



## BULLETIN

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### We get Three Students from New York State

Pictured are some members of the group of students involved in the first Newcastle-Buffalo educational exchange program.

Under the program three students of the State University of New York (SUNY) at Buffalo in the United States have transferred to this University and four students of the University of Newcastle will swap places at SUNY with them.

The Newcastle University students are Ms Jacinta Gately (BA), Mr Chris Collingwood (BA Psych), Ms Tamara Keniry (BCom) and Mr Stephen Toews (BCom).

While Messrs Collingwood and Toews and Ms Keniry will study at the State University of New York at Buffalo for one semester, Ms Gately will be attached to the university for two semesters.

Ms Julia Arthur, of Cortland College of the State University of New York, Ms Robin Bell, of New Paltz College, and Ms Brenda Hudson, of

Binghamton University, will be here for one semester. The units they will study include psychology, geography, sociology, history, education, photography and video.

The American and Australian students will receive standing in their undergraduate degrees if they pass their courses.

Ms Arthur, Ms Bell and Ms Hudson, who have obtained live-in accommodation in colleges on the campus, said they expected to enjoy the next semester. They said they had always wanted to visit Australia. After looking into study opportunities, they had selected this University rather than the University of Adelaide.

The Newcastle-Buffalo exchange program will be a continuing program. The scheme was arranged by the Pro-Vice-Chancellor (Development), Dr Les Eastcott, and the Director of International Education at the State University of New York, Dr Emil Hoch.



Some of the students taking part in the Newcastle-Buffalo exchange: (Left to right, back), Ms Robin Bell, Ms Jacinta Gately, Mr Stephen Toews and Mr Chris Collingwood, and, at front, Ms Brenda Hudson and Ms Julia Arthur.

### Train on Track

The Minister for Transport, Mr Bruce Baird, will give serious consideration to establishing a railway station at the University.

Mr Baird inspected a proposed site for a station, north of the Auchmuty Sports Centre, on July 17 with the Vice-Chancellor and the State MP for Maitland, Mr Peter Blackmore.

He also received submissions in support of a rail service from Mr Mark Jackson, the student transport officer, and outlining the nexus between transport and housing, from Mr Bruce Gorrington, of the student accommodation group.

Mr Baird, who came to the University with officials of Blue Ribbon Coaches to see their new direct bus service from Maitland, raised no questions about the location of the station, but was concerned about financing and

patronage.

He said he could see no reason for not having a station, as long as the Commonwealth Government was prepared to meet the capital cost. (See story page 16)

On the question of patronage, Mr Baird asked whether any studies had been done to identify the level of demand from students and staff.

Professor Morgan referred him to a 1988 study, which indicated strong support for the idea.

The Minister then asked whether there might not be too many passengers for the existing trains. Mr Blackmore suggested to him that the route could use the new Explorer train, a country upgrade of the city-based Tangara.

Mr Baird concluded that the



Pictured during discussions on transport problems are from (left to right), the Vice Chancellor, Professor Morgan, the Member for Maitland, Mr Peter Blackmore, the General Manager of Blue Ribbon Coaches, Mr Amos Mordue and the NSW Minister for Transport, Mr Bruce Baird.

future of the University station - which would be the first rail station to be built in the region in more than 50 years - depended, first, on Commonwealth funding and secondly on an evaluation of services which he proposed to have carried out over the next six weeks.

#### In This Issue

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*Erratum*

Please note that the photographs of Professor David Hill and Mr Trevor Waring on pages 2 and 3 have been accidentally transposed.

The printer, Newcastle Camera Print, apologises for this error.

# Edwards Hall Chair



Mr Trevor Waring

Mr Trevor Waring, a Convocation member of the Council, is the new Chairman of the Board of Trustees of Edwards Hall. Mr Waring was given the

job of leading the Board after a fellow member of the Council, Dr Alec Forsythe, stepped down from the chairmanship.

Dr Forsythe, who has stayed on as a Trustee, has had extensive experience on the Board, having been a member since the establishment of Edwards Hall in 1973 and Foundation Chairman.

Mr Waring is Principal Clinical Psychologist with the Hunter Area Health Service and Manager of Allied Health Professional Services with the Division of Mental Health Services.

In addition to holding a

Clinical Senior Lectureship in Medicine, he is a member of the Board of Studies in Psychology, teaching postgraduate clinical students.



Dr Alec Forsythe

The winner of Convocation's Newton-John Award in 1982, Mr Waring is well-known for his segments on TV and radio dealing with mental health. He is involved in a wide range of community service and charitable agencies.

Trevor Waring holds BA and MSc degrees in this University and gained these awards by part-time study. That being the case he is particularly interested in the struggles of part-time students, as well as students who come from outside Newcastle.

## City - Student Housing Deal Possible

A public meeting on July 10 at Newcastle City Hall produced several positive suggestions for accommodating students in the inner city, including the possibility of low-cost refurbishment of old buildings.

The meeting was called jointly by the Vice-Chancellor and the Lord Mayor, Alderman John McNaughton after a working group of students produced a comprehensive analysis of the advantages to both the city and the student body from such a step.

Despite the fact that the meeting took place during the semester break, about 70 people attended.

The students' case, outlined by a student representative, Mr Bruce Gorrington and University Chaplain, Brother Damian Wilson, was that housing young people in the city could stimulate retailing - the slowest sector to recover from the 1989 earthquake - while bringing new life to the district and making optimum use of existing infrastructure.

Their proposal placed particular emphasis on the possible refurbishment of major buildings currently unused.

Member of Newcastle City Council, Alderman Don Geddes, while congratulating the students on their thorough report, pointed out that Newcastle had a very high proportion of three- and four-bedroomed houses occupied

by individuals.

What was needed most urgently, he suggested, was a major education campaign to make use of the "locked bedrooms".

The State MP for Newcastle, Mr Bryce Gaudry, said Alderman Geddes had a point, but more than one avenue should be explored. He suggested that more accommodation for aged people in the city might free up many houses for students.

His colleague from Wallsend, Mr John Mills, said the time was right for an application to the State Housing Department for help. It had made a profit in recent years, but its staff were frustrated because the profit was achieved by not actually building housing.

Ms Alison Kinder, the Students' Union President, said Newcastle required the stimulation of an inner city population. It had been in decline and was failing to hold its graduates, she said.

"We have an excellent University but we are exporting our knowledge," Ms Kinder said.

Ms Margaret Henry pointed that the bushland campus at Shortland was carrying as much accommodation as it could, while the Health Service had three vacant buildings around Royal Newcastle Hospital which could be converted to accom-

modation and preserved.

Ms Henry said the University had missed similar opportunities in the past, citing Wirraway Flats and the Ritz-Cariton building as examples.

The meeting's misgivings about the cost of refurbishing the hospital buildings while keeping subsequent rentals within the reach of students were partly allayed by Mr Phil Darby, of the building trades group of unions.

Mr Darby said Newcastle had builders in difficulty and apprentices out of work; a scheme like the Whitlam Government's RED scheme would employ them and enable refurbishment at a lower price than a developer would charge.

Mr Darby said the union movement would be prepared to discuss guidelines with relevant governments and the University.

He stressed that any agreement would apply to specific projects with low-cost accommodation as their end result. It would not be a pattern for development in Newcastle.

Ms Jean Eykamp, a student artist, told the meeting she had surveyed a number of shops in the city and contacted, through real estate agents, their owners with a view to finding studio space.

Most owners, especially

absentee ones, had no interest in developing or even letting space, she said. Negative gearing appeared to counter the City's proposals for "shop-top" housing.

The Lord Mayor told Ms Eykamp he would be interested in discussing her survey. He also said he had misgivings about refurbishing major buildings after listening to Mrs Kath Dacey, the University's Accommodation Officer.

Mrs Dacey told the meeting that students preferred individual accommodation, least after their first year. They also preferred to live in the Cooks Hill-Bar Bach area.

However, individual homes in that area had not been available for about two years at a price students could afford: most older homes available to rent were renovated.

The difficulties of the accommodation market were brought home to the meeting when the SRC President, Mr Matt Cantrill, said that, even as the meeting took place, he was facing eviction from his own rented home.

His Vice-President, Mr Michael Sutton, said government allowances were so low that many students could afford only rent and food; when there was a crisis, even food had to be sacrificed.

# Glasnost in the Power Field



Professor Hill

The university can look forward to having strong research links with Russia following Professor David Hill's two recent visits to the country.

Professor Hill, who took up the new Chair of Power Engineering early this year, visited the main power engineering institutes in Moscow and Leningrad.

Professor Hill was invited to lecture to research groups from the institutes and consider establishment of joint research projects. One project will be carried out with Professors at the Leningrad State University of Technology.

In an interview with the BULLETIN, he made mention of the visits by excellent Russian researchers that will follow in the next year.

The Centre for Industrial Control Science, which is part of the Department of Electrical and Computer Engineering, would host those visits. Professor Yakov Tsypkin, a full Member of the USSR Academy of Sciences, is expected to be the first.

Professor Hill, whose Chair is in large part supported by the NSW Electricity Commission, says his specific aims are to en-

hance power related courses and research in the Faculty of Engineering, mainly in the Department of Electrical and Computer Engineering. In addition, he envisages considerable collaboration taking place with the Advanced Technology Centre to be built by the Commission in the grounds of the University.

David Hill's main research interests are in power plant and system analysis, control and monitoring. This work had enabled him to forge strong links with his fellow researchers in the United States, Sweden and Belgium.

He says it was only a matter of time before he extended his contacts to the USSR, because Russia is a leading participant in the power engineering research field. Whilst he was carrying out work on his PhD and doing post-doctoral research on stability analysis, he found that

*"We often see grim-faced members of the Politbureau on TV. We could think that all Russians were like this."*

Russian scientists, including Gorev, Lure, Yalubovich in Leningrad and Venikov in Moscow, had laid the foundations for this subject.

"The Russians have a strong tradition in power engineering, emanating from Lenin's famous comment that 'Communism equals electrification plus soviets.'"

The country's power network was so large, with little spare generating capacity, aging equipment causing frequent failures and relatively primitive computers, that it needed a high level scientific effort in the area relying on mathematical techniques.

"Consequently," Professor Hills says, "the Russians are world leaders in several areas, such as UHV and the theory of power system analysis and control, which was the focus of my investigations."

The USSR could no longer support its vast scientific population and many scientists were eagerly looking for overseas contacts and jobs. Now the people had glasnost, all they needed were invitations to travel overseas.

As for Professor Hill's personal experiences in Russia, he says he found the people to be extremely warm and hospitable.

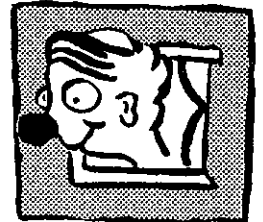
"We often see grim-faced members of the Politbureau on TV. We could think that all Russians were like this.

"Actually, if you get some Russians around a table of food and vodka and listen to their stories and jokes, you enjoy a wonderful experience," he says.

But their problems are immense and it was interesting seeing their resourcefulness and patience in the midst of the volatile political situation.

Professor Hill says Russia is an inspiring country from a cultural viewpoint. He spent some of his spare time at the Kirov Theatre and visiting the Hermitage and other museums, as well as churches and palaces. ◆◆◆

# Don't Forget Red Nose Day



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(Telephone 402146)  
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# TALKING POINT - Campus Landscape Future Directions

The campus is one of the University's most important assets. Its attractions and features are there for everyone to enjoy on a daily basis. If you are a full-time student it is quite likely that you spend more than half your waking hours (and possibly a few sleeping ones too) here on the campus surrounded by its bushland. Staff too, spend most of their day on the campus in what is a pleasant and distinctive environment in which to work or study. The University grounds provide us with quiet areas to escape the crowds, a place to eat lunch and facilities for sport and recreation. In short, the quality and future of the campus landscape is a matter that should be of interest and concern to everyone in the University.

The following article has been produced by the Landscape Committee in support of the campus. The Landscape Committee reports to the University's Physical Planning Committee and is comprised of Mr Lance Hennessy, Deputy Vice-Chancellor (Administration), Chair, Mr David Stafford (Faculty of Architecture), Mr Philip Pollard (University Architect), Mr Graham Gilchrist (Faculty of Art, Design & Communication), Mr Kevin McDonald (Board of Environmental Studies) and Mr Herb Presker (Grounds Supervisor). The paper expresses the Committee's views on the immediate problems facing the campus and possible directions for its future development. You, as a member of the University community, are invited to comment on the ideas presented here and to bring forward other suggestions for the continued improvement and protection of the University grounds. Comments should be sent in writing to Mr Geoff Barcan, Secretary to the Landscape Committee, C/- Secretariat Division.

## Overview

The University's campus has reached a critical stage in its history. Over the last few years our natural environment has begun to show signs of serious deterioration, mostly as a result of the pressure of growth. For the most part it has been a case of the landscape suffering under a series of minor but accumulating incidents rather than outright disasters. This is cold comfort, however, since in some respects gradual decline attracts less attention and can be more harmful in the long term. The lasting natural beauty of the campus can easily blind us to the mounting threats from litter, damage

to paths and trees and deviations from a consistent landscape theme.

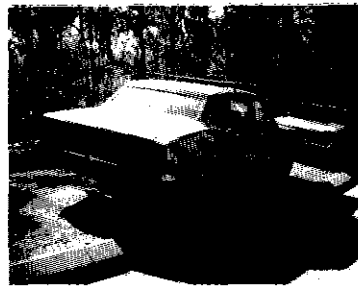
The capacity of the landscape to absorb these continued stresses is limited. In many senses we have reached an environmental crossroads from which it will be possible (with determination and commitment) to retrieve lost ground. Without this conviction the alternative path of gradual decline (and eventually irreversible damage) is our more likely destiny.

The Landscape Committee urges everyone in the University to take an interest in the quality of the campus grounds so that pride can be restored in our environment and the University can maintain and even enhance its reputation as one of the more attractive campuses in Australia.

If we are to achieve that goal the University must collectively overcome problems such as the shortage of parking spaces, increasing litter and an apparent decline in respect for the natural landscape.

## Parking Problems

A large factor in the decline in



*Cars parked illegally cause damage to the campus landscape.*

the landscape is the seemingly insatiable demand for carpark spaces. This demand is in many respects a predictable consequence of the University's growth. However, growth in numbers has been accompanied by indiscriminate parking of "feral" cars and serious damage to the landscape. It is readily apparent that the University's population has grown faster than its capacity to accommodate cars on the site. Without immediate action the damage done to paths, grassed areas, gutters and so on will accelerate as the University continues to grow. The University must take steps to balance the supply and demand for parking spaces, if for no other reason than to protect the



*An example of the natural bushland campus*

environment. But the responsibility does not rest solely with the University administration. The University community can reasonably expect car drivers to behave in a considerate manner towards the landscape.

Growth has also brought with it problems associated with increased pedestrian traffic such as litter and formation of unofficial short-cuts across lawns and gardens. Again there is a dual responsibility to combat these problems. For its part the University must provide an adequate number of conveniently located litter bins and should design well defined paths and surrounds that discourage pedestrians from straying onto informal routes. Pedestrians, as well as car drivers, should be encouraged to respect the landscape and consider the effects of their actions on the grounds.

## Building Activity

The last few years have been exceptional in terms of the amount of construction activity that has occurred at the University. This has been partly the result of a significant capital expansion program and also a consequence of the 1989 earthquake and the substantial repairs to University buildings. While it is not possible to undertake major construction activity without causing some consequential damage, it is possible to ensure that construction activity occurs with the least possible disruption to the environment. This aim must be given a high priority by the University.

The Landscape Committee is also concerned that the widespread occurrence of construction work and the resulting untidy appearance of many parts of the University will have a further by-product effect on the attitude of people to the campus, ie. there is a danger that it will accustom people to lower standards of

care. The piles of rubbish associated with the construction site and the evidence of irregularly parked cars creates an impression that the landscape is not highly valued and does little to encourage "friendly" behaviour by the rest of the community. The rough treatment that the grounds have received over the last few years must not be allowed to gradually become accepted practice.

## Bushland Threat

Perhaps the biggest long term threat to the campus and cause for greatest concern is the disappearance of bush areas as a result of building and other activities. This University was established in a natural bush environment giving it a unique theme and advantage over other campuses in Australia. The bushland theme is something the University should jealously protect and promote. This is recognised in the Master Plan adopted by Council - but it must also be translated into our day to day thinking and activities. The Landscape Committee is advocating a reinforcement of the bush campus concept through a reversal of some landscape practices. This would see paths and roads being set amongst dense planting rather than being bordered by lawn or tree areas with slashed undergrowth. The preferred location for lawn areas is in the space immediately adjacent to buildings where the natural bushland has already been disturbed. The proposal to line paths and roads with bush landscape has the advantage of reinforcing axes, reducing maintenance costs and keeping cars and pedestrians in their appropriate areas.

## A Chance to Comment

On an administrative level, the Landscape Committee will be recommending changes to a number of working practices and policies that impact on the campus. However to a large extent the direction of change and the future of the campus is open to public comment and influence. Your views on how the campus landscape should be enhanced are strongly invited.

Submissions should initially be sent in writing to Mr G. Barcan, Secretary to the Landscape Committee, Secretariat Division.

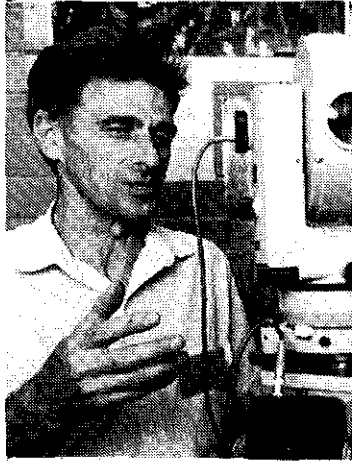
The Landscape Committee would hope to be able to report back in a future edition of the BULLETIN on the comments and suggestions received.

- Geoff Barcan

# Surveyor Recognised for Outstanding Achievement

*"In recognition of your outstanding technical achievements of service to and reflecting credit on the profession of surveying in Australia".*

These are the words used to describe an award, in the form of a silver medal, bestowed on Senior Lecturer in Surveying, Mr Mike Elfick, by The Institution of Surveyors, Australia.



*Mr Mike Elfick*

Mike was awarded the silver medal by the professional body which has only awarded eight medals since 1960. The medal is awarded to members of the Institution who have performed outstanding technical achievements, or who have rendered outstanding service to the community, thereby reflecting credit on the profession, or who have rendered outstanding service to the Institution and the profession, or who have performed any combination of the foregoing.

Previous medals have been awarded in 1960, 1967, 1969, 1972 (two), 1984 and 1989.

The attributes which have earned him the medal have been described by the Institution of Surveyors, Australia, as recognition and understanding of surveying and engineering problems and needs; innovative solutions, scientifically founded and practical; energy and enthusiasm such that colleagues and students are similarly affected; successful development of advanced ideas and systems for institutions and commercial organisations; and the generosity and clarity necessary to share the outcome of his achievements with his fellow surveyors.

He began his career serving articles with a private surveying firm in Sydney and also with the Tasmanian Hydroelectric Commission, qualifying as a Licenced Surveyor in 1961. He then became involved in engineering projects, notably with Ove Arup and Partners during construction of the Sydney Opera House.

He became well-known to most surveyors in the profession with the role he took during this time and it was due to his innovative use of three-dimensional geometry that much of the complex construction of the Opera

House was built on time, and to such fine tolerances.

Following this period he worked in the setting up of the innovative company, Engineering Computer Services, which specialised in computer techniques for geophysical and surveying applications. Then after a subsequent period as a partner in a private practice at Cooma, he joined the New South Wales Department of Lands in 1970. As Senior Surveyor he was responsible for much of the innovation in the Technical Services Branch including the transition to digital mapping.

He obtained postgraduate diplomas in Surveying Science and Town and Country Planning from the University of Sydney and in 1977 took up a lecturing position with the Department of Civil Engineering and Surveying at the University of Newcastle, gaining a promotion to Senior Lecturer level in 1981.

### *Development of New Surveying Instrument*

Mike Elfick was not satisfied to rest on his past achievements. During the 1970's he had developed an idea that computers could be used to aid photogrammetric measurement and that an analytical solution could be developed to replace current analogue solutions at a reasonable cost. He commenced a series of investigations which led to the development of a device which would revolutionise surveying.

The device, known as a SD-4 analytical stereoplotter, weighed less than a tenth of equipment developed overseas and only 25% of their cost. It

proved that it was possible to design and build in Australia, advanced surveying and photogrammetric equipment.

In 1985, he developed the MPS-2 (Micro Photogrammetric System-2) analytical stereoplotter, designed specifically for small format photogrammetry. By mid 1989, after just two years of full production by an Australian company, Adam Technology, over 75 of these units had been sold and distributed throughout the world, considerably enhancing Australia's reputation in surveying and photogrammetry. A larger format version of the MPS-2, known as the ASP-2000, is also under production and is operational in various countries of the world including the USA, Malaysia and Japan.

His research efforts have been recognised by the Australian Research Council with continuous support over the last nine years.

However, his involvement with the University does not only lie in research and development of analytical stereoplotters. He has maintained a close liaison with, and interest in, undergraduate students through his teaching of third and fourth year level subjects and a highly visible profile in the profession.

Over the last 15 years he has published over 30 papers on photogrammetry and surveying in refereed international and Australian journals and has represented Australia at photogrammetric conferences in Germany, U.S.A., Brazil and Japan. He has been the Australian delegate to the International Society of Photogrammetry for the Commission dealing with instrumentation.

He has also acted as a consultant to many government authorities and private organisations both for the application for small cameras and small format photography to uses in his analytical stereoplotters and also on the use of land information systems.

Recreational interests include bushwalking and an involvement with the Bushfire Brigade organisation, both as a member and with research into computer modelling of wildfires.

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# Engineering Faculty to Go On Show

The Faculty of Engineering will have cause for double celebration when it opens its doors to the public in early September.

The Faculty will be participating in National Engineering Week during the seven days from September 2 and its display will also be a highlight of the University's 1991 Open Day which is being held on the weekend of September 7 and 8.

The Newcastle Chairman for National Engineering Week, Mr John Waanders, said the event represented a great opportunity for the University's Faculty of Engineering to promote engineering to the public.

"The involvement of the University with the Institution of Engineers through combining the Open Day

with National Engineering Week is beneficial not only to the Institution but allows an extended profile of the University through associated promotion and sharing of interests," he said.

Staff within the Faculty are planning a variety of exhibitions, 'hands-on' demonstrations, displays and addresses which will cover the engineering specialisations of chemical, civil, computer, environmental, electrical, industrial, mechanical and mining. Information on courses in computer science and surveying will also be made available for the Open Day activities.

The special events will run from 10 am to 4 pm on the weekend of Open Day and academic staff will be on hand to give advice on Higher School Certificate

requirements and the above undergraduate programs, in addition to research opportunities.

The Chairman of the Open Day Committee, Professor Tim Roberts, said the National Engineering Week

**"We are trying to make Open Day a fun event where visitors will be able to see the many functions of the University.."**

activities would be one of the many highlights on the September weekend.

He said the Engineering Faculty had plans well under way for the two days and that visitors to the different buildings in the

engineering area had the chance of winning a Macintosh personal computer being donated by AppleCentre Newcastle.

"We are trying to make Open Day a fun event where visitors will be able to see the many functions of the University but also gain information on courses for 1992," Professor Roberts said.

"A number of Newcastle companies are fully supportive of the Open Day and Maintain Axis Computers have already become a major sponsor of the event."

Preparations are being finalised and Professor Roberts said a full agenda will be published in a comprehensive program which is being prepared for the Open Day weekend.

## Rhodes Scholarship

Rhodes Scholarship Students can apply for the NSW Rhodes Scholarship for 1992 until August 30.

The scholarship is tenable at the University of Oxford from October, 1992.

A Rhodes Scholar receives a personal allowance (in 1990-91, the allowance was set at 5640 English pounds a year). All college fees are paid and assistance is given with travelling expenses to the UK.

Candidates must be 19-25 years of age and Australian citizens.

Further details can be obtained from Mr Michael Bannigan, of the University of Sydney, telephone (02) 692 4567, fax 02 692 4607.

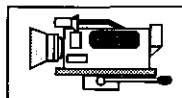
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## ◆◆ HEALTH RALLY JULY 30 ◆◆

A rally in support of Hunter region hospital services could be the biggest in Newcastle's history, according to its organisers.

Planned for July 30, the rally has been planned to express the concern of citizens and health professionals at suggestions that Royal Newcastle Hospital may be closed or have its services drastically reduced.

Separate rallies were organised to support Kurri Kurri and Wallsend Hospitals.

## An Exposition on EEO

The Director of Affirmative Action, Dr Les Eastcott, will hold a meeting with members of the University's staff to answer questions on Affirmative Action and Equal Employment Opportunity policies.

The meeting will be held in Room ES 204 in Engineering on July 26 at 12.15pm.

All staff (academic, general, male and female) are welcome.

Questions can be asked from the floor, but you are encouraged also to put questions on notice, by writing to the EEO Unit before the meeting.

# Students Receive Special Scholarships

Hard work and outstanding marks have just been rewarded by the University for 12 students who chose to take up tertiary studies at the institution this year.

The 12 students - all of whom gained a Tertiary Entrance Ranking of 99 marks or more from a possible 100 marks in last year's Higher School Certificate - have been presented with special scholarships to assist them with their university studies.

The Higher Education Contribution Scheme Scholarships are made available to Year 12 students who attend Hunter Region high schools and elect to enrol at The University of Newcastle.

The students were all placed in the top two percent of the State in the 1990 Higher School Certificate and have enrolled in a wide range of courses at the University.

The Deputy Registrar (Academic), Mr Frank Hawkins, said the achievement of the students was above expectations and reflected the calibre of the people being attracted to tertiary studies in Newcastle.

"The scholarships are awarded purely on academic merit," said Mr Hawkins.

"About 3,000 students enrolled in first year studies at the university this year and 20 placed in the top 12 - and gain marks which put them in the top echelon of New South Wales - is an outstanding

record for which the students can be proud."

The scholarship winners are:

- \* Kylie Ball, Warners Bay High School, Bachelor of Arts (Psychology).

- \* Rachael Hutchinson, Maitland Grossman High School, Bachelor of Arts.

- \* Jason Kimberley, Warners Bay High School, Bachelor of Computer Science/Bachelor of Science.

- \* David Leonard, Lambton High School, Bachelor of Engineering (Computer)/Bachelor of Computer Science.

- \* Andrew Moss, Wallsend High School, Bachelor of Engineering (Electrical)/Bachelor of Science.

- \* Fiona Neville, Toronto High School, Bachelor of Commerce.

- \* Sharon Smith, Kotara High School, Bachelor of Science.

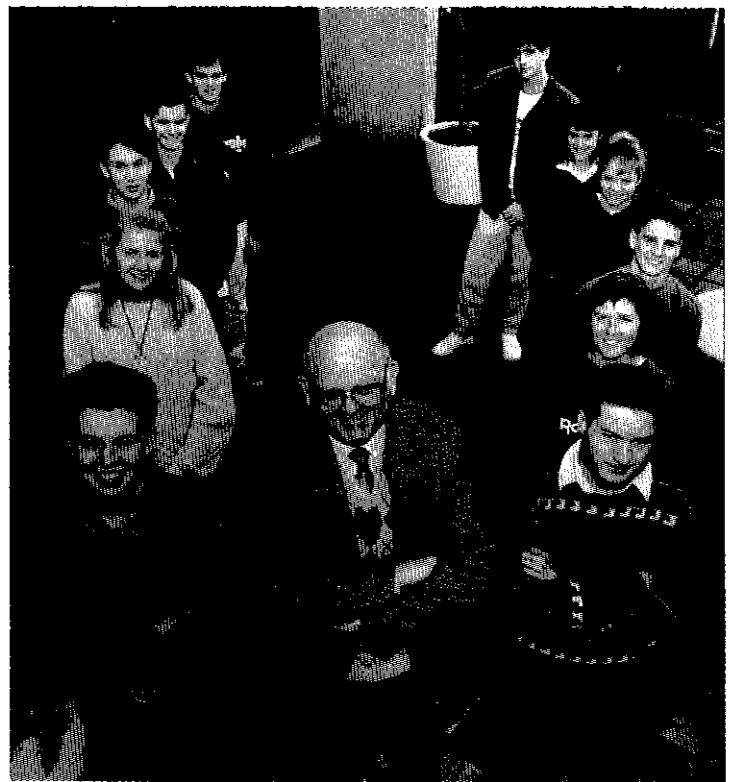
- \* Darrell Tam, Irrawang High School, Bachelor of Engineering (Computer)/Bachelor of Computer Science.

- \* David Taylor, Warners Bay High School, Bachelor of Arts.

- \* Wendy Timms, Avondale Adventist High School, Bachelor of Science.

- \* Adrian Ugray, Lambton High School, Bachelor of Computer Science.

- \* Paul Wilson, Whitebridge High School, Bachelor of



Scholarship winners (from left to right) Andrew Moss, David Taylor, Darrell Tam, Rachael Hutchinson, Paul Wilson, The Registrar (Academic), Mr Frank Hawkins, Jason Kimberley, Wendy Timms, Adrian Ugray, Kylie Ball, Sharon Smith and David Leonard.

Engineering (Electrical)/Bachelor of Mathematics.

The scholarships are made available by the University for first year students enrolled in full-time course and pay the Higher Education Contribution fee for the duration of the students' course.

Mr Hawkins said more than 30 students were now holders of HECS Scholarships under the scheme which was initiated by the University in 1990.

"It's interesting to note that

this year's scholarship winners came from nine different high schools within the Hunter Region which is evidence of the high standard of secondary education in the area," said Mr Hawkins.

"The scholarships each year are promoted in the region's high schools and the university believes it will continue to attract top ranking students, especially when the Year 12 students realise that the university is trying to support them in their tertiary studies."

## Your Chosen Career - What's It Like?

This year's Careers Fair will be held in the Great Hall on August 20 between 1 pm and 7 pm.

Careers Fairs, give students an opportunity to learn what their preferred professions are really like.

Graduates give their time voluntarily to outline their own experiences and provide information on their day to day activities and how to enter the professions.

For the first time, professional institutes and

societies will have advisers at the fair.

This will be the third annual careers fair at which students question graduates about various vocations.

A guide providing the names of the graduates in attendance and sample questions to ask will be distributed to the students who attend.

The University's Careers Officer, Ms Helen Parker, has stressed that the Careers Fair is not a recruitment exercise.



At the first Careers Fair in 1989, the Warden of Convocation, Mr Vic Levi, gives information to students



# New Teaching Aid for Engineering

A donation made to the Department of Civil Engineering and Surveying will greatly assist the teaching of the Year III structural steel design course.

The Australian Institute of Steel Construction (AISC), based at Milson's Point in Sydney, donated a steel unit that embodies a variety of bolted connections.

Dr Mark Stewart, a Lecturer in Civil Engineering and Chairman of Newcastle Branch of the AISC, said the steel connection model would prove to be a valuable learning and demonstrating aid to the 40-odd students who studied the structural design component of the civil engineering course.

The unit was built by students of Miller College of TAFE (located near Liverpool) from materials that were donated. The specific donations and the donors - the steel, Union Steel; the bolts, Ajax Spurway; the purlins, LBI, and the paint, Transfield.

Mr Arun Syam, the AISC's Engineer for Technical Services, who presented the model to Professor Rob Melchers, Professor of Civil Engineering, said that as Australia's prime



*Pictured with the unit that will be used as a teaching aid are (left to right), Mr Arun Syam, Dr Mark Stewart, Mr Peter Kenyon and Professor Rob Melchers.*

steel industry representative body the AISC played a leading role in the education of future building and construction industry professionals.

He said that in keeping with its commitment to education the Institute had a special category of student membership, more than 1500 student members being provided with a range of valuable resource material and having access to the Institute's library. **New Teaching Aid for Engineering** ◆◆◆

## The Sensual World

An exhibition of art put together by three final year Visual Art students from this University will run at Watt Space in Newcastle until August 8.

Titled The Sensual World, the exhibition embodies drawings, prints and ceramics executed by Linda Dalton, Kirsty Jarrold and Carmel McCormack.

Graphic designer and artist, Arnem Engine, opened the exhibition on July 18.

## Skeptics Meeting

The next meeting of the local branch of the Newcastle Skeptics will be held in Room 105 in the Physics Building on Friday, August 9, at 7.30 p.m.

Topics will include articles in the winter edition of The Skeptic and other relevant issues.

# Review

by Marea Mitchell

## The Revenger's Tragedy

by Cyril Tourneur, Directors, Mark Gauntlett and Caroline Stacey, Drama Theatre, July 16 to 28.

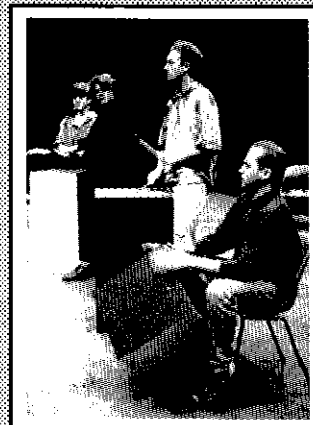
The no-nonsense approach of the program for the Drama Department's production of *The Revenger's Tragedy* is in complete contrast to the complexities and intrigues of the play itself, acting as a nicely chosen foil. Balance is an integral part of this production from the outset where the characters are placed around the stage in patterns that would be well captured in a still photograph.

Alienation, a key element in this seventeenth century play is brilliantly and imaginatively captured in the set design (Gauntlett and Stacey), make-up (Melanie Davies and Elizabeth Graham) and costume (Julie Kirby), turning these often taken-for-granted aspects of production into stars. These three elements are at their most impressive in the opening scene and in the masque/anti-masques of the denouement, where almost the entire cast is involved. These tableaux are finely arranged and extremely pleasing.

The sense of intrigues at a Jacobean court, of malicious plots conducted in secrecy, is evident through the emergence of the characters from behind the between the pillars and blocks of the set, so that the first sight of the character is partial and occluded. The menace is also well suggested through the sinister drumming music with which the play begins. So that's what it was! I had wondered if the Drama Department was staging *Heart of Darkness* rites over the 'vacation'.

The play, as an indictment and/or parody of duplicity and corruption, necessarily, in this period, focuses on men: the women being the means by which the level of corruption is measured and observed. Gratiana (Anne Grivas) well illustrates the way in which the representation of women in this period was coloured by their context. The constancy of the chaste woman (Castiza/Anne-Louise Dorney) is clear but marginalised.

Integrity, such as it is, is embodied in the male revenge figure (Vindice/Glen Hazeldine) and his brother (Hippolito/Philip



*The Revenger's Tragedy in rehearsal. (left to right) Kate Sweeney plays the Duchess, Tim Richards junior, Damon Eggleton, Ambrosio and David Owens the Duke.*

McGrath), although they bite the dust as a result of their pragmatism, and the belief that revenge in a good cause sanctions the means by which it is achieved.

A difficult play like *The Revenger's Tragedy* inevitably makes great demands on actors, and these were generally well met, although there was an unevenness about some of the performances. The difficulty of conveying the humour of jokes which no longer have currency because the social issues on which they were based no longer exist, was, on the whole, overcome. Glenn Hazeldine had a very demanding role as Vindice and parts of his performance were excellent and persuasive. Lussurioso (David Yarrow), the Duchess (Kate Sweeney), Spurio (Paul Makeham) were also provocative roles well executed!

All in all, the production was reminiscent of *Spring Awakening* in the sense of team work, which is probably why those scenes involving the majority of the cast were particularly effective. The actors doubling up in the minor roles were integral to the overall success of the production. The Drama Department well serves the University in enabling students to participate in complex and challenging plays, and in allowing audiences the opportunity of seeing plays rarely performed.

# Newcastle and Two Villages in Northern France

A visit to Newcastle by the Mayors of two villages in Northern France will strengthen ties between the villages and the city and the University.

The Mayors are the civic heads of Bullecourt and Hendecourt, communities which every year remember the Australian soldiers who were killed in the disastrous second battle of Bullecourt in World War I.

The Mayors will visit Newcastle more than 74 years after the battle (May, 1917) in which the Germans decimated the Australians, who lost 7000 men in eight days.

The 2nd and 17th Battalions, have their headquarters in Newcastle.

The Mayors' visit is the outcome of friendships made by Professor Eric Andrews, Associate Professor in History, and Mr Bede Jordan, of the Instructional Media Unit, with people in Northern France early this year. Professor Andrews, who is writing a book on Australian-British relations during World War I, and Mr. Jordan visited France to obtain information about,

and make a film on, the battle of Bullecourt.

Professor Andrews told the BULLETIN: "Each year the villagers of Bullecourt and Hendecourt remember the Australians who were slaughtered.

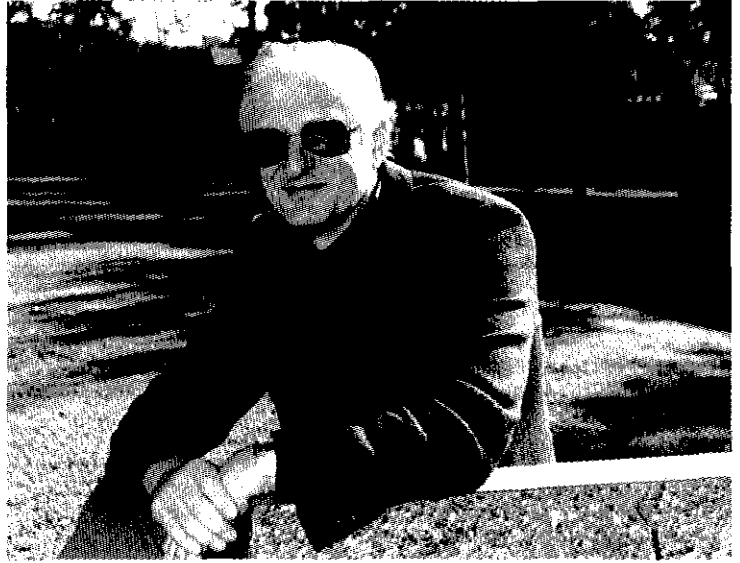
"While we were there, a small ceremony at Hendecourt Primary School was followed by a reception, which was attended by the Australian Ambassador and some Australian army officers who were training in England.

"This was financed and organised by the villagers themselves and all Australians were welcome.

"Following mass in Bullecourt Church and a more official ceremony outside, we all made our way in a long procession to a memorial on the battlefield.

"Village children laid bunches of flowers on the memorial and a small girl recited 'In Flanders Fields'.

"Then the tiny village band struck up 'Advance Australia Fair' and the procession wound its way back to



*Associate Professor Eric Andrews*

Bullecourt.

"We were moved by the simplicity and dignity of the ceremony and felt privileged to take part.

"We found the friendship and hospitality of the people of this French farming community overwhelming and their regard for Australians touching," Professor Andrews said.

Apart from the battalion link with Newcastle, there is a memento of the battle in Christ Church Cathedral. The word 'Bullecourt' can be seen inscribed on the 2nd Battalion's colours.

The mayors of Bullecourt and Hendecourt will be accompanied by their wives and the Schoolmaster and Schoolmistress of Hendecourt Primary School.

On the evening of August 12, following a tour of the Hunter Valley, the visitors will be entertained by the Alliance Francaise in Newcastle. The Lord Mayor, Alderman John McNaughton, will give them a civic reception on August 14 and the 2nd/17th Battalion Association will hold a welcome luncheon that day. ◆◆◆

## Public Relations Case Studies Night for Uni Students

The Hunter Society of Business Communicators invites students enrolled in Communications, Business, Management, Recreation & Tourism or other courses to attend a Case Studies Night where three major public relations case studies will be presented by people involved in the event.

The Case Studies are

### *(1) The Obelisk Explosion*

In June, 1985 an explosion

destroyed the Obelisk Reservoir in the historic inner Newcastle suburb, The Hill plunging eight teenage girls into the icy water. They were rescued suffering from burns and shock. The then Public Relations Manager for the Hunter Water Board, Chris Ford, will explain how the Board dealt with the widespread public concern, media interest and government scrutiny.

### *(2) The Newcastle Earthquake.*

Bob Purser, consultant with Public Relations advisers to the Newcastle City Council, Cogan & Associates will explain how they got the PR machine rolling, what problems were involved and what have been the after effects.

### *(3) Throsby Creek Renewal*

The Throsby Land Care Coordinator, John Sutton will explain how what started out as concern by local residents of Maryville has now become

a major public relations campaign incorporating an education program as well as political lobbying.

It will be held on **Wednesday, July 31 in Lecture Theatre B13 in the Hunter Building at 6 pm.** A small fee of \$2 will cover the cost of light refreshments.

If you would like to attend, please contact Keith Powell on 21 6458 or Cae Pattison on 216457. ◆◆◆

# Second Round Conference Fellowships Applications Now Open

The Fellowship Program Sub-Committee has pleasure in inviting second round applications for DEET-Funded Conference Fellowships.

The Conference Fellowships are designed to help staff meet prohibitive cost factors such as travel and accommodation and aim to supplement the existing mechanisms of support already offered within Schools, Faculties and Departments. Through attendance at the conferences, successful applicants will be expected to take advantage of opportunities to liaise with aca-

demie counterparts, and attempt to establish collaborative links.

Each Conference Fellowship will receive up to \$1,800 to help cover accommodation, conference registration, travelling and living expenses.

Applications should be submitted from academic staff with no more than four (4) years academic experience or who are able to provide clear evidence that the conference they wish to attend will help in the re-orientation of their academic careers.

Applicants are eligible for subsistence up to the maximum per diem rates stipulated by the University and are encouraged to take advantage of Apex and Excursion travel offers wherever possible. It should be noted that the Conference Fellowships are not designed as a "top up" on Research Management Committee travel grants.

Booklets containing information about the Conference Fellowships together with application forms are available through your Department.

All completed application

forms, together with supporting documents, should be returned to: Chair, Fellowship Program Sub-Committee, Box 1, Hunter Building, University of Newcastle, NSW 2308

APPLICATIONS CLOSE FRIDAY, AUGUST 16, 1991

For further information and application forms, contact Lisa Marshall, Office of the Pro Vice-Chancellor (Development) on 21 6570.



## Research funds cut

The Education and Training Foundation, established by the NSW Government to support research and training, will have its funding sharply reduced as a result of the Government's July financial statement.

The ETF was funded from payroll tax. Firms were able to nominate that two per cent of their payroll tax should be diverted to the ETF, making that money available to fund approved training and education schemes.

The Premier and Treasurer, Mr Greiner, said in his statement to Parliament on July 2 that "while the Foundation has achieved notable success to date, the dedication of this set proportion of payroll tax revenue to its funding will be removed."

On July 17, the Minister for Further Education, Training and Employment, Mr Fahey, said companies could nominate 0.5 per cent of payroll tax payments to the fund.

## Campus Link with Conference



*Those who took part in the workshop in the Department of Physics*

A workshop in the Department of Physics on July 7 and 8 established a research link between this University and an international conference held in Brisbane.

The workshop, on inelastic collisions in the gas phase and at surfaces, attracted speakers from research institutions in Europe and the United States.

The visitors came to Australia to participate in the

International Conference on the Phenomena of Electronic and Atom Collisions (ICEAC) in Brisbane. The ICEAC is held every two years.

The Head of the Department of Physics, Dr John O'Connor, said the workshop was aimed at linking the ICEAC to research conducted at Newcastle which involved electronic and atom collisions at a surface.

He said the workshop was organised on an informal basis offering all participants the opportunity to present material which related to the role that atomic collisions played in ion surface interaction.

The general feeling of the international participants was that this event formed a sound basis for a future larger exercise aimed at the same audience, he said.



# Hospital Chaplains Break Myths and Win Award

What is a hospital chaplain? What do they do? Are they pious and pompous clergy who can't relate to the everyday person? Are they all religious 'fanatics' after more conversions? What are they really like? Who can they help, and how?

These questions prompted the production of "*Hospital Chaplains - More Than Just Doom and Gloom*", the award-winning video at the recent Newcastle Media Club's REACH Awards.

The REACH Video Award, sponsored by BHP Steel, was presented in Recognition of Excellence in Advertising Created in the Hunter.

The video was made for Royal Newcastle Hospital Chaplaincy Service in conjunction with the

Division of Nursing and produced by the Medical Communication Unit, the media production unit of the University of Newcastle Medical Faculty and the Hunter Area Health Service.

The program takes a novel and entertaining approach to what is normally considered a difficult and sensitive subject.

Design to modify the often stereotyped and misleading images that surround chaplaincy services, the 15 minute comedy video presents a series of humorous situations dealing with various myths that surround the hospital chaplain: the "Bible-basher", the "Doom and Gloom Merchant", the "Ignorer of People's Privacy", etc. It then shows the more accurate picture of today's



*A scene from "Hospital Chaplains - More than just Doom and Gloom."*

chaplains.

The video is being distributed throughout Australia and New Zealand by TUNRA Educational Services, the commercial marketing company of the University.

The Director of the Medical

Communication Unit, Mr Adrian Daniel, commented that this was the fourth award the Unit had received for training and educational video production reflecting the varied talents and expertise of video production staff in the Unit.

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# Foundations for Tertiary Teaching

Foundations for Tertiary Teaching, a three-day seminar as part of the University's Staff Development Program, was held at the Bimet Lodge and Training Centre recently.

*Participants were required to give lectures in front of a video camera*

The seminar, which was jointly funded by a grant from the Department of Employment, Education and Training and funds from the University's Academic Staff Development budget, was designed

to provide academic staff who are experts in their own fields with lecturing and presentation skills.

It covered areas such as:

- \* Planning and delivery of effective instruction,
- \* Preparation for individual presentations,
- \* Student assessment,
- \* Developing presentation skills,
- \* Exploring individual concerns and identifying future needs,
- \* Developing interactive social skills.

Participants were required to give lectures in front of a video camera which was then played back to the whole group for comment and criticism.



*Mrs Anne Killen (right) with some of the participants in the Tertiary Teaching Seminar*

Joint presenters of the seminar, Anne and Roy Killen, said the program had proved very successful with participants honing their lecturing skills.

"We hope to conduct more of these seminars in the future," said Anne and Roy.

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# Don't Panic - It's All in the Cause of Research

The second phase of a research study being conducted by a University academic is calling for female volunteers who are prepared to give up a little of their time to act as controls to counterbalance the study.

The study, being conducted by lecturer in Psychology, Dr Justin Kenardy, is examining the causes of panic attacks. Twenty percent of the population experience panic attacks for no apparent reason, and three to four percent experience them as often as once a week.

Dr Kenardy says that the first phase of the study, conducted while he was at Stanford University in California, found that young women were prone to panic attacks.

He says that women are more likely to report anxiety and seek help whereas men use other means such as alcohol, physical activity, etc., to cope with their anxiety.

It was also found that panic attacks don't occur randomly, but are more likely to happen in the middle of the day and late in the evening. And people seem to be able to predict when the attacks may happen.

The second phase, funded by a \$47,000 research grant from the National Health and

Medical Research Council, will use a novel way to monitor panic attacks in people who experience them, but will also monitor volunteers who are known to not experience panic who will act as controls in the project.

Dr Kenardy is being assisted in the project by postgraduate psychology student, Ms Catherine Adams.

"We will be using a unique new method. We will ask people to carry a small portable computer around with them for a week, which is programmed to ask questions of them between 7 am and 11 pm during the day," says Dr Kenardy.

"In this way we can find out what is going on before, during and after an attack occurs.

"We want to know when they occur, what is going on at the time, how they feel at the time, who they are with and how they feel during and after the attack.

"We already have three volunteers to act as controls and need another seven," he says.

Volunteers will be required to have an interview and complete a number of questionnaires. They will be required to carry the portable computer around with them for seven



Dr Justin Kenardy and Ms Catherine Adams pictured with one of the portable computers that will be used in the panic disorder study.

days which will ask them several categories of questions relating to panic attacks and will be required to carry a portable heartrate monitor during the time. All participants will be given training on how to use the portable computer.

Dr Kenardy stresses that the questions are not of an

invasive or personal nature.

Women who may be interested in helping the study need to be aged from late teens to about 35 to 40 years of age and in good health.

More information can be obtained from Dr Kenardy by telephoning him on 21 5957 or Ms Adams on 21 5075.

## Opera House - The Surveying Experience of a Lifetime

Senior Lecturer in Surveying, Mr Mike Elfick, (see story on page 5 regarding his being awarded a silver medal for his professional achievements) was closely involved with the construction of Sydney's Opera House back in the early 1960's and has some interesting tales to tell about his experience.

"In a structure like the Opera House the surveying task is not only to see how things fit together. Buildings of that size and complexity change shape and move during the construction process, due to stress

components and many other factors. It was very important to see that as it was being put together. It changed shape according to the predictions," said Mike.

**"The arrangement we had was that people would actually slide off the roof on ropes, hand the field notes to a taxi..."**

"I was involved in Stage II of the shell roofs as sur-

veyor for the consultants.

"I was in charge of all the dimensional control for the shell roofs and the stoptower steelwork. It was partly a gigantic jigsaw puzzle and partly a continual monitoring of the actual performance of the building during the construction process.

"It was not possible to perform the calculations in the time required, so that led to the development of a computer program to solve the problems. This really was my introduction to the

world of computers.

"Looking back now, it was fairly primitive. The only computer we had available was in York Street. The arrangement we had was that people would actually slide off the roof on ropes, hand the field notes to a taxi which would take the material to the computer and within one hour the results would come back.

"The purpose of this exercise was to monitor the structure 'in real time' as construction proceeded," he said.

# Research Project Proves a Winner

A call for volunteers for a unique University research project has prompted an overwhelming response which has taken its instigator by surprise.

The research project, being conducted by the Course Director of the University's Bachelor of Health Science (Nutrition and Dietetics), Ms Yvonne Webb, is about the 'reporting' aspect of weight reduction.

The project, to be conducted over the next few months, will not only reveal important findings for Ms Webb, but will have beneficial spin-offs for the participants.

Funded by a University research grant, the project initially hoped to involve 50 women who weigh between 80 and 100 kgs., are over 20 years of age and are pre-menopausal.

**O** This seemed to be a reasonable target, but not one that nearly 350 potential volunteers were content with.

Following articles appearing in the local media and interest generated from radio interviews, the phones in the Department and the University's Information and Public Relations Unit ran hot. The women of Newcastle were not only interested, they were desperate to be involved.

Ms Webb says she is both pleased and overwhelmed by

the response and has expanded the project to cater for the unexpected demand.

She says that many people were desperate for help.

"We had hundreds of phone calls and some people even jumped into taxis and arrived on our 'doorstep' to make sure they gained a place in the program," Ms Webb said.

By 'reporting' Ms Webb means the regular visits to the consultant supervising the participant's particular weight loss program. In a previous study conducted in Brisbane, she says it was found that less frequent visits or 'reporting' correlated with less weight loss.

"It is this factor that probably explains why commercial weight loss programs work in the short term, but not after the person stops seeing the consultant," she said.

"Each participant has been given a questionnaire form to find out their level of knowledge about nutrition and also a diary to record their food intake to bring to each appointment.

"I have broken the participants into two groups, the first or 'A' group will visit weekly for five weeks and then five fortnightly visits and the second or 'B' group will do the reverse.

"We will keep track of what



Ms Lynda Riley from Valentine is weighed and measured for height by Technical Officer, Stan Ryl, at the initial session of the weight loss study.

they are eating, when, where and why.

"I have asked them to be realistic and honest, reporting whether they ate a small, average or large serving and to identify packaged foods and keep an eye on the nutritional analysis of the food.

"I have also asked them not to skip and not to feel as though they have to weigh their food.

"It's an excellent opportunity for them to learn about their bodies and the food selection process. We aim to give them

a nutritional analysis of their diet and advice on how to make improvements," she said.

"It's our job to be a detective and find out what is going on in the diet.

"The important point is that the individual is taught relevant skills for supermarket shopping, food preparation and menu selection. A large proportion of those who want to lose weight and who are unsuccessful are acting on misinformation," she said.

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# Ideas on Women's Leisure Discussed

**O** Emeritus Professor Donald Horne linked his ideas on women's leisure with better understanding Australia when he opened a symposium at the University on July 11.

Professor Horne advocated that we spread the increasing understanding that it is not a human right that a women's work should never be done.

"The right of people to exercise their potential as humans in their own way is a matter for all citizens - whether they are male or female," he said.

Professor Horne also remarked that as the Chair of the Ideas For Australia Program he was very pleased to open the two-day symposium. The ideas program was being built around the theme of Understanding Our Own Country. One assumption was that to make decisions about our nation's future Australians needed knowledge about their country's history, physical development, the kind of society it was, its economic and political life, what meanings its citizens

gave to existence and the nature of other societies.

"This is related to the theme of the conference," Professor Horne said. "One of the ways we can begin to understand more about our society is to go beyond the narrowly economic and concern ourselves with how Australians actually lead their own lives."

One of the great concerns of the Ideas For Australia Program was that some of the country's most valuable cultural resources were locked up in the nation's universities. It was a question of fundamental national interest that the doors should be unlocked and that university people should be encouraged to play a much more active part in public intellectual life.

He added that Australia would only become a clever country and a more liberal, humane and creative society reacting to change if cleverness and creativity were seen as rights of all people.

"We will never be a clever



A group pictured before the Women in Leisure symposium: (left to right) Emeritus Professor Donald Horne, Professor Karla Henderson, of the University of North Carolina, Mr Peter Brown, of the Division of Leisure Studies, Ms Libby Darlison, an American consultant, and (at front) Professor Lois Bryson, Dean of the Faculty of Social Science

country if we imagine that cleverness is to reside only amongst a few experts who work away at it in universities."

Some addresses given at the symposium challenged the view that we live in a "leisure era" supported by increases in leisure time, mobility and disposable income.

Dr Michael Bittman, of the University of New South Wales, outlined the findings of his study, including a contention that some sectors of the

community, in particular women, had less leisure time than in 1974.

Professor Karla Henderson, of the University of North Carolina USA, argued that while women were now more visible in their use of leisure, societal changes had led to increased stress and decreased leisure in many women's lives.

The symposium was organised by the Division of Leisure Studies and the Department of Sociology.

◆◆◆

# Benefit Concert



September 4  
in the Great Hall

Top Acts  
Not to be missed  
Great Prizes  
All proceeds for  
Students with  
Disabilities

More Details Soon  
The Concert is an initiative  
of the Committee for  
Students with a  
disability and the  
University Union

in conjunction with  
Open Day

## ADVERTISEMENTS

### For Sale

Suzuki Alto, 3 Door Hatch.  
Excellent Condition, Good  
Tyers. 28,000 KS (Red)  
\$6,000 O.N.O. 'Phone EXT  
5204 or 324590 after 5.00  
pm.

### For Sale

Skis, Boots and Poles.  
\$300 The Lot. Ladies  
'Saloman' Boots (8-1/2) as  
new.

### For Sale

1974 Ford Escort, 12  
months registration. Eco-  
nomical, new brakes, new  
starter motor. \$1,250  
Please telephone Jorgen on  
623088.

### Give Away

The Mobile Blood Unit will  
be parked near the Westpac  
Bank at the Shortland  
Union on July 31 from 10  
am to 4 pm. Staff and  
Students have been urged  
to call in and make a  
'donation'.

## Letter to the Editor



The Editor,  
University of Newcastle  
Bulletin.

Dear Editor,

Knowing their reputation  
for the secretive and  
furtive, we can expect a  
denial or even the  
preposterous suggestion  
that there was yet  
another BULLETIN  
typographical error. But  
there can be no going  
back. Page 6 of BULLE-  
TIN, Issue No. 10 has let  
the cat out of the bag.

Not once but a number  
of times, mention was  
made of the Freedom  
from Hunter Campaign.  
Following by a matter of  
days only the release of  
a draft for a new, effi-  
cient, revised, cost-  
effective and efficient  
administration structure,  
this item is clear evi-  
dence of a groundswell  
of revolt against oppres-  
sion of a movement  
towards secession by  
one part of the amalga-  
mated University, that  
has been detectable for  
some time now.

We have seen such  
movies as "Escape from  
Alcatraz" and "Cry  
Freedom". "Freedom  
from Hunter" may yet  
provide a story to rank  
with these.

You must be congratu-  
lated on your fearless yet  
subtle expose.

*Yours etc.*  
*Lionel Farrell.*

The Editor,  
University of Newcastle  
Bulletin.

Dear Editor,

I am a bit surprised that  
in the July 15th BULLE-

TIN Mr Wood suggested  
that the University's  
image was tarnished by  
accepting advertising  
from a nightclub in  
Newcastle. I believe that  
University life must be  
concerned about all  
aspects of students'  
development and this  
includes their social  
development.

I am further concerned  
that any individual in  
the University would  
imply that advertising be  
censored simply on the  
grounds that they don't  
believe it fits the Univer-  
sity's image. There are  
many social activities  
which are undertaken by  
the official clubs and  
societies which are "not  
relevant to academic  
pursuits". Should these  
all be cancelled?

I believe that in time of  
financial cuts from the  
Federal Government it is  
admirable that the  
BULLETIN is seeking  
and obtaining advertis-  
ing from outside sources.  
Advertising assists the  
financing of this impor-  
tant information source,  
while minimising costs  
to the University.

The only reason that an  
firm chooses a specific  
medium for advertising  
is that they believe the  
medium reaches the  
desired target audience.  
If the students' (the  
firm's target market)  
needs are specifically  
addressed by an organi-  
sation, how can those in  
the University who argue  
that the these activities  
are unacceptable, do so  
without arguing that the  
students behaviour be  
changed?

*Yours sincerely,*

*M J Polonsky*  
*Lecturer in Marketing*

## Announcing the Winners

At a recent exhibition of computer note-  
books, PC's and Postscript laser printers  
held on campus by Protech Microsystems,  
five Texas Instruments Pocket Diallers  
valued at \$100 each were won by five  
lucky people whose names came out in a  
draw.

The winners were:

Ms Margaret Lane (Geography)  
Mr John Schiller (Off-Campus Studies)  
Professor John Shea (Psychology)  
Mr Lionel Farrell (Legal Services)  
Mr David Cater (Computing Services)



# Research Grants for 1991

Information on the following grants is available from the Office for Research - Telephone 21 5305

Closing Date

<ul style="list-style-type: none"> <li>◆ The Asthma Foundation of NSW</li> </ul>	August 1, 1991
<ul style="list-style-type: none"> <li>Research project grant support; travelling fellowships and higher degree research scholarships</li> </ul>	
<ul style="list-style-type: none"> <li>◆ Retinitis Pigmentosa Research Grants 1991 August 5, 1991</li> </ul>	August 5, 1991
<ul style="list-style-type: none"> <li>For high quality research related to Retinitis Pigmentosa.</li> </ul>	
<ul style="list-style-type: none"> <li>◆ The Australian Sports Commission Applied Sports Research Program</li> </ul>	August 10, 1991
<ul style="list-style-type: none"> <li>High priorities for research funding in 1992 include, Medicine; injury surveillance and prevention; Disabled; Gender inequality.</li> </ul>	
<ul style="list-style-type: none"> <li>◆ NHMRC Research Program Grants</li> </ul>	August 21, 1991
<ul style="list-style-type: none"> <li>Provides support over five years for a research team that normally comprises several outstanding established investigators.</li> </ul>	
<ul style="list-style-type: none"> <li>◆ NSW Cancer Council: Patient Care Research Awards for 1992</li> </ul>	August 21, 1991
<ul style="list-style-type: none"> <li>◆ DITAC International Science &amp; Technology Program</li> </ul>	August 21, 1991
<ul style="list-style-type: none"> <li>To assist Australian participation in international science and technology networks and collaborative research and development programs.</li> </ul>	
<ul style="list-style-type: none"> <li>◆ Australian Academy of Science</li> </ul>	August 22, 1991
<ul style="list-style-type: none"> <li>Scientific exchanges with Japan - 1992/93</li> </ul>	
<ul style="list-style-type: none"> <li>◆ The Syd Lovibond Prize, National Drug &amp; Alcohol Research Centre</li> </ul>	August 23, 1991
<ul style="list-style-type: none"> <li>Entries from young Australian scientists in the form of a 5000 word essay. Award of \$1,000</li> </ul>	
<ul style="list-style-type: none"> <li>◆ DITAC Bilateral Science &amp; Technology Program</li> </ul>	September 19, 1991
<ul style="list-style-type: none"> <li>Support for international research collaboration on projects which contribute to Australia's industrial, scientific or technological capabilities.</li> </ul>	
<ul style="list-style-type: none"> <li>◆ The Australian Sports Medicine Federation Research Awards Scheme</li> </ul>	September 20, 1991
<ul style="list-style-type: none"> <li>Young Investigators Award, Medical Students Prize, Best Conference Paper Award &amp; Best Journal Article.</li> </ul>	
<ul style="list-style-type: none"> <li>◆ NSW Cancer Council</li> </ul>	September 23, 1991
<ul style="list-style-type: none"> <li>Travel Grants-in-Aid</li> </ul>	
<ul style="list-style-type: none"> <li>◆ NSW Cancer Council</li> </ul>	September 23, 1991
<ul style="list-style-type: none"> <li>Awards for Postgraduate Education and Training in Oncology</li> </ul>	
<ul style="list-style-type: none"> <li>◆ Australian Academy of Science</li> </ul>	November 22, 1991
<ul style="list-style-type: none"> <li>Scientific exchanges with China - 1992/93</li> </ul>	
<b>FELLOWSHIPS AND CONFERENCES</b>	
<ul style="list-style-type: none"> <li>◆ The Benians Fellowship</li> </ul>	August 15, 1991
<ul style="list-style-type: none"> <li>To undertake study and research at St John's College, Cambridge.</li> </ul>	
<ul style="list-style-type: none"> <li>◆ The Harkness Fellowships</li> </ul>	August 21, 1991
<ul style="list-style-type: none"> <li>For study and travel in the United States.</li> </ul>	
<ul style="list-style-type: none"> <li>◆ Sir Maurice Byers Fellowship</li> </ul>	August 21, 1991
<ul style="list-style-type: none"> <li>Issues affecting Australian Police work.</li> </ul>	
<ul style="list-style-type: none"> <li>◆ The Fenner Conferences on the Environment</li> </ul>	August 21, 1991
<ul style="list-style-type: none"> <li>The Australian Academy of Science, call for Proposals for meetings in 1992 or 1993</li> </ul>	
<ul style="list-style-type: none"> <li>◆ Nuffield Foundation Fellowship Awards</li> </ul>	August 28, 1991
<ul style="list-style-type: none"> <li>Three month Fellowship in the U.K. - Curriculum development; teaching through Commonwealth themes, educational drama and performing arts.</li> </ul>	
<ul style="list-style-type: none"> <li>◆ DEET Visiting Fellowships, CSFP, AEAP &amp; AGAP</li> </ul>	August 31, 1991
<ul style="list-style-type: none"> <li>Commonwealth Scholarship and Fellowship Plan - Commonwealth countries.</li> </ul>	
<ul style="list-style-type: none"> <li>Australian European Awards Program - European countries, except Greece</li> </ul>	
<ul style="list-style-type: none"> <li>Australia/Greek Awards - Greece.</li> </ul>	
<ul style="list-style-type: none"> <li>◆ ARC Australian Research Fellowships (Industry)</li> </ul>	September 19, 1991
<ul style="list-style-type: none"> <li>Australian Academy of Science</li> </ul>	September 23, 1991
<ul style="list-style-type: none"> <li>Postdoctoral Fellowships in the UK - Awards for Scientists - 1992</li> </ul>	
<ul style="list-style-type: none"> <li>◆ Frederick White Prize</li> </ul>	September 26, 1991
<ul style="list-style-type: none"> <li>Up to \$3,000 for research in the Physical Sciences</li> </ul>	
<ul style="list-style-type: none"> <li>◆ 1992 Gottschalk Medal</li> </ul>	September 26, 1991
<ul style="list-style-type: none"> <li>To recognise distinguished research in the medical or biological sciences by younger scientists.</li> </ul>	
<ul style="list-style-type: none"> <li>◆ 1992 Pawsey Medal</li> </ul>	September 26, 1991
<ul style="list-style-type: none"> <li>To recognise outstanding research in experimental physics by younger scientists</li> </ul>	
<ul style="list-style-type: none"> <li>◆ Australian Academy of Science</li> </ul>	October 25, 1991
<ul style="list-style-type: none"> <li>Postdoctoral Fellowships in Japan - Awards for Scientists 1992/93</li> </ul>	
<ul style="list-style-type: none"> <li>◆ Robert S McNamara Fellowships Program</li> </ul>	December 10, 1991
<ul style="list-style-type: none"> <li>To support postgraduate research in areas of economic development</li> </ul>	
<ul style="list-style-type: none"> <li>◆ National Campaign Against Drug Abuse</li> </ul>	No Closing Date
<ul style="list-style-type: none"> <li>◆ DITAC Access to Major Research Facilities Program, to facilitate travel to major research facilities overseas. Apply at least seven weeks before date of intended travel.</li> </ul>	No Closing Date
<ul style="list-style-type: none"> <li>◆ Education and Training Foundation.</li> </ul>	No Closing Date
<ul style="list-style-type: none"> <li>◆ BHP Community Trust.</li> </ul>	No Closing Date
<ul style="list-style-type: none"> <li>◆ RADGAC Department of Community Services &amp; Health.</li> </ul>	No Closing Date
<ul style="list-style-type: none"> <li>Medical research and targeted research areas</li> </ul>	
<ul style="list-style-type: none"> <li>◆ Research Management Committee Travel Grants.</li> </ul>	No Closing Date
<ul style="list-style-type: none"> <li>◆ Research Management Committee Research Visitors.</li> </ul>	No Closing Date
<ul style="list-style-type: none"> <li>◆ Child Accident Prevention Foundation of Australia.</li> </ul>	No Closing Date
<ul style="list-style-type: none"> <li>◆ Telecom Research Funding.</li> </ul>	No Closing Date
<ul style="list-style-type: none"> <li>◆ Wellcome-Ramaciotti Research Travel Grants.</li> </ul>	No Closing Date

Information on the above grants is contained in 'NEWS' on the VAXcluster. Further information and relevant application forms are available from the Office for Research - telephone 21 5305.



The University of Newcastle  
**Open Day 1991**  
**September 7 & 8**  
*All Welcome*  
 MAJOR SPONSOR - MAINTAIN COMPUTERS

## Techpark Proposal involves three Universities

The NSW Government has appointed a nine-member panel to study an Advanced Technology Park proposal for Sydney.

The proposal involves three Universities - Sydney, New South Wales and UTS.

Their Vice-Chancellors are on the panel, with the Chairman of the CSIRO, Mr Neville Wran, the Managing Directors of Hawker de Havilland (Mr Bruce Hattersley), Alcatel (Mr Bill Page-Hanify) and Wellcome Australia (Mr Ken Roberts) and the Director-General of the Department of State Development, Dr John Saunders.

The head of the panel is the Chairman of the Science and Technology Council, Mr Alex Dix.

The Minister for State Development, Mr Yabsley, said the proposal was "an all too rare example of university research co-operation".

"Properly applied, the improvements to industry through the commercial application of technical advances will stimulate investment, boost the economy and create jobs," he said.

The panel met for the first time on July 9, and has until October to produce a

feasibility report and an information memorandum seeking expressions of interest from the private sector.

## University Station Gets Political Support

State and Federal politicians in the Hunter have unanimously recommended the construction of a railway station at Warabrook as the public transport most likely to benefit the region.

Their choice followed a request from the Federal Minister for Land Transport, Mr Bob Brown, to list priorities in the area.

The Federal MP for Newcastle, Mr Allan Morris, said information from the Vice-Chancellor, student representatives, the State MP for Waratah, Mr John Price, and a 1985 SRA report had been submitted to the Government for consideration.

The expansion of the University had made the station increasingly relevant, he said.

"I have consulted my State and Federal colleagues in the region, and it was unanimous that this would be the most beneficial transport project for Newcastle," Mr Morris said.

"I'm confident Mr Brown will endorse our decision."

# BE COUNTED

STAND UP AND

Trouble opening your mouth in public? \_\_\_\_\_

Does your mind go numb at the podium? \_\_\_\_\_

Has the speech you prepared just turned to mush in your brain? \_\_\_\_\_

## Help is at hand!

There is an easy and inexpensive way to overcome your fears. Joan McCarthy has a "no pressure" clinic on 10/8/91 Phone 616433 for more information.

Now is the time to come out of your shell, learn confidence, preparation and wordpower never be frightened of a podium again, learn lecturn power.

*McCarthy & Associates*

# BOOK FAIR

July 27 - August 3, 1991  
 at the University Great Hall  
 Books, Magazines, Records,  
 Sheet Music,  
 9am - 6pm  
 Enquiries - (049) 616303

## We Think So Too...

The eminent author Thomas Keneally paid the University an indirect compliment when he appeared on SBS-TV to promote the idea of an Australian Republic.

Asked to suggest who might be President if a republic came into being, Mr Keneally proposed a number of prominent Australians, among them our Chancellor.

◆◆◆

## The BULLETIN

The BULLETIN is the main organ of communication inside the University of Newcastle.

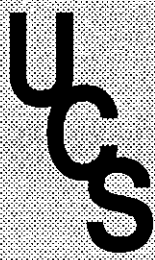
Published on a fortnightly basis, the newspaper disseminates campus news not only to staff and students of the University but also to graduates, community leaders and members of the media.

Copies are also supplied to students of the University Conservatorium of Music and at the Central Coast Campus.

The BULLETIN is produced by the Information and Public Relations Unit using PageMaker, Corel Draw and Wordperfect applications.

Letters to the Editor (no longer than 300 words and signed), reports on outstanding and unusual research, advertisements and news stories are particularly welcome.

The BULLETIN is edited by Mr John Armstrong and produced by Cae Patison. Please contact either John, Cae or Mrs Linda Aurelius on Extensions 6463 or 6457.



## DIRECTOR RETIRES

The DIRECTOR of UNIVERSITY COMPUTING SERVICES, Mr J. A. Lambert, has announced his intention to retire from the position, effective 25 July 1991. After more than 19 years in the position he has overseen major changes in computing on campus. *Computer User* took the opportunity to interview Mr Lambert earlier this month. A summary of that interview appears in the Newsletter.

## PERSONAL COMPUTING

### **MS - DOS® 5.0 UPGRADE IS HERE**

PC users have always obtained their IBM-compatible PC operating system with their equipment, either version 3.3 or 4.01. This major upgrade is now available from UCS.

### **MS - WINDOWS®**

WINDOWS 3.1 has been delayed.

The timetable has been published as follows:

Q2-Q4, 1991 — Windows 3.1 with Truetype fonts and Pen extension for handwriting recognition; Q2, 1992 — Windows 3.2 full 32-bit including multi-tasking and networking.

### **MS - VISUAL BASIC®**

This new version of the BASIC language for Windows is set for release soon. It combines a graphical form-design toolbox with an event-driven programming language.

### **MS - EXCEL®**

Excel Version 3.0 for the Macintosh already supports System 7, with 100 new features. The primary feature is a button-oriented Toolbar. EXCEL also takes advantage of the sound capabilities in the IIsi and LC.

### **LOTUS®**

Lotus Development Corp. has released a version of 123 for the Mac.

### **WORDPERFECT®**

Any purchaser of WordPerfect 5.1 from April 15 onwards will be eligible for a free upgrade to WordPerfect for Windows.

### **VIRUS UPDATE**

Recently the Department of Civil Engineering had an outbreak of the "Keypress" virus. It is thought to have come from an overseas visitor. The virus is not destructive and affects only the keyboard input, causing a repeat of some keys similar to a sticky key switch. Details of how to avoid these problems are in the Newsletter.

### **S A S**

The SAS Institute has previewed a Windows version of its data management, analysis and presentation system.

## UNIX

AT&T's \$10 billion takeover of NCR has been concluded.

## COMMUNICATIONS

AARNet has doubled the capacity of its satellite links with the USA.

## SUPERCOMPUTING

The Australian National University has recently added a Fujitsu AP-1000 UNIX-based parallel supercomputer to others it already has.

## HELP DESKS

*If you have a computer-related problem or requirement, contact*

*Judy, Alison or Catherine on 5382  
(Room CT-212 in the Computing & Information Sciences Building (CT))*

*or*

*Lyn and Jan on 6424  
(Room A100  
in the Hunter Building (HH))*



## SOFTWARE SALES

Computing Services are now selling selected software packages to interested University of Newcastle staff and students. Software from WordPerfect Pacific and Microsoft Australia are immediately available for both Macintosh and PC clone computers.

For pricing and details ring 216376 or visit our office in CISB room CT-105.

Office hours are currently:

Tuesday	8 a.m. – 10 a.m.
Wednesday	8.30 a.m. – 9.30 a.m. 4.30 p.m. – 6.00 p.m.

**\*\* Conditions apply to all sales. \*\***

## APPLE CONFERENCE

The AUC National Conference is being held at ANU in Canberra from 1 to 4 July. The theme is Research/Resources/Reality. There are three parallel sessions: Academics, Administrators & Developers. All are welcome to register and attend, for about \$400. Contact Phil Ibbotson at ANUTECH, on (06) 2490597 for more information.

## Documentation

The following brochures are available, free of charge, from the Help Desks:

- AARNET — The Australian Academic and Research Network
- Using a modem to access University computers
- Electronic mail to other computers from VAX/VMS
- Electronic mail on VAX/VMS
- Getting started with MS-DOS Kermit
- Transferring files with Kermit between a Macintosh and VAX
- Getting started with VMS on the VAX cluster (CC) (from the Micom switch)
- Getting started with VMS on the VAX cluster (CC) (from a terminal server)
- How to use common commands on VMS
- VMS Word Perfect 5.0 on WOMBAT
- Getting started with VMS on WOMBAT
- Conditions of Use of Computing Facilities
- Using FTP to transfer files between other computers and VAX/VMS
- Using TELNET to access other computers from VAX/VMS
- The Layman's Guide to Computer Viruses (DOS)
- An Introductory Guide to Using NEWS on the VAX

The following brochures will be available later in the year:

- Using TELNET and FTP from a PC
- Using TELNET and FTP from a Mac