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 the University for one semester, and four students of the University of Newcastle will swap places at SUNY with them.

The Newcastle University students are Ms Jacinta Gately (BA Psych), Ms Tamar 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.

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 Goring, 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, asked whether any studies had been done to identify the level of demand from students and staff.

Professor Morgan referred him to a 1989 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 connection of the city-based Timigara.

Mr Baird concluded that the 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.
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, 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.

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 Gorring 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 Bruce Darby, and Alderman Geddes had both a point, more than one avenue should be explored. He suggested that some 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 being used to not actually building housing.

Ms Alison Kinder, the Student's 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 accommodation and preserved.

Mr Henry said the University had missed similar opportunities in the past, citing Wirraway Flats and the Ritz-Carlton 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 trade group of unions.

Mr Darby said Newcastle had builders in difficulty and apprentices out of work; a scheme like the Whitlam Government's RDF 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, as 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-Barrack area.

However, individual homes in that area had last 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 trying to find housing 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.

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.
Glasnost in the Power Field

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 enhance 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 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.

"The Russians have a strong tradition in power engineering, emanating from Lenin's famous comment that 'Communism equals electrification plus soviets.'"
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 bushland. Staff too, spend most of their day on the campus in what is a pleasant and supportive 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 Landscape Future Directions Plan. The Landscape Committee reports to the University's Physical Planning Committee and is comprised of Mr Lance Ham, Deputy Vice-Chancellor (Administration), Chair, Mr David Stafford (Faculty of Architecture), Mr Phil Pollard (Faculty of Design), Mr Graham Gilchrist (Facility of Art, Design & Communication), Mr Ken Dobson (Department 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 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 accommodating a series of minor but accumulating incidents rather than outright disasters. This is cold comfort, however, some recent gradual decline attracts less attention and can be more harmful in the long term. The landscape 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 campus landscape can absorb these continued stresses is limited. In many cases 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 enhance its image 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 park spaces, littering litter and an apparent decline in respect for the natural landscape.

Parking Problems
A large factor in the decline in 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 unoficial 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 convenient litter bins and should design well defined paths and surfaces 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 particularly 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, i.e. there is a danger that it will accentuate people to lower standards of care. The piles of rubbish associated with the construction site and the evidence of temporary structures gives an impression that the landscape is not highly valued and does little to encourage the rest of the community. The tough 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 being eroded by advocating a reinforcement of the bush concept through a reversal of some landscape practices. This would see paths and roads being set amongst dense planting rather than being bordered by lawns or other areas with sub surface drainage. 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 limit lawn areas to specific sites where bushland has the advantage of reinforcing axes, reducing maintenance costs and providing opportunities for activities 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 is open to public comment and influence. Your views on how the campus landscape should be enhanced are strongly invited.

Submissions should initially be forwarded 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 Bulletin on the comments and suggestions received.

- Geoff Barcan
Surveyor Recognised for Outstanding Achievement

"In recognition of your outstanding technical achievements, 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.

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 Institution, or who have rendered outstanding service to the Institution and the profession, or who have performed any combination of the foregoing.


The attributes which have earned him the medal have been distributed by the Institution of Surveyors, Australia, as recognition and understanding of surveying and engineering problems and new initiatives, innovative solutions, scientifically founded and practical; energy and enthusiasm such that colleagues and students are similarly affected; equitable and balanced 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 Hydro-electric Commission, qualifying as a Licensed 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 general 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 such 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 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 continued 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 use 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.
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 Institute 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 is being held on the weekend of September 7 and 8.

"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

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 $6400 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 4807.

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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 12.15 pm.

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.

◆◆ 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.

BULLETIN • 6
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.

Eleven of 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 to have 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 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 avocations.

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, said that as Australia’s prime 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.

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 Endine, 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.
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 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 been 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 has been the after effects.

(3) Throsby Creek Renewal
The Throsby Land Care Coordinator, John Sutton will explain how what started as concern by local residents of Maryville has now become a major public relations campaign incorporating an education program we well as political lobbying.

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

If you would like to attend, please contact Keith Powell on 216457 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 academic 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 216570.

Campus Link with Conference

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 ICPEAC is held every two years.

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 ICPEAC 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.

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 Falvey, said companies could nominate 0.5 per cent of payroll tax payments to the fund.
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 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.

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.

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.
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 days which will ask them several categories of questions relating to panic attacks and will be required to carry a portable heart rate monitor during the time.

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 5987 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 surveyor 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 Department 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 130 lbs, are over 20 years of age and are pre-menopausal. 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 study. Ms Webb has promised an individual'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 patient stops seeing the consultant," she said.

"Each participant has been given a questionnaire form to fill out before and after one month 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 on A group will visit weekly for five weeks and then five fortnightly visits and the second group will do the reverse."

"We will keep track of what 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 skimp 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 supermarketing, 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

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 woman'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 the idea of making the nation's future Australians need knowledge about the nation'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 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 if changing if cleverness and creativity were seen as rights of all people.

"We will never be a clever 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 Bittrman, of the University of New South Wales, put forward 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.
**Announcing the Winners**

At a recent exhibition of computer notebooks, PCs 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)

**Letter to the Editor**

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 BULLETIN, 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, efficient, revised, cost-effective and efficient administration structure, this item is clear evidence of a groundswell of revolt against oppression of a movement towards secession by one part of the amalgamated 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 congratulated 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 BULLETIN 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 University'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 advertising from outside sources. Advertising assists the financing of this important information source, while minimising costs to the University.

The only reason that a 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 organisation, how can those in the University who argue that these activities are unacceptable, do so without arguing that the students behaviour be changed?

Yours sincerely,

M J Polonsky
Lecturer in Marketing
## Research Grants for 1991

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

<table>
<thead>
<tr>
<th>Grant Description</th>
<th>Closing Date</th>
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<tbody>
<tr>
<td>The Asthma Foundation of NSW Research project grant support, travelling fellowships and higher degree research scholarships</td>
<td>August 1, 1991</td>
</tr>
<tr>
<td>High priorities for research funding in 1992 include, Medicine, injury surveillance and prevention; Disabled; Gender inequality.</td>
<td>August 10, 1991</td>
</tr>
<tr>
<td>NHMRC Research Program Grants</td>
<td>August 21, 1991</td>
</tr>
<tr>
<td>Provides support over five years for a research team that normally comprises several outstanding established investigators.</td>
<td>August 21, 1991</td>
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<tr>
<td>DITAC International Science &amp; Technology Program</td>
<td>August 21, 1991</td>
</tr>
<tr>
<td>To assist Australian participation in international science and technology networks and collaborative research and development programs.</td>
<td>August 22, 1991</td>
</tr>
<tr>
<td>Australian Academy of Science</td>
<td>August 23, 1991</td>
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<tr>
<td>The Sydney Lovibond Prize, National Drug &amp; Alcohol Research Centre</td>
<td>August 23, 1991</td>
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<tr>
<td>Entries from young Australian scientists in the form of a 5000 word essay.</td>
<td>September 9, 1991</td>
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<tr>
<td>Award of $1,000</td>
<td>September 19, 1991</td>
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<tr>
<td>DITAC Bilateral Science &amp; Technology Program</td>
<td>September 20, 1991</td>
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<tr>
<td>Support for international research collaboration on projects which contribute to Australia's industrial, scientific or technological capabilities.</td>
<td>September 20, 1991</td>
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<tr>
<td>The Australian Sports Medicine Federation Research Awards Scheme</td>
<td>September 20, 1991</td>
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<tr>
<td>Young Investigators Award, Medical Students Prize, Best Conference Paper Award &amp; Last Journal Article.</td>
<td>September 23, 1991</td>
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<tr>
<td>NSW Cancer Council</td>
<td>September 23, 1991</td>
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<tr>
<td>Travel Grants-in-Aid</td>
<td>September 23, 1991</td>
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<tr>
<td>NSW Cancer Council</td>
<td>November 22, 1991</td>
</tr>
<tr>
<td>Awards for Postgraduate Education and Training in Oncology</td>
<td>November 22, 1991</td>
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<tr>
<td>Australian Academy of Science</td>
<td>November 22, 1991</td>
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### FELLOWSHIPS AND CONFERENCES

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<thead>
<tr>
<th>Grant Description</th>
<th>Closing Date</th>
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<tbody>
<tr>
<td>The Beniano Fellowship</td>
<td>August 15, 1991</td>
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<tr>
<td>To undertake study and research at St John's College, Cambridge.</td>
<td>August 21, 1991</td>
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<tr>
<td>The Harkness Fellowships</td>
<td>August 21, 1991</td>
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<tr>
<td>For study and travel in the United States.</td>
<td>August 21, 1991</td>
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<tr>
<td>Sir Maurice Byers Fellowship</td>
<td>August 21, 1991</td>
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<tr>
<td>Issues affecting Australian Police work.</td>
<td>August 21, 1991</td>
</tr>
<tr>
<td>The Fenner Conferences on the Environment</td>
<td>August 21, 1991</td>
</tr>
<tr>
<td>The Australian Academy of Science, call for Proposals for meetings in 1992 or 1993</td>
<td>August 21, 1991</td>
</tr>
<tr>
<td>Nuffield Foundation Fellowship Awards</td>
<td>August 28, 1991</td>
</tr>
<tr>
<td>Three month Fellowship in the U.K. - Curriculum development, teaching through Commonwealth themes, educational drama and performing arts.</td>
<td>August 31, 1991</td>
</tr>
<tr>
<td>DEET Visiting Fellowships, CSFP, AEAP &amp; AGAP</td>
<td>August 31, 1991</td>
</tr>
<tr>
<td>Commonwealth Scholarship and Fellowship Plan - Commonwealth countries.</td>
<td>August 31, 1991</td>
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<tr>
<td>Australian European Awards Program - European countries, except Greece</td>
<td>August 31, 1991</td>
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### Australia/Australian Awards

<table>
<thead>
<tr>
<th>Grant Description</th>
<th>Closing Date</th>
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<tbody>
<tr>
<td>ARC Australian Research Fellowships (Industry)</td>
<td>September 19, 1991</td>
</tr>
<tr>
<td>Australian Academy of Science</td>
<td>September 23, 1991</td>
</tr>
<tr>
<td>Frederick White Prize</td>
<td>September 26, 1991</td>
</tr>
<tr>
<td>Up to $3,000 for research in the Physical Sciences</td>
<td>September 26, 1991</td>
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<tr>
<td>1992 Gottschalk Medal</td>
<td>September 26, 1991</td>
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<tr>
<td>To recognize distinguished research in the medical or biological sciences by younger scientists.</td>
<td>September 26, 1991</td>
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<tr>
<td>1992 Pawsey Medal</td>
<td>September 26, 1991</td>
</tr>
<tr>
<td>To recognize outstanding research in experimental physics by younger scientists</td>
<td>September 26, 1991</td>
</tr>
<tr>
<td>Australian Academy of Science</td>
<td>October 25, 1991</td>
</tr>
<tr>
<td>Robert S McNamara Fellowships Program</td>
<td>No Closing Date</td>
</tr>
<tr>
<td>To support postgraduate research in areas of economic development</td>
<td>No Closing Date</td>
</tr>
<tr>
<td>National Campaign Against Drug Abuse</td>
<td>No Closing Date</td>
</tr>
<tr>
<td>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.</td>
<td>No Closing Date</td>
</tr>
<tr>
<td>Education and Training Foundation</td>
<td>No Closing Date</td>
</tr>
<tr>
<td>BHP Community Trust</td>
<td>No Closing Date</td>
</tr>
<tr>
<td>RADCAC Department of Community Services &amp; Health</td>
<td>No Closing Date</td>
</tr>
<tr>
<td>Medical research and targeted research areas</td>
<td>No Closing Date</td>
</tr>
<tr>
<td>Research Management Committee Travel Grants.</td>
<td>No Closing Date</td>
</tr>
<tr>
<td>Research Management Committee Research Visitors.</td>
<td>No Closing Date</td>
</tr>
<tr>
<td>Child Accident Prevention Foundation of Australia.</td>
<td>No Closing Date</td>
</tr>
<tr>
<td>Telecom Research Funding</td>
<td>No Closing Date</td>
</tr>
<tr>
<td>Wellcome-Ramacott Research Travel Grants.</td>
<td>No Closing Date</td>
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</tbody>
</table>

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.
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 cooperation".

"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."

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 their Chancellor. +++

BE COUNTED
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.
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.

SAS

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