (21.45) 7; K. Sanders (21.45) 8; A. Peterson (21.45) 9; M. Clarke (22.27) 10; D. Snushall - full course (45.00) 11; and B. Line (45.00) 12.

GOLF NEWS

The Students' annual golf competition for the Vice-Chancellor's Trophy was played over the Steelworks Club's Links on 7 August.

Early morning weather conditions were atrocious, but improved as the match progressed.

The students' performance was not assisted by the weather change and staff ran out worthy winners 143-124. Congratulations staff.

A driving cage has been constructed in close proximity to the University's Tennis Complex. It is available for the general use of the campus golfing community. Booking arrangements may be made by telephoning the duty squash pavilion attendant at 68 1159.

No UN stars on ABC TV

THE UNIVERSITY has missed out on having a student team in the ABC's University Challenge, the new television quiz show which begins on 1 September at 9.30 pm.

Sixteen of Australia's twenty universities will have student teams competing in University Challenge, which is being pre-recorded at the University of Tasmania in Hobart. The show will be televised nationally and run for twenty-three weeks.

Teams from the University of Western Australia, the Australian National University, the University of Tasmania, and from Sydney, Murdoch, New South Wales, Melbourne, and Monash Universities will compete in the first week, and from James Cook, Wollongong, Deakin, Flinders, Adelaide, New England, Queensland and Macquarie Universities in the second.

A 'draw' system will be used, and each team of students will play two games, with play-offs between the top two teams in each group and between the winners of those in the final.

ABC Research Officer in Hobart, Mr Keith Halliwell, said a similar programme had been running in Britain for twenty-five years and in New Zealand for ten years. If the Australian programme was as successful, it was hoped to mount a three-way international challenge.

He said Newcastle University had not received a guernsey and neither had La Trobe and Griffith Universities.

The reason was a suitable number of teams for a competition like University Challenge was sixteen, not nineteen — the overall tally of universities at the time the show was being planned.

Using just the universities in the heavily-populated states, the ABC conducted a draw to reduce the field to sixteen.

The News notes an interesting coincidence — each of the eliminated universities is a smaller institution in a different state.

 Academics offer to talk at schools

A new book published by the University seems certain to pay dividends for high school students in the Hunter Region.

The book lists academics who are willing to give lectures and demonstrations at the schools in science and technology.

It is the outcome of a discussion between members of the Faculty of Science and the Head Teachers of Science at schools. The groups are interested in providing students with 'a window' on the activities and achievements of science.

According to Dr Geoff Lawrence, of the Department of Chemistry, who compiled the list, the contents of academics' presentations will, in most cases, be based on the personal research, or professional interests, of academic staff. 'The presentations are not intended to be simply university, or departmental, promotion visits, but will concentrate on aspects of science,' he said.

In the foreward to Science and Technology Lectures for High Schools he informs the Head Science Teachers that they may expect interesting well-illustrated efforts, some with tied demonstrations. In most cases the presentations and discussions will occupy two school periods at the most and, particularly for Year 12 classes, visits may be oriented to Higher School Certificate material.

The list embodies more than thirty staff members from the Faculties of Science, Engineering and Mathematics, Statistics and Computer Science.

University contacts are Dr Lawrence (685 450), Dr John O'Connor (685 388) and Mr Frank Hawkins (685 341).
New IDP officer for the University

The University's new IDP Academic Liaison Officer is Professor Roger Eggleton, Associate Professor in Mathematics. He succeeds Mr Ted Flowers, the Librarian.

According to the Vice-Chancellor, Professor Keith Morgan, who appointed Professor Eggleton, the University is looking to increase its involvement with overseas institutions and liaison with IDP will be of high importance.

Professor Eggleton said that the IDP (International Development Programme of Australian Universities and Colleges) had the objective of fostering academic staff development at institutions in South-East Asia and the South Pacific.

Secondment of Australians, assignments for Australians, study visits for overseas academics and joint research projects were parts of the IDP programme, he said, which was funded by the Federal Government.

"My role is to inform staff of Newcastle University about the various programmes which the IDP sponsors and seek out those interested in participating."

Professor Eggleton visited the Philippines in 1985 on an IDP assignment, which involved teaching graduate courses and supervising PhD students.

When the News went to press he was in Canberra at a mathematics conference. He has plans for a visit to the IDP office to discuss new developments in the programme.

He has organised the donation, and distribution, of complete sets of journals of the Australian Mathematics Society to universities in the IDP's area and outside the area, through the Australian Centre for Publications Acquired for Development (ACPAD).

Our photographs shows Professor Eggleton with Dr Jose Bernaldez, from the Philippines, whose visit to this University was hosted by the new IDP-ALO.

Touch-typing mini courses

According to the Staff Office, members of staff who have not been trained in typing skills are increasingly using keyboards for data input, typing, programming etc.

The Staff Office has arranged mini courses to assist them. The courses are available to those (academic and general) staff who currently use keyboards, or are likely to do in the near future. Places are limited in each course, but more will be arranged if the demand warrants it.

The details are:

**First Course** —
Wednesday, 16 September, 2 to 4 pm and Thursday, 17 September, 2 to 4 pm.

**Second Course** —
Wednesday, 23 September, 2 to 4 pm and Thursday, 24 September, 2 to 4 pm.

**Third Course** —
Wednesday, 30 September, 2 to 4 pm and Thursday, 1 October, 2 to 4 pm.

The courses will be held in Room AG246, Computing Centre, McMullin Building.

Please contact the Staff Office on Extensions 518 or 375, or Margaret Davie in the Computing Centre on Extension 305 for bookings or if you would like to attend a future course.

Selecting Medical Students

MEDICINE AS A CAREER continues to attract far more aspirants than there are vacancies. In the Australian universities there are often more than twenty applicants for each available place in the medical course; at Newcastle generally more than 1,200 applicants each year compete for sixty-four places in the BMed course.

The problem remains: how to select the sixty-four best suited to the professional goals and purposes of Medicine.

It is acknowledged that a good doctor requires more than just academic credentials: a good doctor displays a range of personal qualities, attitudes and skills, supported by an academic grounding in the science of medicine.

The question is 'should a medical selection process seek these qualities.

The Faculty of Medicine believes that it should and, for the last nine years, has run an Admissions programme on this basis in Australia. A considerable body of data has been collected over a period of time from more than 10,000 applicants, 600 enrolled students and, now, 250 graduates. The Chairman of the Faculty of Medicine Admissions Committee, Dr David Powis, judged that the time was right to host a workshop on Selection to cater for the interest shown in these procedures and their predictive power.

Invitations to participate were sent to the Deans of each of the nine Australian and the two New Zealand medical schools, as well as other interested groups such as the Federal, Medical Inquiry and the Australian Medical Students' Association. The result is that on 3 and 4 September twenty-five delegates will meet together in Newcastle to discuss the issues of Selection of Medical Students with a view to preparing a set of recommendations for a national policy on Medical Admission.
Lake Research projects sought by Council

STAFF MEMBERS interested in carrying out research into environmental problems facing Lake Macquarie may apply for funding from Lake Macquarie City Council.

Applications should reach the Council by 30 September. Dr R. Kidd, the Council's Environment Officer, (telephone 58 5333) will answer enquiries.

Professor W. Pickering (Extension 426) and Dr J. Chambers (Extension 418) can supply information about funding.

The City Council has allocated $20,000 to fund research into environmental problems confronting the lake and its catchment.

The Council has said that problems arising from accelerated sedimentation and increasing nutrient levels are of greatest concern and, while applications for projects related to them are especially welcome, other relevant environmental projects are also acceptable.

The Council's Research Committee has determined that the highest priority problems relate to diffuse, as opposed to point, sources of pollution. The former has received only limited study in Lake Macquarie and there is considerable scope for investigating its sources, nature and effects on the Lake, especially its impact upon the shallow, peripheral bays. The bays are probably more susceptible to degradation and some in the northern part of the Lake are already presenting management difficulties for Council.

More specifically, studies are needed, the committee say, which identify and quantify diffuse runoff sources of sediment, nutrients and other pollutant loadings. Pertinent aspects include investigation of the sorts of pollutants involved, the rates at which they are delivered to the Lake, what happens to them after they reach the Lake and the effects they have on, for example, water chemistry, sediment composition and chemistry, lake ecology, seagrass changes, algal floristics.

Staff Moves

APPOINTMENTS

Dr Carlos E. De Souza, Lecturer, Department of Electrical and Computer Engineering.

Dr Howard N. Higginbotham, Fellow, Faculty of Medicine.

Ms Allyson P. Holbrook, Lecturer, Faculty of Education.

Miss Roslyn J. Holzberger, Word Processor Operator, Faculty of Medicine.

Mrs Robyn H. MacKenzie, Administrative Assistant, Secretary's Division.

Mr Roger J. Reece, Laboratory Assistant, Department of Mechanical Engineering.

Miss Anne L. Taylor, Library Technician, Auchmuty Library.

Professor Alan D. Ward, Professor, Department of History.

RESIGNATIONS

Mr John C. Coren, Professional Officer, Department of Civil Engineering and Surveying.

Mr Peter K. Fox, Senior Technical Officer, Department of Chemistry.

RETIREMENT

Mrs Roberta J. Knighton, Small Offset Printer, Faculty of Engineering.

Drama Department presents

Garyl Churchill's

CLOUD NINE

(A savage comedy about sexual identity)

Directed by

David Berthold

in

The Drama Theatre

on

16, 19, 22 and 26 September.

Bookings: 68 5705
Diary of Events

Monday, 7 September, Noon

4pm
Lecture by Dr Geoffrey Baker, Reader in the School of Architecture and Interior Design at Brighton Polytechnic, UK, to remember the centenary of the birth of the famous architect, Le Corbusier, in H01 (Basden Theatre).

Tuesday, 8 September 1 pm
Free entertainment in the Southern Cross Lounge featuring Bouffler Ensemble (Chamber music ensemble).

7pm
Free entertainment in the Bar featuring Tall Tale and True (return concern by the successful Sydney inner-city band).

Wednesday, 9 September, Noon
German feature films with English subtitles in Room A 132 McMullin Building entitled Wohin und zurück, Pt. 1 (An uns glaubt Gott nicht mehr).

4pm
Department of Education seminar by L. Webster on Developments in Interactive Video in Room W202, Faculty of Education.

Thursday, 10 September, Noon to 2 pm
Movie: Top Gun in the Common Room. Donation: 50 cents.

Friday, 11 September 1 pm
Film Buffs Club feature Dream of a Rarebit Fiend, Dream Doll and D.O.A. in the Common Room. Admission: free.

Monday, 14 September, Noon
Department of Geology seminar in Room CG04 by Michael Roach on Geology of the Wakefield-Brunkerville Area.

Tuesday, 15 September, 12.50 pm
Free Lunchtime concert in the Courtyard featuring Blues by Five (local modern jazz group).

7pm
Free Entertainment in the Bar featuring Rabbit's Wedding.

Wednesday, 16 September, 1 pm
Free entertainment in the Courtyard featuring Theatre Sports (showing one of the Uni's top teams in action).

Noon
Department of Geology seminar in Room CG04 by Steven Morton on the Geology of the Eleebana area, NSW, and associated geotechnical problems.

4pm
Department of Education seminar by K. Prudence on An Information Processing Approach to Basic Number Combinations, Room W202, Faculty of Education.

Thursday, 17 September, Noon to 2 pm
Movie: Crimes of the Heart in the Common Room. Donation: 50 cents.

Friday, 18 September, 1 pm
Film Buffs Club present The Fly and Hakariri in the Common Room. Admission: free.

Wednesday, 23 September, 5.30 pm
Inaugural Lecture by Professor William Walters, Professor of Reproductive Medicine, entitled, Human Rights, Medical Research and Human Reproduction. Venue: Medical Sciences Lecture Theatre.

Friday, 25 September 8 pm
The annual general meeting of Convocation. Guest speaker: Dr Peter Hendey, Member of Council and a Fellow of the Royal College of Pathologists, topic: Whither Medicine. Venue: Staff House.

Advertisements

Position Wanted — Typing
The following persons would like to type theses, reports, occasional papers etc. Mrs C. Crockett at 43 9729 and Cheryl Knights at 48 6573 (who has a micro-computer).

For Sale
Yamaha Grand Piano G1 (ebony), seven years old. Please telephone Anne at Extension 526.

1973 Yellowish Bamboo Toyota Corolla 1200 c.c. (GLS901) with twelve months registration. This car runs well and has a radio and some extras (economy car for student), $1,750 or near offer. Apply 96 Clifton Street, Islington any time after 5 pm.

Brother CE 30 Electronic typewriter in showroom condition (this little beauty even smells new!). Features: automatic correction, liftoff, manual and spare ribbons. All inclusive price $330. Please telephone Extension 666 or 33 7368 (home).

Yamaha 100 c.c. motor bike in excellent condition with ten months registration (only 16,700 km), $435 or near offer. Please telephone Ext. 744 or 48 7129 (home).

For Sale by Tender
Ten DEC LA36 printing terminals, Case CX80 colour printer, one DEC WPS-PLUS word processing software package and three, twenty-seven drawer punch card cabinets.
A schedule of items may be obtained from Mr P. Myors, Purchasing Officer, Room 158, McMullin Building, Shortland (telephone 68 5372). Tenders should be forwarded in a sealed envelope marked 'Tender for Surplus Equipment', addressed to Purchasing Officer, University of Newcastle, NSW, 2308.

Twelve foot Trimcraft aluminium boat, with 6 hp Johnson Outboard motor, and Brooker Trailer, winch and tie-downs in excellent condition.
Please contact Mr Richard Ma, at 68 5739 for further information.
Tenders should be forwarded in a sealed envelope marked 'Tender for Boat', addressed to the Purchasing Officer, University of Newcastle, NSW, 2308.
The closing date for all tenders is 11.30 am 11 September.
The University reserves the right to reject any or all tenders.

Found
Gold bracelet in the Green Room on Thursday, 13 August, after the lunchtime performance of The Human Voice. The owner can contact Julie Hare at 62 2539.