



BULLETIN

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University Announces Medal Winners

The University has announced the winners of its University Medals which will be awarded at this year's Graduation ceremonies.

A total of six medals will be presented, three of the recipients being from the Faculty of Arts and one each from the Faculties of Architecture, Engineering and Science and Mathematics.

The winners are:

University Medal in Architecture - Tan Chye Hin of Wallsend

University Medal in Philosophy - Barry Hodges of North Lambton

University Medal in History - Lindy Henderson of Newcastle

University Medal in Psychology - Bruce Tulloch of Chener

University Medal in Electrical Engineering - Wayne Wolfgang of North Lambton

University Medal in Biology - June Roberts-Thomson of Lorn

The Vice-Chancellor, Professor Keith Morgan, said the Medals are awarded annually to graduands who, in addition to achieving First Class Honours, display outstanding ability in the subject area.

"The Medals represent an outstanding academic achievement by each student and my congratulations go to each of the winners," said Professor Morgan.

"The criteria for awarding of Medals is stringent. Each graduand's record throughout their degree course is taken into account, but particular regard is paid to their achievement in the final year of the course.

"Submissions are made to the Faculty, normally by a Head of Department, for consideration and then a Medals Committee reviews all recommendations.

"Our six winners can be more than pleased with their performance and their graduation should be a highlight of their study at Newcastle University," said the Vice-Chancellor.

The Medals are being presented at the 1991 Graduation which were held last weekend and on the coming weekend. More than 2,500 graduands are receiving their awards during the eight Graduation Ceremonies.

Students Receive Major Scholarships



Pictured from left to right - Ms Margaret McEniery, Ms Del Steves, Kylie Rae, Nicole Maddison and Ms Trish Jacobs

Two School of Health students have received a major financial boost for their studies after being awarded scholarships by Tomago Aluminium Company Pty Ltd.

Kylie Rae, a second year Nursing student, and Nicole Maddison, a second year Occupational Therapy student, each received \$500. An equivalent amount will be awarded for the third year of their studies providing they achieve a satisfactory academic performance this year.

The two were recently presented with their scholarships by the Occupational Health Officer for Tomago Aluminium, Ms Del Stevens. Those who attended the presentation ceremony included the Director of the School of Health, Assoc Professor Jenny Graham, the Dean of the Faculty of Nursing, Ms Margaret McEniery, the Course Director for Occupational Therapy, Ms Trish Jacobs, the Course Director for Nursing (Undergraduate), Ms Marilyn Pedder, and the families of the recipients.

Tomago Aluminium has been a consistent supporter of the University and has been

providing scholarships for university students since 1985.

Assoc. Professor Jenny Graham said the scholarships reflected the relationship between health education and industry in addition to students striving towards academic and professional excellence.

Kylie, who is enrolled in the Diploma of Health Science (Nursing) and Nicole, a Bachelor of Health Science (Occupational Therapy) student, both thanked Tomago Aluminium for their scholarships. Kylie said the scholarship provided a great incentive to continue her studies while Nicole said the scholarship would go towards fees and text books costs.

Tomago Aluminium up until this year has awarded annually two scholarships to students enrolled in the Diploma of Health Science (Nursing) course but chose to include the Occupational Therapy course for its 1991 awards. The recipients are selected on academic merit and also must reside in a locality near to the company's main plant at Tomago.

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New Building to be known as Chancellery

The new University administrative building will be known as the Chancellery.

The University Council approved the name after discussion at its April meeting.

Several members suggested that a title such as "Administration Building" would be more descriptive of the building's purpose and would answer the question usually asked by visitors seeking the building which houses the administration.

It was also suggested that

Newcastle was, by tradition, a plain-speaking community and such a name might be better accepted.

The Vice-Chancellor, Professor Morgan, said that if Newcastle were to have a University, its students ought not to be denied the full depth of tradition that went with it. The Universities of NSW and New England have a Chancellery and the ANU a "Chancelry".

It was also suggested that, if the principles implicit in some suggestions were to followed, the Libraries

ought to be renamed "the buildings where books are kept".

Ms Rappell suggested that, as part of acquainting students and visitors with the structures of the institution, it would be beneficial to recognise that the University does have a Chancellor and other executives whose powers are specified and whose titles are recognised by legislation. The title Chancellery would be an effective way of doing that.

After discussion about spelling - "Chancellery"

means the seat of the Chancellor, "Chancelry" the seat of the chancel, or mace - Council adopted the name Chancellery.

Council also decided to rename the building known variously as the Hunter Administration Building or "the pink building".

This will be known as the Bowman Building, in recognition of the contributions made by Mrs Margaret Bowman as President and Vice-President of the Hunter Institute Council and as a member of the University Council.

Council - April 19

The University Council has approved three new degree courses, in Environmental Engineering and, subject to the resolution of resource implications, Physiotherapy, Medical Radiation Technology and Nursing.

The Bachelor of Nursing course was the subject of some discussion because of the method of funding nursing studies: courses are currently funded by State Governments but, from 1994, will be funded by the Commonwealth.

Council agreed that the current Diploma of Health Science (Nursing) could not simply be "slid up" to a degree course, and a degree course would require teaching and study of a different calibre in some areas.

The diploma course will continue for some time in parallel with the degree course.



Council approved the establishment, for legal reasons, of the University Conservatorium as an Institute.



The University has, since 1989, accepted the Foundation Certificate of the University of NSW as a basis for admission to this University. However, Academic Senate reported to Council that it was satisfied of the viability of a Foundation Certificate course for fee-paying overseas students and, mindful of the need to recruit such students recommended a Foundation Course as part of the pre-matriculation courses to be offered by this University from 1992.

This was approved in principle by Council.



Council noted a report from the Deputy Vice-Chancellor (Academic), Professor Carter, of the Law Advisory Committee, recommending that admission to the course begin in 1993.

The Committee recommended that the law course take one form of a combined degree; and that there be no admissions to the existing BLA degree in 1992, in order to concentrate resources in developing the L.I.B. program.

Professor Carter said there were serious resource implications in establishing a Law degree course - it would require probably 11 extra staff in its first six or seven years, and \$1 million to establish its library - but, if Council had a vision of where the University was going to be in several years, then a Law course was almost certainly part of that vision.

Informal discussions with possible candidates for the position of Foundation Dean were proposed, with a view to a formal Selection Committee meeting later in the year.

Council will receive a further report at its next meeting.



The Physical Planning Committee has assured the Head of Biological Sciences, Professor Rose, that appropriate accommodation will be found before it removes the temporary building where his Department is now housed. The Committee has also approved the siting of a temporary building as requested by the Professor of Building, Professor McGeorge. Both steps were noted by Council.



Academic Senate

A number of steps to alleviate traffic problems around campus were outlined by the Vice-Chancellor, Professor Morgan, to the Academic Senate on April 24, including the installation of traffic lights at the main eastern entrance.

He said traffic was "one of the topics least possible to ignore" at the University.

Professor Morgan said the appropriate permissions to erect lights existed but the cost - \$80,000 - should probably not have to be borne by the University.

Lights would be of benefit not only to the University, but also to other users of the road. He said the RTA should face up to a problem which was, at least in part, caused by its own road design, and that the City could be reasonably expected to contribute towards the safety of citizens.

While the suggestion might not be welcomed warmly, it would probably be received better in the light of this year's even heavier traffic than it would have been even last year.

The Physical Planning Committee was seeking means to create a roundabout at the top of the

western entrance, where congestion is now severe, but this would also cost money.

While it had been suggested the ring roads should become one-way, consideration of how to implement such a change had not even really begun.

◆◆◆
Academic Senate has approved plans to establish prizes and grants for teaching.

The Deputy Vice-Chancellor (Academic), Professor Carter, said it was hoped to offer several prizes of up to \$5,000 annually for outstanding teachers within the University.

Consideration of candidates for these prizes should not be confused with performance evaluations or other processes, he said. It was envisaged that a Teaching Committee, analogous and complementary to the Research Management Committee would administer the prizes and grant scheme.

The proposal that teachers should nominate themselves for prizes was queried, and Professor Carter accepted it should be possible for others to nominate a teacher. However, it was difficult for anyone but the individual himself or herself to present evidence about teaching skills.

He added that modesty did not seem to hinder applications for research grants.

Professor Morgan said during the discussion that, although there might be difficulties in finding funds to support the scheme, he would be disappointed if the Senate did not vote to proceed towards a system of rewarding excellence in teaching, to begin under the 1992 budget.

◆◆◆
The Deputy Vice-Chancellor, Professor MacDonald, indicated to Senate that he would resign before the next Senate meeting to concentrate on his appointment as Dean for Research.

◆◆◆
Senate approved a new composition and broader terms of reference for the Bookshop Liaison Committee.

It will now have one member nominated by the SRC, a chairman and 13 members, one nominated by each Faculty. Its terms of reference are, "Liaison with campus bookshops on matters affecting members of the University."

Associate Professor Fredman has indicated his willingness to continue as Chairman.

Fine Arts Lecturer Gains Prestigious Commission

In a break from traditional design, the Australian Customs Service has commissioned University Fine Arts lecturer and well known sculptor, Vlase Nikoleski, to design a new crest which will be displayed on Customs buildings around Australia.

Vlase, who has been working on the crest for some time, says the design is a break from the traditional British style crest to something that is very Australian in flavour depicting in a stylised way, the elements of our culture.



Vlase Nikoleski

He says the bronze crest approximately one metre in diameter, incorporates the blossom of wattle, gum leaves and will feature the kangaroo and emu in a sculptural design. It also features lighting which will highlight several forms creating the image of an island and indicates water.

"The Australian Customs Service is normally a very conservative organisation and I am pleased that they have put their faith in me," said Vlase.

"I have cast the original from which I have made a rubber mould. From this, multiple copies will be produced for Customs buildings throughout Australia.

"The original, which will be completed by June, will be attached to the Australian Customs headquarters in Canberra. An official opening will take place mid-year.

"It has been an exciting project for me as the brief contained certain elements that had to be complied with. However I have been able to put the stamp of my own style on it," he said.

Looking Ahead

The time has come for the University of Newcastle to consider seriously its long-term future, according to the retiring Deputy President of the Academic Senate, Professor R.J. MacDonald.

Speaking at his last meeting of the Council before taking up the position of Dean for Research, Professor MacDonald said there were several questions the University ought to address:

what size is the University to be?

what will the relative developments of Shortland and Ourimbah be, and how will the University ensure they are funded?

what space does the University need, and what are the advantages of moving towards technology parks, for example?

what will the University's

profile be in the year 2000, and should the University concentrate on its advantages in fields such as medicine, the arts, science and technology, to develop innovative programs?

what is the University's role in terms of technology development in the region? In NSW? And in Australia?

what will be the direction of international student exchange programs?

what structure will best meet the goals which Council would set if all these questions were answered?

The Vice-Chancellor, Professor Morgan, said Professor MacDonald had set the University a challenge which deserved to be taken up.

Without discussing details of the particular questions, the other members of Council agreed that no single mecha-

nism existed within the University to address adequately questions of such long-term policy but that they should be addressed.

As a result, the Vice-Chancellor has been asked to bring to the next Council meeting a plan for working groups involving Council members, academic staff and possibly members of the general community to begin work on the development of University policy in regard to these important questions.

Professor MacDonald's contribution came during debate on the possible purchase of land at Warabrook.

Council decided that the University was not interested in purchasing the land at the price being quoted. Possible purchases in the future would have to be examined in the context of the sort of long-term policy about which Professor MacDonald had spoken.

Amendments to 'Master Plan'

A variation to the "bushland theme" in campus planning has been approved, to take account of buildings and other structures imposed on the campus landscape.

The University Council accepted at its April meeting that the site Master Plan should be amended to make clear that, "while the University accepts the Master Plan's broad vision for continuation of bushland theme, the natural bushland should be complemented by modified landscape treatments in areas where the built environment has developed".

The Physical Planning Committee recommended the change, saying it concurred with the view that man-made gardens and other features could be considered an appropriate response in those areas defined by man-made structures.

The amendment was one of

several recommended after the Committee received responses from the University community to the Master Plan.

The committee endorsed the plan for buffer zones in the Master Plan, but recommended that some be upgraded to Nature Reserves, in order to protect the creek system on campus.

It also noted several submissions concerning access for staff and students with disabilities, and recommended that the Master Plan include a statement indicating the University's commitment to the provision, where practicable, of adequate disabled parking near buildings, paths and access routes free of stairs, provision for disabled students in student accommodation, and aids for the visually impaired.

The committee also recommended that provision be made for an optical fibre loop,

to ensure uninterrupted computer communications.

It recommended changing the Master Plan to allow for a roundabout where the western entrance road meets the ring road. The Committee is monitoring the effect of newly installed "Give Way" signs at the present junction, to see whether congestion is reduced by giving priority to vehicles entering the grounds.

If the University proceeds with plans for a ring road system running outside all parking areas, the committee recommended that it run eastward from this proposed roundabout to another roundabout at the south-east corner of the major eastern car park; with a side road running north along the creek, this would allow the closure of the existing ring road along the northern side of car park number 2.

If the ring road continued west from the proposed

roundabout along the south side of car park number 1, then north alongside State Highway 23, the existing road from car park number 1 around the Great Hall could also be closed.

The major car parks would then lie within the ring road system.

The committee further recommended that the Master Plan be amended to allow existing car parks on sloping ground be extended outward, to create "undercroft", multi-level parking.

The possibility of bringing buses onto campus will be further investigated with the State Government, and the Vice-Chancellor will ask Shortland County Council to include in its long-term planning the removal or relocation under ground of the power lines on the southern side of the University.

New Law Would Abolish Visitor

The role of the Visitor to the University would be abolished under a Bill before the NSW Parliament.

This is one of several changes contained in the University Legislation (Amendment) Bill, introduced into the Legislative Council on April 18 by the Minister, Mrs Virginia Chadwick.

Speaking to the Bill, Mrs Chadwick said its purpose was to amend each of the nine public university Acts of NSW, in order to: simplify and rationalise the powers to make by-laws and rules; abolish the office of Visitor; and change leasing powers.

She said the proposed abolition of the Visitor's role had been canvassed with the Governor, who, since 1989, has been Visitor to all the NSW universities - and he had indicated his agreement.

While the number of cases within the Visitor's jurisdiction was historically small, she said, some well publicised cases had drawn the Governor into complex disputes and placed him in the difficult

position of having his visitorial adjudication subject to review by the courts.

"From a practical standpoint, if the Visitor is to be involved with matters which lie within the jurisdiction of the courts and these can be dealt with adequately in that arena, it is difficult to justify a special jurisdiction," Mrs Chadwick said.

Both the Attorney-General and the Solicitor-General had recommended that the jurisdiction be removed.

Universities had mechanisms for settling disputes, from grievance procedures to formal appeals. Some had an internal ombudsman, while the State Ombudsman had jurisdiction in all nine universities.

The Bill would also allow universities to enter leases without the approval of the Minister, where the term of the lease is 25 years or less. The purpose, Mrs Chadwick said, was to recognise that the benefits of leasing could be other than financial: joint research projects, for instance,

could result in access to information and facilities which might far outweigh the potential financial benefit.

Mrs Chadwick said many universities had expressed concern at the time taken to effect a by-law under the existing system, which identifies 36 areas for which by-laws may be made.

The governing body must adopt the proposal, which must then be submitted to the Minister; the by-law must then be drafted by Parliamentary counsel, submitted to the Governor for approval, published in the Government Gazette and tabled in Parliament.

The Regulation Review Committee of the NSW Parliament had recognised that this was unwieldy and that many matters should be left to the unfettered discretion of the universities.

The universities can make rules, instead of by-laws, but only in the same 36 areas. As a result, universities had tended to make by-laws covering matters of purely

internal governance, such as admission to courses, the appointment of committees and the constitution of convocation.

Mrs Chadwick said the amendments, to make it easier for a university to create rules covering internal matters, would require the university to publish rules, make them available for inspection, and indicate the authority under which they are made. A rule would not become effective until published.

The biggest change, she said, was that rules could be made under the proposed legislation to cover matters other than the regulation of by-laws. Some areas would remain where by-laws were the required form of regulation, and rules could not be made in these; conversely, by-laws could be made, if necessary, to cover areas regulated more normally by rules. A by-law would have to be passed to delegate the rule-making power to bodies within the university.

The debate has been adjourned.

Great Interest in New Senior Studies Syllabus

The number of high schools in the Hunter Region which could introduce a new senior studies syllabus in Personal Development, Health and Physical Education may reach about 35 next year following a workshop at the University.

Nine high schools implemented the new syllabus this year and indications from the recent workshop show that the number could treble or quadruple for 1992.

A Board of Studies Inspector in Personal Development, Health and Physical Education, John Miller, said he was

pleased with the response to the workshop which was attended by 70 teachers from 39 high schools, university staff and representatives from the Department of Education.

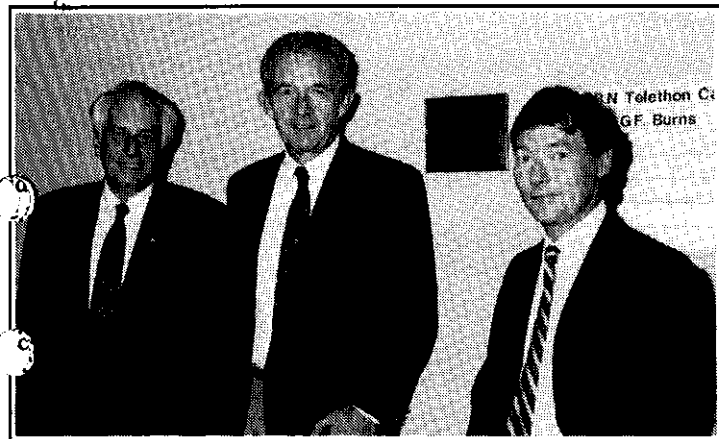
The workshop was designed to increase the awareness and understanding of the syllabus, structure, appropriate resource availability, specific unit programming, assessment procedures and facilitate the establishment of effective teacher networking to generally assist in course planning and implementation.

One of the workshop co-ordinators, University Lecturer, Kerry Thompson said staff were interested in the new syllabus because it provided foundation studies for Year 11 and Year 12 students in high schools which could assist in tertiary studies in Health-related courses and Physical Education.

Mr Miller said that one of the benefits of the workshop was the formation of two groups. The first group contained representatives of schools already teaching the new learning area and the other contained representatives of schools who were interested in introducing the syllabus.

"The groups were informal but a lot of good information was passed around," said John. "There will now be follow up action such as in-service and the sharing of ideas in addition to mutual support meetings in future months."

NBN Cancer Research Unit opened by Sir Gustav Nossal



Pictured at the official opening of the NBN Cancer Research Unit are Sir Gustav Nossal, Dean of the Faculty of Medicine, Dr John Hamilton and Director of the Cancer Unit, Professor Gordon Burns.

The Unit which is located in the David Maddison Wing of the Royal Newcastle Hospital, was funded with funds raised by the people of the Hunter Region through three telethons conducted by local television station, NBN 3.

The telethons, which raised \$8 million in total, have provided the funds to establish the Research Unit and also establish a Chair of Cancer Research at the University.

As he officially opened the Unit, Sir Gustav said that funds are not always readily available for such purposes through local or State government, but that Newcastle should be proud that the community got behind the project.

He said that the Unit was involved in the two most important strands of cancer research: control of the spread of cancer cells and the study of genes which control the switches.

Professor Hamilton said that Sir Gustav had been a constant source of support and a mentor in advising how to set up the Unit.

Sir Gustav is Director of the Walter and Eliza Hall Institute of medical Research in Melbourne and is considered to be the leading scientist in Australia and the world. He is the winner of the 1990 Albert Einstein World Award for Science.

After the official opening, Sir Gustav delivered a speech entitled 'Australia's Role in the Worldwide Fight Against Cancer'. In the enlightening and inspired speech, he said that "We've got a long way to go in cancer research. We've got to work harder and we've got to work smarter."

The BULLETIN will feature an article about the NBN Cancer Research Unit in the next issue.

Co-operative Research Centres

The second round of applications for Co-operative Research Centres has been invited. Information booklets outlining the scheme and the method of application are available from the Office for Research (contact phone 5302). A successful application will require both a committed industrial partner and real resources over and above salaries and other in kind offerings, from the University. Any group wishing to consider lodging an application is invited to discuss the arrangements with Professor MacDonald, Dean for Research, or with the Vice-Chancellor. The University is likely to order its possible commitments in terms of priorities.

The first round of CRC's were recently announced and it was then stated that the following were the essential elements on which the success of a CRC application was assessed.

1. Research excellence - the excellence of both the existing research and the researchers involved.
2. Co-operative Nature of the Centre - applications must clearly demonstrate real co-operation both in research and development.
3. Educational aspects - a Centre must make a real contribution to enhancing education and training, particularly postgraduate training, in the area of expertise of the Centre.
4. Application to Industry - there must be a commitment to applications involving industry and to technology transfer to industry. There must by inference be a demonstrable likelihood of such technology developing for transfer to occur.
5. Management, budget arrangements - it seems that substantial importance has been placed on the procedure for managing the Centre and ensuring the budget is realistic.

Those interested in making a submission should keep these points in mind.

The original plus one copy should be submitted to the Office for Research by June 24, 1991.

R.J. MacDonald,
Dean for Research.

Visitor from Germany



Dr John O'Connor pictured with visiting physicist from Germany, Dr Helmut Liebl.

The Ion Surface Group of the Department of Physics has had the significant benefit of the expertise of a German physicist during his recent visit to the University.

Dr Helmut Liebl, an internationally recognised expert in the focussing of charged particles, has recently retired from the Max-Planck-Institut for Plasma Physics in Garching, Germany after a 35 year career in instrument design and application. During his visit to the University he designed a new ion optics system for use in Secondary Ion Mass Spectrometry (SIMS) which is under continual development by Dr Bruce King.

SIMS is a technique whereby a surface is bombarded by a beam of energetic ions. These ions have an impact similar to that of a marble fired into a collection of marbles, where some will be ejected. The ejected ions in SIMS are collected to determine their mass. From that information the composition of the surface can be determined. One aspect of Dr King's research has been to study the limits of the depth resolution of SIMS and to attempt to reduce these limits. With the assistance of the equipment designed by Dr Liebl the lateral resolution can now be improved to less than a micron. (A micron is one thousandth of

a millimetre.)

Head of the Department of Physics in the Faculty of Science, Dr John O'Connor, said Dr Liebl's contribution is important not only in terms of fundamental research but also in applied areas. The resolution we can now achieve is equal to the best comparable commercial systems in the world. It will allow the application of this facility to technologically significant research areas previously denied to us. It can now be applied to semiconductors, material science, geology and other areas where the structure of a solid varies over a fine scale at the surface and in the bulk.

Dr Liebl's visit was funded from a Research Excellence Grant made by the Research Management Committee to assist in upgrading the resolving power of the equipment used by the Ion Surface Group.

Dr Liebl was accompanied by his wife and they enjoyed the tourist attractions of the Hunter Region. They spoke most highly of the beaches and wines in particular and, during a two week break they toured Adelaide, Alice Springs and Darwin.

Dr Liebl is the author of over 90 refereed publications and is currently writing a book on Ion Probe Microscopy.

Eminent Speaker for the Institution of Engineers

A speech entitled 'Control Engineering from 17th to 21st Century' was the highlight of a Dinner in the Hunter Technology Centre organised by the Institution of Engineers in association with the Department of Electrical Engineering at the University.

The speech delivered by Professor Brian Anderson, described how control engineering began, its current developments and future directions.

Professor Anderson divided the development of control engineering and science into four main epochs.

He said through the 17th and 19th centuries, control was primarily applications driven, but stability and offset error problems were specifically defined. The tackling of these problems was not undertaken until the period 1900-1955 when control engineering as a discipline came into existence.



Professor Graham Goodwin (left) pictured with Professor Brian Anderson during the Newcastle visit.

He said major developments between 1955 and 1990 include sample-data control, linear quadratic optimal design and adaptive control.

"The future will be in part, applications driven, while current theoretical areas of interest also give some pointers," said Professor Anderson.

Professor Anderson took advantage of the visit to renew old friendships as he was Professor of Electrical Engineering at the University of Newcastle for 15 years before taking up a position at ANU in Systems Engineering, a part of ANU's Research School of Physical Sciences and Engineering.

He is credited with being the youngest person to become a professor in Australia, having achieved this status at the age of 26.

Professor Anderson studied Electrical Engineering and Science at the University of Sydney and received his PhD in Electrical Engineering from Stanford University in California.

Professor Anderson also gave a talk during the afternoon to staff and postgraduate students on Decision Feedback Equalisers which are currently used in communication systems.

Novel Event



Professor David Frost, his wife, Christine Mangala and the Lord Mayor, Ald. John McNaughton, pictured after the opening.

More and more frequently, events are bringing the University and the City of Newcastle together, according to the Lord Mayor, Alderman John McNaughton.

He was speaking at such an event, the launching of Professor David Frost's first novel, *The Deed's Creature*, and the opening of an exhibition of works by Krysten Walker, who

designed the book's cover and the landscape painter Graham Cox.

Alderman McNaughton said he was delighted that three artists of such calibre were citizens of Newcastle.

He admitted that he found launching Professor Frost's novel a challenge. Although an avid reader, he was by profession a surveyor and hesitated in the company of many of Professor Frost's colleagues to comment on the literary merits of the work, though he had found much to admire in the author's technical skill.

He noted that Krysten Walker's clay sculptures for the book's dustjacket,

while not naturalistic, captured the essence of the novel's richly drawn characters.

Graham Cox's majestic landscapes and seascapes, which dominated the foyer of the Great Hall, spoke for themselves, Alderman McNaughton said.

In an unusual arrangement, Graham Cox and Krysten Walker, who are husband and wife, were commissioned by Aquila Books, to prepare cover art for two books, *The Deed's Creature* and *The Firewalkers*, by Christine Mangala - who is married to Professor Frost. Preparatory work for *The Firewalkers* was also on display.

Professors Visit Social Work Department



Pictured from left - Assoc. Prof. Richard Roberts, Professor Thea Brown, Ms Jo Gaha and Professor Brian English.

Professors Visit Social Work Department
Professor Thea Brown of Monash University and Associate Professor Richard Roberts from Charles Sturt University visited the Department of Social Work for a series of meetings on Tuesday, 23rd April.

Professor Brown, a native of Newcastle, worked at the Royal Newcastle Hospital after graduating in Social Work from the University of Sydney. More recently as Chairperson of the Heads of Schools of Social Work in Australia she participated in planning discussions for the introduction of Social Work

at the University of Newcastle.

Associate Professor Roberts also participated in the advisory meetings prior to the establishment of the course in Newcastle.

Throughout their visit, Professors Brown and Roberts held discussions with staff and students of the University. They also met with Senior Social Workers from the Region and with a number of students enrolled in distance education programs in Social Work from their respective universities.

International Study Tours

The David Syme Management Education Centre is offering three international study tours in 1991.

China for Australian Local Government

The Centre will draw upon its staff's extensive involvement with China over the past seven years and its many valuable institutional and personal connections within government to design a unique study tour for the Australian local government community.

Departs: August 31, 1991

Duration: 21 days

Cost: \$4,600

Destinations: Guangzhou, Guilin, Hangzhou, Shanghai and Beijing.

North America for Professional Educators

This study tour, with Dr Michael Gaffney, focuses on contemporary issues in the study and practice of educational leadership, school-based management, educational innovation and school improvement. Dr Gaffney has had considerable experience with educational research in North America, having obtained his PhD in Educational Administration from the University of Alberta, Edmonton. He currently lectures in educational policy and administration at under-graduate and graduate levels.

Departs: September 26, 1991

Duration: 19 days

Cost: \$5,000

Destinations: Honolulu, San Francisco and Los Angeles in the USA; and Edmonton, Jasper, Banff and Vancouver in Canada.

Mexico and US West Coast for Librarians, Booksellers and Publishers
Led by Dr Nancy Lane, the tour will focus of co-operative development, innovative marketing and the application of technology to librarians and the book industry. Dr Lane is Development Officer at the Australian Academy of Science and formerly Head of the Centre for Library and Information Studies at the University of Canberra. She is author of several books and articles and has a PhD from the University of California. Dr Lane recently spent a year as a Visiting Scholar at the University of Washington. In 1988 she was guest speaker at the International Book Fair in Guadalajara.

Departs: November 23, 1991

Duration: 19 days

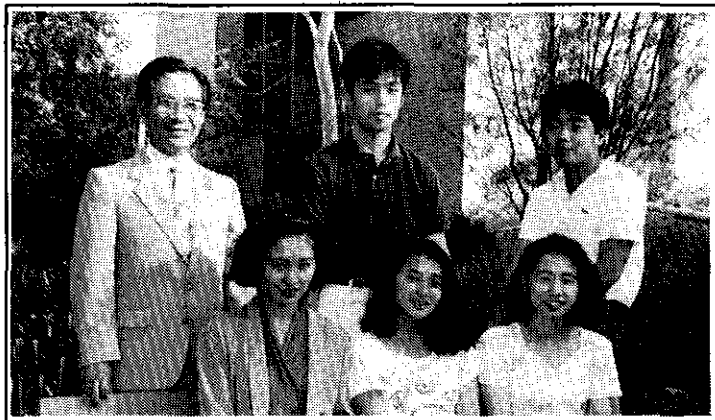
Cost: \$4,950

Destinations: Guadalajara, San Francisco, Portland and Seattle.

The cost of the tours includes all transport, accommodation and meals and are arranged so that the expenses incurred should qualify for treatment as a tax deduction.

For more information and booking details, contact Patricia McNamara, Director, International Study Tours, David Syme Management Education Centre, Fern Hill Technology Park, Bruce, ACT 2617. Telephone (06) 253 2099.

Student Exchange with Japan



A student exchange scheme which has operated between the University of Newcastle and Kumamoto University in Japan for the past 13 years has seen participation by 40 students over the time.

The 40 students have participated in the scheme under scholarships awarded by the Japanese Ministry of Education.



This year we have welcomed five students from Kumamoto University. They are studying English as a Foreign Language, English Literature, Linguistics, Sanskrit, German, History and Law.

At present, Jennifer Brake is studying at Kumamoto University under this scheme.

The Japanese Section of the Department of Modern Languages has, in association with the Faculty of Education, established a second student exchange scheme with Tokyo Kasei University. Under this scheme, three students from each University are exchanged for one semester each year. Students from Tokyo Kasei are studying such subjects as English, Psychology and Home Science. Those studying at Tokyo Kasei are Kelly Vollmer, Sun-mi Choi and Tanya Pynth.

The Head of the Japanese Section, Professor Kiyoharu Ono, said a third exchange scheme for students is expected to start with the Ube Junior College as its partner in Semester II this year.

"These exchanges are valuable as they not only provide educational opportunities, but cultural ones as well," Professor Ono said.

(top) Professor Ono pictured with visitors from Kumamoto University (front row) Yukiko Sakai, Kazuki Maeda, Ayako Katozumi. (Back row) Karuki Kojima and Seishi Yoshizumi.

(Above) Professor Ono (rear) pictured with visitors from Tokyo Kasei University, Miwako Watanabe, Yuko Shibasaki and Naoko Ogata.

Higher Degree Report

A doctoral thesis, entitled, 'Potential Energy Surfaces and Vibrational Band Origins of Triatomic Alkali Metal Cations' has involved research in the field of quantum chemistry. The thesis by Ms Deborah Searles has been undertaken in the Department of Chemistry under the supervision of Dr Ellack von Nagy-Felsobuki, who is well known for his work in the field of theoretical chemistry.



Deborah Searles - PhD at this year's Graduation ceremony.

Deborah's research involved the modelling of the vibrations of four triatomic alkali metal cations.

Theoretical modelling of molecular systems is important for the development of spectroscopy and for understanding the bonding and motion of these systems. Modelling also aids the experimental detection of postulated chemical species. Due to the relative simplicity of the structure of triatomic alkali metal cations, they are ideal candidates for theoretical studies.

The triatomic alkali metal cations are also predicted to be of technological importance. Some applications for alkali metal vapours include their use in lamps for high resolution optically pumped lasers, thermoelectric solar energy converters and their use in fusion reactor design.

Small cations can be detected and identified by observing the frequency of their characteristic vibrations. For example, the triatomic hydrogen cation was identified by using a tunable infrared laser to measure its infrared absorption spectrum. Its detection was facilitated by the availability of ab initio calculated properties. Although few alkali metal vapours have been identified, quantum chemical calculations predict the above species to be stable.

For the purpose of their identification and characterisation we have therefore calculated vibration properties.

From quantum chemical calculations, the positions of vibrational band origins, the character of the vibrations, the intensity of peaks and lifetimes of excited states were predicted.

Deborah says she found this work extremely interesting enabling her to gain an appreciation of quantum chemistry.

"The project involved the development of theory and computer programs in order to model the molecules of interest," she says.

Deborah now holds a postdoctoral position at the University of Basel in Switzerland where the research group, headed by Professor Hanspeter Huber, is using molecular dynamics simulations to model the structure and dynamics of liquids composed of small molecules, such as water. This work is partly based on quantum chemical calculations and is thus related to the study of vibrations of small molecules.

Deborah will receive her PhD at this year's Graduation ceremony.

Blackfriars, as the 'Gilbraltar' of Correspondence Schools

Associate Professor John Ramsland presented the Presidential Address at the Australian and New Zealand History of Education Society's Annual Conference at the University of Auckland as the culmination of his year as the Society's President.

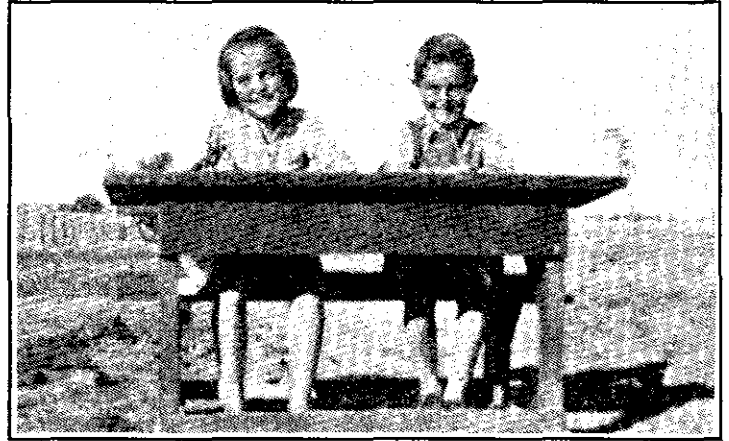
His address, entitled 'In the lonely silent places: The Correspondence School at Blackfriars, 1924-1964', dealt with the development of the correspondence school at the former Blackfriars Public School, Opendale, from 1924 through to the late 1960's when it was removed to an office building in William Street, Kings Cross.

The Correspondence School at Blackfriars provided schooling for a vast number of isolated homebound children in various parts of

the state and beyond during the period. In 1936, for example, the total enrolment was 7,463.

Among the children enrolled in the early 1920's was the famous Australian poet, Judith Wright.

Members of the School included children on isolated homesteads and farms; children belonging to travelling circus families, travelling side-show families and theatrical companies; children who lived in light houses; children whose parents were itinerant workers; and the children of overseas diplomats, administrators, church missionaries and military personnel. Older students from prisons were also enrolled in the 1940's and 1950's at the primary and secondary levels.



Outback members of the Correspondence School, Blackfriars.

The paper examined in particular the uniquely close and positive relationship established, over vast distances, between the correspondence teacher, the supervising parent and the child, as well as the outstanding educational leadership and administrative skills of its two Headmasters during the period - Mr Walter Finigan and Mr M.H. (Harry) Kellerman. Finigan was at the Correspondence School from 1918 to 1949 (31 years as Headmaster) and Kellerman was there from 1938 to 1963 (26 years as Deputy Headmaster and Headmaster), providing a remarkable continuity of service at the same school. They both contributed significantly to the school's special ethos.

By the late 1930's, Blackfriars had gained a well deserved international

reputation as a leading correspondence school for school-aged children. After World War II, UNESCO used it as an ideal model for the provision of distance education in the developing world. As well as a rich variety of written records, the oral testimonies of Mr Kellerman*, as retired Headmaster, and Miss Kathleen Price, who retired as one of the Supervisors of the Correspondence School in 1965, were used by Professor Ramsland in the preparation of the paper.

Professor Ramsland is keen to hear from ex-pupils and other ex-teachers of Blackfriars as he is currently preparing a book on the subject.

* Mr M.H. Kellerman is the father of the recently retired Dean of Research, Professor Geoffrey Kellerman.



Mr M.H. Kellerman (left) at work with a colleague at the Correspondence School, Blackfriars, in the mid-1950's.

Chile Visit - Professor G J Jameson

Professor Graeme Jameson of the Department of Chemical Engineering has recently returned from a visit to Chile, where he gave a short course at the Technical University in Valparaiso. The course, on recent progress in flotation technology, was attended by 55 engineers and metallurgists from universities, industry and government research establishments throughout Chile.

Following the course, Professor Jameson visited two copper mines where new Australian flotation technology is being evaluated, using pilot plants constructed in Newcastle. One is at Andina, in the heart of the Andes mountains, where the mine and its associated buildings are all underground

because of the absence of any flat ground and the consequent certainty of avalanches in winter.

The other, at Chuquicamata, is in the centre of an arid desert where in places, no rainfall has ever been recorded. Chuquicamata is the world's largest mine, and is an important element of the Chilean economy, underpinning the massive social reforms now underway in Chile.

At each mine, Professor Jameson gave training to local personnel in the application of his new flotation technology for the extraction of copper and molybdenum.

Soil Erosion Research Applied to Uranium Mine

A Research Fellow from the Department of Civil Engineering and Surveying, Dr Garry Willgoose, has recently been invited to apply some of his soil erosion and geomorphology research to the rehabilitation design of the existing Ranger uranium mine in the Northern Territory, which is situated on the edge of the environmentally sensitive Kakadu National park.

His computer model predicts the spatial distribution of erosion and the development of gully erosion over time and will be used to examine the stability of proposed designs for storage of waste material from uranium mining and processing.

The Federal Government requires that the spoil heap be stable for 1,000 years so that radionuclides do not contaminate adjacent areas such as the nearby Kakadu National Park. Garry's erosion model is the only one in the world capable of calculating the erosion on the spoil heap and the changes in the spoil heap over time resulting from this erosion.

In a related development, Garry is also negotiating a substantial Newcastle component in a \$700,000 study aimed at understanding the runoff and erosion processes which occur on rehabilitated mine spoil heaps. Part of this project will require the development of computer aided engineering tools for the Queensland coal industry which will help to better design the reclamation of open-cut mines. This will allow the mining industry to more effectively, and economically, rehabilitate open cut mines and spoil heaps, while reducing soil erosion problems.

This work on mine rehabilitation is a spinoff of more fundamental research aimed at understanding the

interactions between the rainfall runoff, the erosion response of the landscape and the shape of the landscape. Garry began this work as a PhD student in the Department of Civil and Environmental Engineering at the Massachusetts Institute of Technology (MIT) in Boston. There he sought an answer to the question, "If floods and erosion, flooding and landscape form over time?" To answer this question he developed a computer model which simulates the evolution, over many thousands of years, of the landscape and the erosion and flooding which occurs on it. These calculations were performed on one of the fastest computers in the world, a CRAY supercomputer at Pittsburgh Supercomputing Centre.

The mining reclamation problem was a logical extension of this work because the knowledge of why natural landscape looks like it does can be used to design the artificial landscapes of a rehabilitated mine to produce landscapes which are in equilibrium with the natural environment.

Garry, who completed his PhD at MIT in Boston in 1989, is a member of the water resources and environmental engineering group in the Department of Civil Engineering Surveying. This group also includes academic staff, Drs. Wal Field, George Kuczera and Brian Williams and research students Martin Lambert, Paul Raper and Wan Sing. He is currently funded by an Australian Water Research Advisory Council Research Fellowship until 1992 with the aim of extending his basic theoretical research into the interaction between the geomorphology and hydrology of landscapes.

Garry turned down a



Dr Garry Willgoose

number of attractive opportunities in the United States and Australia to come to Newcastle. He says he chose to come to Newcastle because at that time the Engineering School had some of the best computer facilities in Australia and the Civil Engineering and Surveying Department has an international reputation in water resources.

On the strength of his PhD research he was recently invited to submit a paper for a special issue of a major international journal reviewing state-of-the-art analysis techniques in geomorphology. His PhD research was also recently featured in a report, by the US National Research Council to the US Congress, devoted to 'highlighting promising research topics in hydrology'.

Library Roundup

Donation
Dr Peter Michail, former member of staff of the Faculty of Agriculture at the University of Sydney, has presented the Library with some 600 issues of the Japanese language weekly journal, 'Asahi Jaanaru'.

The serial covers the period from March 1967 to September 1978 and in content is similar to 'Time' Magazine, covering a wide spectrum of Japanese life ranging from politics to art. Dr Michail described the serial as being 'more for highbrows' and 'a little to the left'.

National Coal Week
A display was set up in the Foyer of the Auchmuty Library to mark National Coal Week. It was mounted jointly by the Institute of Coal Research, the Institute of Materials Handling and the Joint Coal Board. It depicted aspects of the New South Wales Coal industry and coal research within the University of Newcastle.

Elizabeth Guilford.

Projection Room Keys for Lecture Theatres B13 and B15

Locks on the projection rooms in Lecture Theatres B13 and B15 of the Hunter Building have recently been changed and are now both keyed alike.

Up until now, keys for these projection rooms were borrowed from the Instructional Media Unit. As from April 16, these keys will no longer be the responsibility of the IMU and they are to be kept by the departmental secretaries for use by lecturers of that department.

The new keys for B13 and B15 Projection Rooms can be obtained from Mr Peter Boyd on presentation of the correct key request form which departmental secretaries should have received through the internal mail. Secretaries are urged to do this as soon as possible if any members of their department requires access to these projection rooms.

Keith Davey,
Head, IMU.



Copyright Corner

An occasional column in which common queries, or even uncommon queries for that matter, on copyright are answered.

Q. If a recording of a television program is made for educational purposes under the University's procedures, are we expected to pay for the minutes of commercials and station promotions included during the copying of the program?

A. The Audio-Visual Copyright Society has made it known that where adverts are copied intentionally - for example, to show in a media studies or marketing course - a record of the copying must be made in the usual way. The adverts will be Category C for remuneration purposes. If adverts are copied incidentally in the course of copying a program, they need not be recorded or paid for. This is so whether they are edited out later or are left in.

When recording whole programs you may use an average if you don't want to count the minutes. AVCS will accept that 11 minutes are adverts in each hour when copying whole programs on commercial channels and this number may be used in calculating the duration per hour of the copy made. Sometimes it's more than 11 minutes so if you want to count them feel free to do so.

If you have any question on copyright you are invited to write to Lionel Farrell, Director, Legal Services and the University's Copyright Officer.

Exhibition The View Factory

The View Factory presents paintings and sculptures by two new up and coming artists; Chris Langlois and Willi Hass until May 26th.

Chris Langlois is a young emerging artist with a passionate love for painting. Using paint and gesture, he creates a vitality, a power, evocative of brutal oceanic, rural and industrialised environments.

His reference to nature is not of a natural world, but of a world infested by the obscurities of man; a world of liveliness amidst bleakness.

Langlois, as a young painter delights in celebrating his world, a world which he presents to the viewer for their contemplation and enjoyment.

Willi Haas, an artist of life experienced background, enjoys the variety, openness and freedom which to him is only in art - visual art, evident in the sculpture provided.

His concerns and hopes about the world around him are of optimism despite the negative facts. His works are bold and confident and some with a touch of sarcasm; but still with the conflict of a belief in a positive world society, entwined with the aesthetics of a man made environment. An appeal for a play of thoughts.

Langlois' and Haas's works bring to the View Factory a kind of energy and celebration, evocative of modern day reality.

Gallery Hours 10 am - 11pm
Wednesday to Sunday.
64-66 Scott Street, Newcastle East.
Phone 29 4580

One-Day Workshop on
"Understanding Your Dreams"
will be conducted by Elizabeth Cain, a Jungian counsellor, on Saturday 18th or Sunday 19th May.
Venue: 69A Dickson Street, Lambton.

Time: 10 am to 4 pm
Cost: \$20 for non-students
\$12 for students

For further details and registration forms, please contact Mary Goldsworthy or Faith Jones at the Chaplaincy Centre. Ext. 5571 or Room C69 - Hunter Building, Ext. 6648.

University Counselling Service Change of Time

Please note that 'Back to Study' group for 'Mature-age' students will not be conducted on TUESDAYS from 1pm to 2 pm beginning Tuesday, April 23.

University Counselling Service
Grouproom
Nanette Bryant.

HUNTER LIFE EDUCATION PRESENTS

A Rocky Horror Picture Show 15th Anniversary Celebration

Featuring a special screening plus an anniversary tribute dance show.

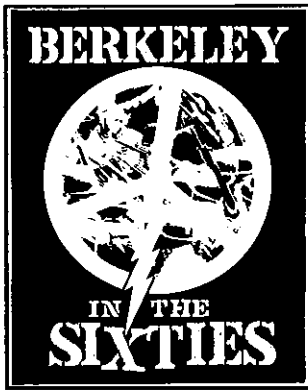
**LYRIQUE THEATRE, FRIDAY MAY 17.
SHOW BEGINS 11pm.**

Rice, newspapers, other Rocky Horror fan-ephernalia available at the door.

Tickets: \$10 (\$8 concession). All proceeds to HUNTER LIFE EDUCATION.

Tickets available from the Union (Shortland and Hunter), the Convocation Office or the Lyrique.

Enquiries: Hunter Life Education 58 6766



A special screening of this thought provoking film will be held on Tuesday, May 21st at the Regal Theatre in Birmingham Gardens.

The film is a documentary of 15 people who were influential at the University of California at Berkeley during the 60's, their views on life now and the events that have happened to them since that time.

The radical political climate at the University at that time influenced the thinking of the American people, particularly with regard to protesting against the Vietnam War.

The film has been recently released in Australia to good reviews and was nominated for two academy awards.

Tickets for the special screening can be obtained from the Chaplain's Office or from the Regal Theatre.
Supper will be provided.

Cricket Club Dinner

The Annual University Cricket Club Dinner and presentation night was held in the Southern Cross Lounge of the University recently, attended by over 70 cricketers and their friends.

The guest speaker was the President of the New South Wales Cricket Umpires Association, Mr Dick French.

For 12 seasons between 1976 and 1988, Mr French had umpired 58 one-day Internationals, 44 Sheffield Shield and 19 test matches. He enthralled the audience with tales and episodes from those matches.

Other guests at the Dinner included the President of the Newcastle District Cricket Association, Mr Graham Jefferies, the Vice-Chancellor Professor Morgan and his wife and the Patron of the Cricket Club, Professor Michael Carter.

President of the University Cricket Club, John Fryer, said the most prestigious award of the evening, the Jack Walsh Trophy, went to Mr Graham "Dutchy" Faraday. This trophy is awarded annually for the player accumulating the most runs, wickets and catches for any grade in a University Cricket Club. Mr David Johnson won the trophy for the batsman scoring the highest average in First Grade.

He said other trophy winners included Mr Stuart Cooper for most improved undergraduate of the season and to Mr Robert Simpson for the Clubman-of-the-Year award.

Mr Robert Kirkwood was the Master of Ceremonies for the evening.

Marketing Association for Uni Campus

The American Marketing Association (AMA), an internationally recognised association of Marketers with over 40,000 members worldwide, both academic and professional, is seeking to establish a student chapter on the University campus.

An inaugural meeting will take place in VO7 from 1 pm - 2 pm on Wednesday, May 15 to discuss this.

In brief some of the benefits for students will be:

- ◆ Student membership in an internationally recognised marketing association.
- ◆ Nine issues of Marketing News, an excellent high gloss newspaper that keep up with a variety of marketing issues.
- ◆ The opportunity to be involved in international student marketing competitions.
- ◆ The opportunity to work on interesting marketing projects and gain some practical experience.
- ◆ The chance to listen to guest speakers on a variety of topics in marketing.

Students interested in Marketing are encouraged to attend this first meeting. Without their interest and support the chapter will not form. This group should be of interest to all students who have done any marketing courses or plan to do any marketing courses in the future.

Further enquiries can be made by contacting Lecturer in Marketing, Michael Jay Polonsky in the Department of Management. Telephone 215013.

Diary

The 60th ANZASS (Australian and New Zealand Association for the Advancement of Science Incorporated) Congress will be conducted in Adelaide from October 1-3.

The Congress provides a unique opportunity for a very special group of people to gather in the friendly sophisticated City of Adelaide and share thoughts, ideas and concerns with some of Australia's brightest scientific minds.

Come and join

- ◆ Dr John Ludwig, Principal Research Scientist with the CSIRO's Division of Wildlife and Ecology as he discussed "The Role of Decision Support Systems in Restoration Ecology"

- ◆ Professor Bruce Knox, Professor of Botany at Melbourne University as he presents a paper on "Identifying Genes Important in Plant Reproduction"

- ◆ Dr David Mitchell, Director, Murray Darling Fresh Water Centre, Albany who will address the topic of "Artificial Wetland Systems for the Renewal of Grossly Polluted Water Resources"

- ◆ Professor Joe Schuster, Head, Range Management at Texas A & M, USA

- ◆ Dr Sonny Pierce, Manager, Manufacturing & Quality Technology at General Electric Aircraft Engines, USA

and other nationally and internationally recognised experts who will present papers at the Congress.

Beat the Rush. Full registration fee for members is \$120 and \$195 for non-members if registration is completed by August 6, 1991.

For further information and registration details, please telephone (08) 228 5236 or write to ANZASS Congress Organiser, Office of Continuing Education, University of Adelaide, GPO, Box 498, ADELAIDE. SA 5001

Rotary Scholar from America

A new face on campus is American Rotary scholar, Rebecca Mateja.

Rebecca who will be studying at the University of Newcastle for the 1991 academic year comes from Whiting, a small oil refining city located in the very northwest corner of Indiana on the southeastern edge of Chicago.

She graduated from high school in 1984 gaining entrance to Eastern Mon-

tana College in Billings on a basketball scholarship. In 1989, she graduated with communications/biology degrees and from there returned to Indiana to begin Masters work in the health field.

After applying for a Rotary Scholarship, she was granted an award by Rotary District 654 to study at the University of Newcastle as part of her Masters program.

Presently, 24 year old Rebecca is enrolled in the Graduate Diploma in Occupational Health and Safety and is living on campus at International House. Her Rotary host club whilst in Newcastle is the New Lambton Club.

Besides studying, Rebecca has been involved in many activities; church, sports, sorority, band, ad club and pageants. She is also a fitness and aerobics instructor.



Rebecca Mateja

Lectures to be Presented in Canberra

Professor W.G. McMinn, who retired from the History Department in late 1988, has been invited to give the third of a series of public lectures being sponsored by the Australian Senate to commemorate the centenary of the first federal convention, held in Sydney in April-May 1891.

The series, under the general title, 'One People, One Destiny', is being presented in Parliament House, Canberra; the lectures will eventually be published. The first two in the series were delivered by former Governor-General Sir Zelman Cowen and Professor Geoffrey Bolton, Professor of Australian History at the University of Queensland.

Professor McMinn's lecture, which will be delivered on Monday, May 6, will examine the reasons for the opposition to the Constitution Bill drawn up by the convention and its failure to be ac-

cepted.

Professor McMinn was one of the first students in the Faculty of Arts in the old Newcastle University College: he was the first honours graduate of the Department of History and took the first Master of Arts awarded by the University of New South Wales.

He joined the staff in 1962 and was Associate Professor of History from 1970 to 1988, serving twice for short periods as Head of Department.

His publications include six books (the most recent a biography of the 'founding father' G.H. Reid), numerous articles in scholarly journals and symposia, and a large number of entries in the Australian Dictionary of Biography, with which was associated from its inception until his retirement.

Letter to the Editor



Dear Editor,
The Bulletin continues to improve in appearance; I'm particularly pleased to see that there is now a date on each issue.

However, for the most part, it still has a 'typewritten' look. I refer particularly to the use of foot (') and inch (") symbols instead of real quotation marks and apostrophes('''). Another 'typewriter' style is the use of a hyphen (-), not only where appropriate but (sic) also in place of an en rule (–) and even an em rule (—). I suggest that chapter six of the Style Manual for Authors, Editors and Printers (Canberra Australian Government Publishing Service, 4th edn 1988, ISBN) 644 07123) as a good source of advice.

Also, you describe the Bulletin as 'produced on IBM Desk Top'.

IBM is a registered trademark of the International Business Machines Corporation and can only be used to describe hardware and software from that company. I believe it would be more accurate for you to list the software programs and operating environment (e.g. Aldus Pagemaker and WordPerfect under MS-DOS).

John A. Lambert,
Director,
University Computing Services.

Thank you for your advice and I appreciate your interest. You may notice that the correct references to software are now being made in the credits. As for the apostrophes, I only wish that we had 'real' ones on our program! Perhaps you could advise.

-Ed.

Postmodernist Reading Group

Some twenty or so honours and postgraduate students, members of staff and other folk with enquiring minds meet on alternate Thursdays at 5 p.m. for at least an hour to discuss different aspects of postmodernist issues and practice.

"Reading" is understood in its broadest sense to include consideration of images, still or moving, as well as written texts. The group explores selected material together: it does not engage in passive attendance at lectures on theory.

The group intends holding a one-day seminar during the mid-

year break and a weekend away at the end of the year.

All those who feel that they might wish to participate in the group's activities are invited to attend a meeting to see if it does indeed appeal to them.

For further information about the gathering on May 16 and about subsequent meetings, contact the Reading Group's inspiritiater, Klaus Neumann, visiting research fellow in the Department of History.

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Around the Campus

New Appointments for Social Work Course

Two academics appointed to lecture in the new Bachelor of Social Work course which commenced this year, bring with them a wealth of expertise and experience in the field.

Senior lecturer, Jo Gaha, and lecturer, Jill Gibbons, are looking forward to the first academic year of the course. They, with the Head of the Department of Social Work Professor Brian English, have succeeded in having the four-year course accredited with congratulations by the Australian Association of Social Workers.

Jo taught social work at the University of Sydney before becoming Senior Counsellor for their Counselling Service. She has also worked as a counsellor/community worker and has also worked in immigration and



Jo Gaha (left) and Jill Gibbons

health. More recently, she has been in private practice.

Jill has worked for 20 years as a social worker for the Department of Health working in the sensitive areas of geriatrics, physical disability and industrial rehabilitation.

The two describe the course

as probably the most innovative in Australia as it is an experience based course, not simply the traditional lecturing and tutoring base.

"It uses student focussed learning in a hands-on way. It is the first social work course to use this for the full four years of the course," said Jo and Jill.

"For example, the first year of the course is based on eight learning units which cover a broad spectrum of social issues. Students are given situations to react to rather than just learn theory.

"They will learn how to read demographic statistics and how to access information as well as look at ethical and professional behaviour in any given situation. They will also visit social workers in the field to find out how they operate.

"The students will be treated as workers not simply students," they said.

They added that although the learning units are quite structured, the student's involvement in real issues is designed to create an attitude of responsibility.

Visitor from Ube



Professor Roberts pictured with Professor Himoto Usui

A recent visitor to the University, Professor Hiromoto Usui, from Yamaguchi University in Ube, Japan, delivered three seminars to academic staff as well as students in the Department of Chemical Engineering.

As a guest of the Dean of the Faculty of Engineering, Professor Allan Roberts,

Professor Usui's seminar topics included 'Research and Development in Coal-Water Mixtures', 'Drag Reduction by Polymer Additives' and 'Rheology and Non-Newtonian Fluid Transport Coal Slurry Transportation and Oil Pipe Line Transportation'.

Whilst in Australia, Professor Usui was also invited to

present a seminar at a one-day conference at Monash University.

Professor Usui said his relationship with the University of Newcastle began when Professor Roberts visited his university for its 50th anniversary two years ago.

He said that a new relationship of sister faculties is now being established with proposed exchange visits between academics from the two universities.

He said that out of a total student population of nine thousand at Yamaguchi University, two and a half thousand are enrolled in Engineering, which takes up one entire campus of which there are three.

On an exciting note, Professor Usui heard during

his visit that his son had achieved entrance into university to study economics. In Japan, entry to university is extremely difficult, the student having to pass stringent entrance exams before even enrolling or commencing academic studies.

Missing Items

The Department of Modern Languages is still missing a number of items after the earthquake repairs.

While at this stage we can do without a couple of heaters, electric fans, curtains and one step ladder, we would dearly like to have our cassette recorders back.

Apparently, four cassette recorders were packed into one cardboard box, which has not turned up in our departmental area. If this box should be cluttering up your office, please let us know.

Fred Walla (Ext. 5374)



Research Grants for 1991

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

Closing Date

◆ National Heart Foundation Grants-in-Aid for Medical Research	May 17, 1991
◆ NH & MRC Equipment Grants For equipment costing in excess of \$10,000	May 20, 1991
◆ Multiple Sclerosis Society Project grants: Fellowships and Seeding grants.	May 22, 1991
◆ Hoechst Diabetes Research For Clinical and Educational Research and Animal in vitro studies and other basic research products.	May 22, 1991
◆ National Heart Foundation Research in the area of cardiovascular health education	May 22, 1991
◆ Australian Institute of Nuclear Science & Engineering - Postdoctoral Research Fellowships	May 24, 1991
◆ ARC Small Grants	May 31, 1991
◆ Australian Kidney Foundation Grants-in-Aid for Medical Research	June 5, 1991
◆ Clive & Vera Ramaciotti Foundation Projects in the field of Medical Research	June 12, 1991
◆ The Cancer Council Research Grants for 1992 For research projects in all aspects of cancer	June 18, 1991
◆ RV Franklin Ship Time Applications for Ship Time on the RV Franklin oceanographic research vessel (CSIRO Division of Oceanography).	June 19, 1991
◆ Co-operative Research Centres Program Second round.	June 24, 1991
◆ DITAC International Science & Technology Program Assist Australian participation in international science and technology networks and collaborative research and development programs.	August 21, 1991
◆ DITAC Bilateral Science & Technology Program Support for international research collaboration on projects which contribute to Australia's industrial, scientific or technological capabilities.	September 19, 1991
◆ The Australian Sports Medicine Federation Research Awards Scheme Young Investigators Award, Medical Students Prize, Best Conference Paper Award & Best Journal Article.	September 20, 1991
◆ NSW Cancer Council Travel Grants-in-Aid	September 23, 1991
◆ NSW Cancer Council Awards for Postgraduate Education and Training in Oncology	September 23, 1991
◆ National Teaching Company Scheme	No Closing Date
◆ National Campaign Against Drug Abuse	No Closing Date
◆ DITAC International Science & Technology Travel Grants Apply at any time but at least 6 weeks prior to intended travel	No Closing Date
◆ Education and Training Foundation	No Closing Date
◆ BHP Community Trust	No Closing Date
◆ RADGAC Dept of Community Services & Health Medical research and targeted research areas	No Closing Date
◆ Research Management Committee Travel Grants	No Closing Date
◆ Research Management Committee Research Visitors	No Closing Date
◆ Child Accident Prevention Foundation of Aust.	No Closing Date
◆ Telecom Research Funding	No Closing Date
◆ Wellcome-Ramaciotti Research Travel Grants.	No Closing Date
FELLOWSHIPS	
◆ Smuts Visiting Fellowship Commonwealth Studies 1992-93	May 13, 1991
◆ National Heart Foundation Fellowships 1. Senior Research Fellowship, 2. Research Fellowships, 3. Overseas Research Fellowships, 4. Australian Cardiovascular Training Fellowships & 5. The Warren MacDonald International Fellowship.	May 17, 1991
◆ The Australian Academy of the Humanities Travelling fellowships for short-term study abroad	June 19, 1991
◆ Sir Maurice Byers Fellowship Issues affecting Australian Police work	August 21, 1991
◆ Nuffield Foundation Fellowship Awards Three month Fellowship in the U.K. - Curriculum development; teaching through Commonwealth themes, educational drama and performing arts.	August 28, 1991

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

One for the Road

The University Drama Department will be running a production of Harold Pinter's *One for the Road* between May 13 and 17.

Described as a chilling study of power and powerlessness, *One for the Road* is a one-act piece, with a small cast. The action takes place in a room, somewhere, sometime. Nicolas is an interrogator, a master at dismantling people's characters and disintegrating their resistance. Victor and Gila are both subjected to Nicolas' interrogative methods. This unfortunate duo (married couple) and their young son, Nicky, are interrogated in a different manner to each other, and their reactions give rise to some powerful confrontations.

First produced and directed by Harold Pinter at the Lyric Theatre Studio, Hammersmith, in Spring 1984, this haunting play will be shown in the Green Room and will be directed by Tony Anthony.

The cast includes Richard Cherry as Nicolas, Martin Davies as Victor, Louise Chapman as Gila and Callib MacLeod as Nicky.

The production runs from May 13 to 17 with performances at 1.10 p.m. A night performance will be held on May 15 at 7.30 p.m.

For information regarding bookings and production times, please contact the University Drama Department on 215001 or Tony Anthony on 63 4286.

Optometrist

University Student Union Building
(Next to Credit Union)
Phone 602633

Eye Examinations - All patients bulk billed
Neil Kearns. B.Optom.

Advertisements

For Sale
COMPUTER. Laptop 286. 40MB hard, 1.44mb floppy, 2MB RAM, math co-processor. Under warranty. Free software. \$2750 ono. Telephone Ext 5033 or 42 6070.

For Sale
Niki sedan - 1990 model, white. Excellent condition, 8,800 kms. 12 months registration and is still under warranty. 60 mpg. Asking price \$5,500 or near offer. Please telephone 61 2916 after 6 pm.

For Sale
Valiant VC 1966. Mag wheels, disc brakes, warm 318 V8 and Borg-Warner 4 speed, good interior, good tyres. Registered until 12/91 - \$3,500 or near offer. Contact Sean Reeves on 28 6518 (work) 66 2361 (after 5 pm.) or Denise Taft on Ext. 6030.

For Sale
Mitsubishi Colt 5 Door Hatch. 1989 Sold 1990. Only 22,000 kms. Air conditioned, 11 months registration. As new \$10,500. Telephone 438175 or Ext. 6671.

For Sale
Apple Macintosh Plus, 2.5 Megabyte RAM, keyboard, mouse. Excellent condition; original box and all manuals. \$1,250. Telephone Ext. 5006 or 33 7368 (after hours)

Wanted to Buy
A.C. ITOH Model 8510 dot matrix printer is required by the Electron Microscope Unit. Please telephone Dave Phelan on Ext. 5667.

For Rent
Executive three-bedroom brick home on acreage at Clanence Town. Phone 964093 or Ext 6644

The University of Newcastle Sports Union Annual General Meeting

The Annual General Meeting of the Sports Union will be held on Wednesday, May 8 1991 at 5.30 p.m. in the University Great Hall. A poll for election of Sports Union office bearers for the ensuing year will be held at the Great Hall immediately following closure of the Annual General Meeting and on the following day (Thursday, May 9, 1991) between the hours of 10 a.m. and 8 p.m. On Thursday, May 9, ballot boxes will be placed at the following locations:

Shortland Campus
Sport & Recreation Unit Office
Squash Complex Sports Shop

Ourimbah Campus
Administration Office (verandah area)

Conservatorium of Music
Students' Common Room

Only ordinary members of the Sports Union are permitted to vote.

Environmental Group Seeks Nominations for 1991 Award

One of the Hunter Region's major environmental groups is seeking to recognise achievement in an environmental area by calling nominations for its 1991 award.

The Board of Environmental Studies at the University says individuals or organisations within the Hunter Region are eligible to be nominated for its 1991 Environmental Achievement Award.

The Chairman of the Board, Kevin McDonald, said the Award can recognise a record of achievement in an environmental area, a significant contribution to the quality of the environment or a significant contribution to an understanding of the environment.

He said the project could be by an individual, a group of people or an organisation such as an industry, governmental instrumentality or community organisation.

"The Board gives preferential consideration to those individuals or groups who act on their own initiative, in their own time and for no financial reward rather than for excellence in the performance of duties," said Kevin.

"This will be the sixth year of the Award and past winners have included well-known environmentalists such as Max Maddock (Shortland Wetlands), Doug Lithgow (Northern Parks and Playground Movement) and Don McNair (Hunter Botanic Gardens)," he said.

The 1991 Award, in the form of a framed certificate accompanied by a citation, will be presented at the Annual Dinner of the Board on Friday, November 1.

All nominations should be in writing and will be treated in strict confidence by the Board. The closing date for nominations is Friday, July 19 and they should be addressed to The Secretary, Board of Environmental Studies, Secretariat, The University of Newcastle. 2308.

Further details on the Award can be obtained by telephoning Kevin McDonald on 21 6625 or 21 6622.

Computer User

University Computing Services Newssheet

ISSUE 1

APRIL 1991

Greetings, Users

This issue of COMPUTER USER marks the commencement of a series of periodical publications from University Computing Services. Our role is to provide software, hardware and network services and support to University computer users. COMPUTER USER supplements that support with informative and instructive content each month.

Information on a variety of topics will be presented with regular features on wordprocessing, spreadsheet, database, communications and developments in the industry. There will be software and hardware reviews including prices when available. If there is enough interest, a trading post could be incorporated (contact the Editor on 6399). The "Virus/anti-virus" scene will also be reviewed regularly.

Regular announcements will include:

- staff training classes
- program upgrades
- software bugs
- virus alerts
- new programs and equipment

Help

There are HELP DESKS in the new Computing Building (CT-212) and Hunter Buildings (HH-A100) and the people at these locations are able to give direct immediate assistance in many instances. Services offered include: Macintosh and IBM clone usage, VAX and PRIME usage, file transfers, software ordering and matters relating to computer accounts. Visit or phone them and if necessary they will redirect your requests to specialists if they cannot solve your problem. The E-mail address for support of CC and WOMBAT systems is HELPDESK.

HELP DESKS

For all your problems
VISIT US

in the Computing Building (CT)
Judy, Alison & Catherine
or CALL 5382

in the Hunter Building (HH)
Lyn & Ian
or CALL 6424

Macs and PCs for 1991

The good news in personal computing is that the University standard IBM clones are an ASI-386sx or an ASI-386dx with 2MB RAM and VGA displays. The preferred Macintoshes are the LC and IIsi. Colour monitors are available for both these computers. Computing Services provides a comprehensive range of software from Microsoft and WordPerfect Pacific to run on either hardware platform.

Computer Viruses

These are programs which can damage applications and data on your personal computer. To help combat these "virus" programs there is a pamphlet, also available from the HELP DESK, that offers a general guide to avoiding computer virus problems. Please treat the possibility of viruses seriously. Virus protection and removal systems are available for both Macintoshes and PC clones.

WordPerfect News

WordPerfect Pacific have advised that WordPerfect for Windows will be available in the second quarter of this year. This WYSIWYG package of WordPerfect will be

University Computing Services Newssheet

compatible with WordPerfect 5.1 (DOS) and WordPerfect 2.0 (Mac).

The Macintosh product combines a word processor and graphic editing package into an integrated environment. Files created under WordPerfect 2.0 are file compatible with the DOS WordPerfect package.

WordPerfect is the only word processor that currently provides a common file format across all platforms, including DOS, Macintosh, Apple, VAX, Amiga and Unix based systems.

Some users are now employing DrawPerfect to create presentations, graphical publications and design art work. By appointment, Computing Services can demonstrate this and other new software to prospective purchasers.

Latest Releases:

WordPerfect 5.1 (DOS)	21-02-1991
WordPerfect 2.0 (Mac)	01-04-1991
DrawPerfect 1.1	16-01-1991
PlanPerfect 5.1	22-07-1990
WordPerfect Office 3.0	14-06-1990

Microsoft News

DOS WORD has been recently upgraded to version 5.5, with new menus, scroll bars and dialogue boxes added. To summarise: there is more in this upgrade for the power user who already uses glossaries, style sheets and macros, however novice users and those used to a Mac interface will find the pull-down menus and improved mouse control reasons enough to upgrade.

Microsoft Works has been chosen as the preferred integrated package for student use in all our laboratories.

Latest Releases:

Word 5.5 (DOS)
Word 4.0 (Mac)
Word for Windows 1.1 (DOS)
Excel 3.0 (DOS)
Excel 2.2 (Mac)
PowerPoint 2.0
Works 2.0
Windows 3.1 (DOS)

Other Software

A new version of Kermit for DOS machines is now available from the HELP DESK. It offers 132 column display, better printer control and expanded network support.

Latest Software Releases:

CorelDraw 2.0
AutoCad 11
Novell Netware 386 3.11
PageMaker 4.0
MS-DOS Kermit 3.10

NB: Many software packages are available in classroom or network packs which offer substantial cost savings for volume purchasers.

Library News

· Retrospective conversion of monograph titles has been completed and is now on-line via ALLEYCAT.

· The Micro/Terminal room in the Auchmuty Library is to be closed later this year to be developed into a multi-media learning resource centre. The computer facilities will be provided in room G24 McMullin Building, A96 Hunter Building and the 1st & 2nd floors of the Computing Building.

Network News

· Users of VAX and network facilities are reminded that a NEWS function is available. Documentation is available from the HELP DESK.

· A VAX network LA120 printer is now available for general use in room CT-210.

· Staff and students can access the campus network from home by using a modem. There are several lines available and the telephone number to dial is 674444.

UCS will shortly be distributing a Newsletter with more information on the above topics. Call Margaret on 5380 to be included on the mailing list.