$100,000 Donation to Help Aboriginal Medical Students.

A small function held in the Vice-Chancellor's office has marked a very important occasion and a significant boost to Aboriginal students enrolled in the University's Bachelor of Medicine course.

The occasion marked the handing over of a $100,000 donation to the Faculty of Medicine to be used specifically to assist Aboriginal medical students who, for a variety of reasons, may not be able to complete their course. The money will be invested with the interest being used to create the Jack O'Sullivan Fund which can be drawn upon if a student is in need.

The donation was made by Mrs Ruby O'Sullivan, the widow of a former Melbourne Cup-winning jockey, Jack O'Sullivan, who died in 1985.

Mrs O'Sullivan said she was very concerned with social conditions experienced by Aboriginal people throughout Australia. She said that when her husband died after a five-year battle with cancer, she made up her mind to "put her money to work where it would do the most good". She chose the education of Aboriginal doctors as the cause closest to her heart.

After a meeting with the Dean of the Faculty of Medicine, Professor John Hamilton, Mrs O'Sullivan said she was impressed with the commitment to the education of Aboriginal doctors by the University of Newcastle and was particularly pleased to find that 13 students of Aboriginal descent were enrolled in the course.

"I want to be of help to the Aboriginal students and I want my money to work so that they can help themselves," said Mrs O'Sullivan.

"I see myself as a humanitarian and if I can provide a means of practical assistance, particularly in this very important area, then it makes me very happy.

"I am hoping to popularise the idea of the fund through the Australian Jockey Club as a fitting memorial to Jack, who was so well known in racing circles. This could significantly add to the original investment," she said.

Jack O'Sullivan rode to success as a 20-year-old apprentice on Hall Mark in the 1933 Melbourne Cup. He was well known throughout racing circles as 'the gentleman of the turf' and went on to become a successful horse trainer.

"He was an honest rider, was well-liked and respected. It has been said that he had 'magic' hands on the reins," Mrs O'Sullivan added.

The medical course makes available up to six places for students of Aboriginal or Torres Strait Islander descent. Applications are received from all over Australia and current students in the course come from Broome, Darwin, Alice Springs, Sydney, Tasmania, various parts of Queensland as well as New South Wales.

Prospective students need to have either attained successful tertiary experience or achieved good marks in the Higher School Certificate and be of Aboriginal or Torres Strait Islander descent.
New Equipment to Assist Research

Two University academics are looking forward to acquiring a new piece of equipment, which will be the first in the University and one of only a few in Australia, which will assist their research into the study of chemical reactions in solution.

Drs Geoff Lawrance and Marcel Maeder from the Department of Chemistry, have been successful in obtaining a grant for an Area of Research Excellence, one of several grants funded from the University's reserves and intended to lift the research profile of teams and hence the University.

The grant is the second of its type that has been awarded to the Department of Chemistry, which is one of only two departments (the other being the Department of Physics) to receive two such grants of this type to date.

The grant, valued at $84,000, will allow the research team to procure a new stopped-flow spectrophotometer to permit the study of fast reactions in solution. These reactions are initiated using piston-driven mixing syringes, and are monitored by following change in either colour, fluorescence, or both simultaneously. This machine will be devoted to the study of reaction kinetics and mechanisms in metal co-ordination chemistry.

"The acquisition of this instrument will permit an important extension of existing research activities which have attracted external funds from the Australian Research Council and private industry," said Drs Lawrance and Maeder.

"Not only will the instrument be used for research, but a group of graduate students in the department will make extensive use of the new facility when it is installed and operational later this year," they said.

Both Drs Lawrance and Maeder have extensive experience in metal co-ordination chemistry. They intend to probe factors which influence the stability and speed of interactions between metal ions and organic molecules which can bind to the metal ions. Apart from the inherent academic interest in such interactions, the results may point the way to new 'intelligent' molecules, which can select one of a number of metal ions in solution, a task with commercial applications.

The project extends already fruitful collaboration between the two chemists which has existed for several years.

Recently, Dr Maeder visited the UK on a trip sponsored by a company supplying this type of equipment, to finalise purchase and delivery arrangements. He is currently negotiating with the company over the implementation and commercial use of software developed in Newcastle with this equipment. + + +

Development of Newcastle University Student System (NUSS)

Parameters for developing specifications the Newcastle University Student System have been approved by the Deputy Vice-Chancellor (Administration) and endorsed by the Vice-Chancellor.

The following proposals have been endorsed:

(a) A staged conversion from the Interim Student Information System (ISIS) to the Newcastle University Student System (NUSS), based on internally developed programs to run on the VAX computers under the Powerhouse software.

(b) An implementation strategy for the NUSS project to be prepared and submitted for approval following the completion and submission of comprehensive project specifications for the system in July, 1991.

(c) A project budget based on known items of expenditure to be considered in more detail by the responsible officers and a steering committee established for the NUSS development.

(d) The Steering Committee established for the project comprises:-

Mr J Todd (Chair) Academic Registrar
Mr A Bond Assistant Academic Registrar (Student Systems and Records)
Dr P Butler Acting Director, University Computing Services
Mr B Cheek Chair, University Computing Committee
Mr B Clarke Data Base Manager, UCS
Mr F Hawkins Deputy Academic Registrar (Admission and Enrolments) (or nominee)
Mr B Kelleher Assistant Secretary: Co-ordinator, Schools and Faculties
Ms J McIntosh Head, Management Information Unit (or nominee)
Mr S Watson Head, Administrative Systems Group, UCS
Mr R Wier Deputy Academic Registrar (Examinations and Postgraduate Studies) (or nominee)

The steering committee will meet regularly, will receive reports from working groups and advise the Academic Registrar on any recommendations received. Minutes of steering committee meetings will be distributed widely for information. The committee will have power to co-opt additional staff for the consideration of specific matters where necessary.

Further information may be obtained by contacting Mr A. Bond (Assistant Academic Registrar - Student Systems and Records) on 6481. Staff are welcome to express a point of view or provide constructive advice they feel will be helpful to the Steering Committee. + + +

BULLETIN 2
Environmental Group Seeks Nominations for 1991 Award

One of the Hunter Region's major environmental groups has extended the deadline for submissions for its 1991 award because of the interest shown by groups and individuals.

The Board of Environmental Studies at the University of Newcastle has invited individuals or organisations within the Hunter Region to nominate for its 1991 Environmental Achievement Award.

The Chairman of the Board, Mr Kevin McDonald, said a number of people interested in submitting nominations had asked for an extension from the mid-July deadline in order to better prepare their documentation.

"The Board has now extended the deadline to August 31 and we are hoping that more groups or individuals, especially those which may previously have thought about entering for the award but have not entered because of the deadline, may take advantage of the new time limit to lodge nominations," said Kevin.

The Award can recognise achievement in an environmental area, a significant contribution to the quality of the environment or a significant contribution to an understanding of the environment. The nominated 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. Nominations should be addressed to The Secretary, Board of Environmental Studies, Secretariat, The University of Newcastle, 2308 and be lodged by August 31.

Further details of the Award can be obtained by telephoning Kevin McDonald on 216625 or 216622.

University Representative on Honeysuckle Advisory Board

The Honeysuckle site, the site of the old railway goods yard, is a 60 hectare area over a three kilometre strip adjoining the Newcastle Harbour Foreshore. The site offers the city a unique opportunity for future development.

Dr Taylor said that development including commercial, retail, residential, recreation, hotel/convention, parkland, education and marina facilities are all areas that need to be discussed and acted upon.

He said that consultants are examining these and other options and to this end, the Board is keen to obtain as much public input as possible.

"I am excited to be involved with this important project and would be pleased to talk to people who may have thoughts or proposals that they would like to have considered by the Committee, particularly with respect to facilities to support educational pursuits," said Dr Taylor.

"Interested people can contact me either directly on 21 6562 or through the Honeysuckle Development Manager and Committee Chairman, Mr Robert Zullo on 29 7094," he said.

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CONVOCATION

is proud to present
Professor Lois Bryson's Inaugural Lecture entitled
"Women, Work and Welfare: Recent Trends in Australia"

WHEN: August 1, 1991
WHERE: Purdue Room of the Great Hall
PROGRAM 12.30 pm - Light Refreshments will be served
12.50 pm - Lecture commences
1.30 pm - Question Time
1.45 pm - Finish

No Admission Fee - All Welcome!!!
Environmental Risk Analysis

The Board of Environmental Studies, The Department of Community Programmes and the Newcastle Division I.E. Australia will present a seminar entitled 'Environmental Risk Analysis' on Friday July 12 in Room K202 of the Medical Sciences Building.

With the development of demanding environmental legislation and penalties, including gaol terms for environment offences, attention has focussed sharply on how to identify, evaluate, minimise and control environmental risk.

In late 1990 the Board organised a seminar on the environmental audit which enabled organisations to understand the nature and extent of environmental risk.

The next logical step is to manage that risk within the requirements of the law and community expectations.

Successful environmental risk management requires planning and assessment in order to determine the options for risk minimisation, or alternatively the affordability of engineering, social or economic solutions.

The seminar brings together a range of speakers who will define environmental risk and analyse the essential and practical techniques for its successful management.

It will be of interest not only to environmental practitioners, but to line managers whose operations generate potential environmental problems, and people involved in evaluating the costs of implementing selected solutions.

The fee is $70 ($35 for students) and further information and enrolment forms can be obtained by contacting The Department of Community Programmes at the University.

Expert to Assist Research

Over the last two years Assoc. Professor John Fryer from the Department of Civil Engineering and Surveying and Dr Richard Farbery from the Department of Mechanical Engineering have received ARC Small Grants and Research Management Committee grants to undertake a study into an aspect of quality control in industrial manufacturing.

They are monitoring the as-built shapes of objects.

The project combines the expertise in precise surveying measurements of Professor Fryer with the mechanical engineering design optimisation techniques of Dr Farbery.

The project deals with addressing the problems associated with ensuring that manufactured items meet their designed shape specifications. Monitoring the manufactured components from seemingly simple shapes does present considerable academic challenges which as yet have not been satisfactorily resolved in Australia, or elsewhere. The researchers have already been involved in areas such as checking the shape of ship building components, pipe structures (including underwater corrosion) and some smaller engineering elements.

To assist with this research, Dr Stuart Robson from City University in London is currently employed by them as a Research Associate for a three-month period. Dr Robson has considerable expertise in computer programming as well as aspects of the data capture methods via photogrammetry.

Stuart Robson has had an interesting background, including trips to Jerusalem to measure parts of the tomb of Christ inside the Church of the Holy Sepulchre. Please see article on page 11

Hunter Issues Presented at International Seminar

Issues in environmental management in the Hunter Region will be the subject of a paper which will be delivered by a Newcastle academic at a forthcoming international seminar to be held in Aberdeen in Scotland.

Mr Phillip Geary, a lecturer from the Department of Applied Sciences and Technology and a member of the University Board of Environmental Studies, will present his paper at the International seminar which will be held between July 7 and 20.

The International Seminar on Environmental Assessment and Management will be conducted by the Centre for Environmental Management and Planning at the University of Aberdeen. It has been internationally recognised and has also been granted the status of a World Health Organisation Collaborating Centre. The Seminar is sponsored by WHO with the support of the United Nations Development Programme.

Mr Geary says the seminar program will cover most aspects of environmental impact assessment (EIA) in the context of environmental management strategies and will include technical methods and techniques used to assess the impacts of proposed major developments. He says a number of experts from both developed and developing countries will present papers to the Seminar.

He says he anticipates that the seminar content will be relevant to the teaching and research program in environmental management at this University and will be interested to hear presentations from other parts of the world.
Academic Exchanges with Japan Discussed

Discussions held in Japan by a Newcastle academic could pave the way to academic exchanges between Yamaguchi University in Ube and the University of Newcastle if all goes to plan.

The arrangement which would further cement the two cities' sister-city arrangement and provide not only academic exchange but cultural as well.

Professor John Ramsland, recently travelled to Japan to present two invited papers in the field of Australian Studies at Japanese universities and to respond to formal invitations to visit particular Faculties in Japanese universities.

At Yamaguchi University, he discussed the possibility of academic exchanges at the faculty level with the Dean of Humanities, Professor Yamamoto and Professor of History, Dr Yagi. The discussion, according to Professor Ramsland, was positive and enthusiastic.

"Yamaguchi's Faculty of Humanities offers postgraduate and undergraduate courses in History, Philosophy, Archeology, Sociology, Social Psychology, Social Anthropology, English, French, German, Japanese, Chinese and Linguistics," said Professor Ramsland.

"I am keen to hear from any Newcastle academic who may be interested in participating in an exchange program in these and related subject areas," he said.

In nine days he visited four universities and a junior college as well as attending a civic reception at Ube City Office as an official guest of Newcastle's sister city.

At Ube, Professor Ramsland and Mrs Ramsland were warmly greeted by the Deputy Mayor, Mr Masao Koraoka, and the Superintendent of the Ube Board of Education, Mr Yoshihito Hasegawa, where Professor Ramsland delivered a written greeting from the Lord Mayor of Newcastle, Mr John McNaughton.

Whilst there, Professor Ramsland and his party enjoyed a tour of Ube and outlying places, visiting the city's sculpture and recreation park, the Ube Junior College, Yamaguchi University and the beautiful Joeiji Temple, Sesshu Garden.

Professor Ramsland also visited the Tezukayama Gakuin University in Osaka where he delivered a paper which surveyed the history of Australian education, especially in the colonial period. This was delivered to students at all levels undertaking an Australian major in liberal arts as well as to academic staff of the University's Department of Intercultural Studies.

Tezukayama Gakuin, a women's university, has pioneered Australian Studies at the undergraduate level in Japan in courses co-ordinated by Associate Professor Yasue Arimitsu, a leading Japanese expert on the Australian novelist, Patrick White.

A second paper dealing with the predominant social role of Australian schoolteachers in rural-based communities from an historical perspective was warmly received by a large audience of academics and students at the Centre for Australian Studies at Nanzan University in Nagoya.

Professor Ramsland said he was particularly grateful to Mrs Tamie Takatsu of the Department of Modern Languages, who is present on Outside Study Leave in Tokyo, as she organised the details of his itinerary in Japan and on occasions acted as transla-

Associate Professor Yasue Arimitsu (left), Professor George Ohshima and Associate Professor John Ramsland with students of Tezukayama Gakuin University in Osaka, Japan.
**Former Olympian to Attend 'Blues' Awards**

Former Olympian Dawn Fraser will be in Newcastle later this month as a special guest at one of the University of Newcastle's major sporting functions.

The winner of four Olympic gold medals and Australian-of-the-Year in 1984 will be guest speaker at the annual Blues Dinner, a function which recognises the University's outstanding talent across a wide range of sports.

President of the Sports Union, Dr Bernie Curran, said Ms Fraser had been invited because of her high profile in the sporting arena even though her first Olympic gold medal was won 35 years ago.

"Dawn Fraser lives on as a sporting legend in Australia and she was only too happy to accept our invitation to address what we hope will be a large gathering at the dinner," said Dr Curran.

The Blues Dinner will be held in the Brennan Room of the Shortland Student Union at the University on Friday, July 26.

Sporting Blues will be awarded by the Vice-Chancellor, Professor Morgan, to Stephen Heaney, Mark James and James Lancaster who have established themselves as elite sportspersons with consistent, outstanding performances in Rugby Union.

Sports Union colours will be presented to

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**The Australian Freedom From Hunger Campaign's 30th Anniversary Conference**

**Breaking the Hunger Trap**

**Development Strategies for the 90's**

**International Conference**

18-22 October, 1991

at the University of New South Wales.

&

Speakers' Tour

October 23 - November 24, 1991

The conference will address the questions:

- Why is it that in a world of plenty, hunger and malnutrition are still widespread?
- Why is it that despite all the analyses of the 60's and the strategies of the 70's and 80's, hunger and malnutrition remain?
- Why is it that world food stocks are decreasing?
- What can we do as non-government organisations, as nations, as part of the international community?

We need answers to these questions for the 1990's and beyond into the next century; we need more than answers - we need plans of action.

The conference hopes to provide opportunities for the experiences of those in developing countries to be heard and shared and draft a blueprint for development Strategies for the 90's for Australia.

**Conference Program:**

**October 18-20**

This part of the conference is for people from Australia and overseas with an interest in development issues - members of the general public; students, teachers and academics; development workers from non-government organisations, Government and the business sector.

Registration fee $70.

**October 21-22**

This part of the conference is designed for specialists, including consultants, AIDAB and other government personnel, senior aid agency staff and academics with specific interests in development issues.

Registration fee $310 and participants must have attended the first part of the conference.

Pamphlets are available from the University's Information & Public Relations Unit.

Further information is also available by contacting:

Margaret Bailey,
Freedom From Hunger,
Post Office, 1379,
Darlinghurst, NSW, 2010.
Telephone (02) 281 2188
Pacific History Sparks Interest

Annual Reports

The EEO Unit has finished the drafting of the University's 1990 Affirmative Action and Equal Employment Opportunity Annual Reports. Both documents have now gone to Council for endorsement, before being lodged with the Affirmative Action Agency and the Office of the Director of Equal Opportunity in Public Employment, respectively. Some interesting information has emerged: for instance, that on average, full-time women staff earn only 71% of the salary that full-time men earn. The average for women in the Australian workforce as a whole is 83% of the male wage. In administration and clerical (excluding keyboard staff) positions, women earn 67% of the average male wage. Of employees earning $43,000 and above, 9% are women. As yet, the University does not collect information on disability, ethnic background or Aboriginality, so we can't say much about how, or if, we are improving the representation of people from these groups in our workforce.

Faculty Board Presentations

Most of the Faculty Boards have now replied to our request for some time at one of their second semester meetings to make an EEO presentation. Responses ranged from warm welcome for the idea to a statement that it was not possible to give a statement during a meeting, but we could give the presentation after a meeting, if we wished. This latter sort of response was accompanied by evidence of puzzlement as to what possible relevance EEO could have for any of the business of a Faculty Board. The Unit is seen as having no role in academic administration, because we are not an academic unit. It is difficult to break through this conviction that we have nothing to contribute in the academic sphere of activity when we cannot get a hearing to demonstrate what we could contribute; however, beginning with those Faculty Boards which have offered us time, we can, I hope, begin to get the message across. The first presentation will be to the Art, Design and Communication Faculty Board, on July 3.

EEO Workshop for Heads of Department

Planning has begun for the EEO Workshop for Heads of Department, as a follow-on from the Workshop for Senior Executive Staff which we organised last year. No dates have yet been fixed, but it will, obviously enough, be in second semester. We will either have a number of offerings of the Workshop, if we decide on a small-group format, or one or two only, in a large-group format. Any suggestions for topics which should be covered in such a workshop are welcome.

Snippets

The matter of the amount of housework and caring for children undertaken by women and men has been in the news again lately. The Unit has obtained a publication entitled 'Juggling Time: How Australian Families Use Time', from the Office of the Status of Women. The Australian Bureau of Statistics conducted a Pilot Survey of Time Use in 1987, and Michael Bittman analysed the results. It contains a lot of interesting facts on the unequal distribution of household tasks: that although overall, Australians spend about as much time on unpaid work as on paid work, 70% of the unpaid work is done by women, and women doing paid work still do more unpaid work than men. There is a companion booklet which has a collection of great cartoons which illustrate some of these findings. If anyone would like more details, please contact the Unit. The books are available free from the Office of the Status of Women.

Susan M Jones
EEO Co-ordinator
As previously reported, agreement has been reached between the University and the Electricity Commission of New South Wales to lease land on which an Advanced Technology Centre will be built in the grounds of the University close to the Engineering Schools. At the same time, agreement has been reached on a similar long term lease of the Ray Watt Oval to the University.

The Centre, which is to be funded by the Electricity Commission, will house approximately 100 staff from the Commission's Scientific Services Laboratories currently based in Sydney, together with 20 staff from the University.

Construction of the Centre at the University is one of several initiatives which are being taken to foster co-operation between the University and the Commission. Other initiatives are the funding of Chairs in Fuel and Combustion and Power Engineering by the Commission, the provision of post-graduate courses appropriate to the Commission's needs and the joint application by the University, the CSIRO and the Commission to establish a Co-operative Research Centre for Advanced Coal Technology.

Deputy Vice-Chancellor (Planning), Dr Doug Huxley, said the Advanced Technology Centre, which is being designed by Architects Jackson Teece Chesterman Willis, will be a two-storey building accommodating the Analytical Chemistry, Environmental Monitoring, Metallurgy, Mechanical Plant Condition and High Voltage Services Branches of the Commission's Scientific Services Group.

He said the work carried out by these people involves site testing and assessment of performance and condition of power plant. This work will be supplemented by research and development at the Centre to improve procedures for assessing the condition and life of plant, and to support development of new process technologies.

"Preliminary works will commence this month and construction will commence in December, 1991. It is expected that the Centre will be operational from December, 1992" - Dr Doug Huxley

"The University component of the Centre will house the Secretariat and some research staff of the Institute of Coal Research, the Institute of Bulk Materials Handling and the Research Centre for Advanced Coal Technology, which will focus on coal and ash utilisation," said Dr Huxley.

"It is intended that research projects involving joint use of Commission and University staff and facilities will be developed as the Centre becomes established.

"Although initial interaction will focus on co-operation between the ATC and the Faculty of Engineering, the Commission and the University hope that co-operative activities involving other Faculties, e.g. Medicine, Science and Mathematics, Economics and Information Science will also be initiated," he said.

The Advanced Technology Centre building will be of two stories, separated into zones for workshops, laboratories and areas for workshops, stores and rig testing with emphasis on a high degree of flexibility to adapt to changing testing, investigation and Research and Development requirements.

Particular attention is being given to merging the building with the site contours, minimising the loss of natural vegetation and retaining as much as possible of existing views from the Hunter complex. The existing Central Animal Farm grazing area, which will serve as a Car Park for the new Centre will be relocated to a more natural bushland setting to the north-west of its present location.

Dr Huxley said that preliminary works will commence this month and that construction of the Advanced Technology Centre will commence in December, 1991. He said it is expected that the Centre will be operational from December, 1992.

The diagrams show the site plan, the southern elevation (i.e. looking from Engineering Road) and the eastern elevation (i.e. looking from the Sports Centre Road).
(right) The site plan of the Advanced Technology Centre showing car parking for 101 vehicles and its position in relation to the Student's Union and the Hunter Building.
Library Roundup

Directory of Compressed Discussion Groups

Many AARNET users find it difficult to navigate their way around the worldwide electronic networks because the directories and documentation are often only available on the network. One of the most useful directories is "Discussion Lists for Academics" compiled by Diana K. Kovacs on behalf of the Association of Research Libraries. Its primary focus is BITNET and INTERNET discussion groups in North America but it does include some other countries. The directory is organised in five files covering the Social Sciences and Humanities (files 1 and 2); Agriculture, Biology, Environmental and Medical Sciences (file 3); Astronomy, Chemistry, Engineering, Geology, Mathematics and Physics (file 4) and Academia General Interest, Administration, Business and Grants Discussions (file 5).

A copy of the directory is held at the Reference Desk in the Auchmuty and Huxley Libraries for consultation. It is to be published in hard copy next month by the Association of Research Libraries under the title "Directory of Electronic Journals, Newsletters and Scholarly Discussion Lists" at $US20 a copy. The directory of discussion lists can be retrieved by sending a message on AARNET to "LISTSERV@KENTVM.BITNET" as follows:

GET ACADLIST FILE 1
GET ACADLIST FILE 2
GET ACADLIST FILE 3
GET ACADLIST FILE 4
GET ACADLIST FILE 5

You should receive the files back the same day. The Directory of Electronic Journals, Newsletters and Digests will be available on the network from July 29 at CONTEX-L@UOTTAWA.

"Is Leisure an Inappropriate Concept for Women?"

The question is one of a number of issues, which will be addressed at a forthcoming Symposium on "Women and Leisure" Towards 2000.

The Symposium is being organised by the Division of Leisure Studies and the Department of Sociology and will take place on Thursday and Friday, July 11 and 12.

The Symposium will provide a forum for academics, providers of leisure (social) services and the general community, to exchange ideas on current research into, and strategies for dealing with women's leisure.

The objectives of the Symposium are to:
- Promote the importance of leisure in women's everyday lives; increase awareness of the factors and constraints which operate on women's leisure; consider pathways for future research on women's leisure; and to explore ways in which women themselves, as well as policy makers and providers of leisure and social services, might develop strategies to improve the quality of women's leisure in the future.

Speakers will include Professor Karla Henderson, Professor Donald Horne and Libby Darlison.

Full registration fees ($65) include morning and afternoon teas, lunch and the Symposium Dinner. Student registration fees include registration for both days, plus morning and afternoon teas.

For further information please contact Peter Brown (Division of Leisure Studies) on Extension 6372.

Tea Ceremony Classes for Semester II

Thursday, July 18 1 pm - 3 pm
Thursday, July 25 1 pm - 3 pm
Thursday, August 1 1 pm - 3 pm
Thursday, August 8 1 pm - 3 pm
Thursday, August 15 1 pm - 3 pm
Thursday, August 22 1 pm - 3 pm

Demonstrations for Open Days
Saturday, September 7 1.30 pm - 3.30 pm
Sunday, September 8 1.30 pm - 3.30 pm

All classes will be held in the Tea Ceremony Room G43
Japanese Section,
Department of Modern Languages.

Enquiries can be made to the Secretary, Japanese Section, Room G39 (Telephone 21 5360).
Researcher - Expert in Photogrammetry

Working with Assoc. Professor John Fryer and Dr Richard Parbery, Stuart Robson, a Senior Researcher with a Bachelor of Science (Photographic Science) from Central London Polytechnic and a PhD in Photographic Film Deformation from City University in London, is considered somewhat of an expert in his field.

He has also been involved in a fascinating project at City University over the past few years, which employs his skills in photogrammetry.

Stuart, along with a team of researchers including the well-known archaeologist, Dr Freeman-Grenville, Professor Martin Biddle, Professor of History at Oxford University, Professor Biddle's wife, Birthe Kjolbye-Biddle, and Mike Cooper, Director of the Engineering Photogrammetry Unit at City University, has been measuring the Tomb of Christ at the Church of the Holy Sepulchre in Jerusalem, using both archaeological methods and the latest techniques in photogrammetry.

The measurement survey was necessary before any restoration or repairs are undertaken on the tomb and its surrounds.

He has undertaken two field visits to the tomb which is administered by six religious communities. The photographs were produced in stereo pairs for accurate measurement.

"I have taken a variety of pictures from inside, outside, and all over the tomb which are produced in stereo pairs for accurate measurement."

"You measure a point on the left and a point on the right and when certain they represent the same thing, you can work out the geometry from there."

"The Tomb of Christ is a fascinating measuring exercise. There are many weird and wonderful angles and many cultural and religious curiosities to observe. For instance, the tomb is guarded at all times and some of my photographs feature a Coptic monk who refused to move while the photographs were being taken," says Stuart.

The actual tomb itself is covered by a canopy, a small house which is in the Greek Orthodox style and dates from 1810. This is beginning to fall down due to an earthquake in 1927. Because of political involvement in the administration of the Church, the edicule is still propped up with steel girders and timber shores.

"The history is very sketchy and people say there is nothing there any more, but when our team of archaeologists had a good look, they were convinced that there were some very early dating artefacts there.

"We have produced a three-dimensional computer design of the exterior of the edicule and which the body of Christ is said to have lain. He says the Tomb Chamber and its low entrance still retain the form of a Jewish tomb of 100BC-AD100."

"There are those who say: We know what happened here. There is no need for archaeology.

"Many may find the first statement common ground, but even those that may feel that what happened to the Tomb of Christ in later years, after the events of the Resurrection, is of absorbing interest and importance. In terms of architectural expression, there can be no more significant or influential structure in the Western world,"

Photogrammetric representation of the Tomb of Christ

A Coptic Monk guards the Tomb of Christ

Because no agreement could be reached, no one has been able to get near it to conduct a survey, so it fell to an independent team to conduct this. Probably, from my point of view, this has been to my particular advantage.

"At the back of the tomb, we have found what is known as 'living rock' which was part of the original rock which was there in biblical times.

"The history is very sketchy and people say there is nothing there any more, but when our team of archaeologists had a good look, they were convinced that there were some very early dating artefacts there.

"We have produced a three-dimensional computer design of the exterior of the edicule and which the body of Christ is said to have lain. He says the Tomb Chamber and its low entrance still retain the form of a Jewish tomb of 100BC-AD100."

He says that because the edicule is in such poor condition, its eventual need to be dismantled and it is then that the researchers expect to find earlier structures, or what remains of them.

"There are those who say: We know what happened here. There is no need for archaeology.

"Many may find the first statement common ground, but even those that may feel that what happened to the Tomb of Christ in later years, after the events of the Resurrection, is of absorbing interest and importance. In terms of architectural expression, there can be no more significant or influential structure in the Western world,"

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"At the back of the tomb, we have found what is known as 'living rock' which was part of the original rock which was there in biblical times.
On May 23, Australia lost a powerful scholar, a gift to the historical profession and a prophetic voice calling all Australians to a continuing, lively role in their society.

Manning Clark was an honorary doctor of this university and it is fitting that we remember his passing. There will be many on the campus who will recall the crowds squeezing in to hear him the night before his honorary degree was awarded. Manning spoke out of a small black notebook with those soft, precise, slightly sombre tones that characterised his spoken presence and much of his writing. He was a reasonably frequent visitor to the campus. In his inimitable way he presented members of the History Department with copies of his 1976 published Boyer lectures, each inscribed with a message suitable to the individual.

Manning Clark was a favourite target of criticism within the profession, for the cardinal sin of getting his dates wrong, or putting people in the wrong place at the wrong time. In one of his final interviews Manning Clark conceded these mistakes - the result of the rapid pace at which he worked - but he would not admit that they invalidated his message. And what was that message: broadly that Australian history is not so different from the history of humankind wherever it is interrogated. Our past is simply a variation on the universal themes of life, death, greed, hope, love and vengeance. The history of Australia as Manning Clark painted it was deeply disturbing: savagery and civilisation lie cheek by jowl in the land that others call 'Godzone'. Manning Clark showed that large questions about human destiny can be asked in Australian history as well as anywhere else.

He made no claims to truth; only that he was a pilgrim searching for ways to illuminate small bite of it. That honesty, and the Clarkian vision for Australia is what has enthralled a generation and more of Australian looking for ultimate meaning in human experience. He was no materialist, but no religious evangelical either. Just a questing human being consumed with 'the mystery of things' and driven to explore that in his writing. He once said that he would prefer to be remembered as a writer rather than as an academic historian. He will be remembered as a prophet too - not as fortune teller or soothsayer, but as one of the great myth keepers of our past.

His reputation also rests on his role as social critic. As a recent student of mine said, the thing he liked about Manning Clark was that he put historians themselves on the public agenda. I suspect many of his critics within the profession were uncomfortable with this side of him. The job of universities as social critic has been underplayed recently, indeed at times rejected by those who have the responsibility to present their public face. But Clark quietly stood foursquare on the principle of the activist-scholar. It is one of his unique contributions that he earned the respect of a community not education in the tradition of scholar as critic.

Manning Clark will be remembered long after the petty scribblers have gone to dust. This university has given honorary degrees to two larrikins in Australian history who have fashioned significant statements about who we are as a people - Xavier Herbert and Manning Clark. It is a gesture to be proud of as an academic community. Let us mourn the passing of Clark and remember the writing, the conviction, the wit with which he graced our history.

Peter Hempenstall, Department of History.
Around the Campus

Pictured above is the Dean of the Faculty of Social Science, Professor Lois Bryson, with some of the nominations for the Jean Martin Award, an award granted by the Australian Sociological Association in conjunction with publishers, Allen and Unwin.

As Convenor of the Jean Martin Award Committee, Professor Bryson received the submissions which are PhD theses in a social science discipline from Australian and New Zealand tertiary institutions.

The main criteria for the Award are excellence in scholarship and balanced treatment of sociological theory and research. It is also desirable that the topics fit with the research specialties of the late Professor Jean Martin: migration, community and family studies, the concept of 'ethnicity', ethnic politics, social class, theories of culture and of social change.

The late Professor Jean Martin was the first woman professor of sociology in Australia and one of the first in sociology generally. She was based at La Trobe University in Victoria.

Professor Bryson says the Award is presented biannually and provides a prize of $1,500 as well as guaranteed publication of the winner's dissertation by Allen and Unwin Australia.

The winner of the award will be known later in the year.

Lorna Parker addresses students during her visit to the University

Orff Schulwerk Exponent Visits Campus

Students in special education strands of undergraduate and postgraduate education courses benefited from the experience of a visitor to the University who is considered to be an expert in Carl Orff music and also has very definite ideas about the needs of children in special schools.

Lorna Parker, the Principal of Chalmers Road School for Specific Purposes at Strathfield, who visited the campus at the invitation of Special Education lecturer, Dr Judith Cowley, talked about speech and language remediation and told her audience that her school intended that by 1993 they would be a 'lighthouse school' in the creative and practical arts.

An enthusiast of Orff Schulwerk music for many years, Lorna also expounded the importance of the integration of music, drama, dance and visual arts into the remediation program.

During her visit, she observed the baby and toddler program at the Special Education Centre as well as visiting the special class at Garden Suburb Primary School and Glendon SSP at Hillsborough.

"I believe there is a place for 'school life' experiences in the special education situation and special education students should not be denied what other school-age children enjoy," she added.

Representatives from the Eastern Sydney Area Health Service talk to some of our Nursing students during a recent careers market held by the Faculty of Nursing.

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"I believe in the Orff Schulwerk approach to creative music education. As children learn to speak and use language through either the innate ability to learn the language or the assimilation of aural experiences, so they absorb music from musical experiences in their environment," said Lorna.

"Orff Schulwerk has been called a general artistic education with rhythm as the central point, rather than a method of music instruction. It is a summary of what a child should know to lead him to music.

It uses melody and rhythm as the elemental forces which form the seed for musical growth," she said.

Lorna describes her approach as a more experiential approach to learning in Special Education Centres which includes creative and practical arts, sport and corporate activities such as assemblies, school concerts, dances, etc.

"I believe there is a place for 'school life' experiences in the special education situation and special education students should not be denied what other school-age children enjoy," she added.

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Advertisements

Expatriate Graduate Teacher of English Applications are invited for the above vacancy w.e.f. September, 1991, on two-year contracts, to teach English up to matriculation level in the above government subvented secondary school. Degree-holders with teacher’s training (preferably in TEFL/TESL are preferred.

Salary scale (HK$10,990 - $23,150 per month), to be revised upwards in due course. Additional increments may be awarded for recognised teaching experience.

Please apply before July, 1991, with full resume, a recent personal photograph, address and telephone numbers, to:

The Principal,
Madam Lau Kam Lung Secondary School of Miu Fat Buddhist Monastery,
Lamti, 22 Milestone,
Castle Peak Road,
Tuen Mun, New Territories,
Hong Kong.

Details of Contract of Employment and Leave Entitlement, Conditions of Service for Expatriate English Language and Teachers in Aided Secondary Schools under the EELT Scheme and Qualifications for Appointment are available from the Editor of the BULLETIN in the University’s Information & Public Relations Unit, Hunter Building.

For Rent
Fully furnished and fully equipped three bedroom house in the Waratah area (close to the University). This house would suit mature-age business couple. Rental - $175 per week (negotiable). Please contact Anthony Lynham on 68 4306. Availability - Mid October until the end of January, 1992.

For Sale
Falcon XF Station Wagon, air cond, power steer, towbar. Oct 1987, 106,000 kms. V good condition. $9,350 ono. Ext 6328 or 6838 or 58 5998 (ah).

For Sale
Camera: Nikon FE-2 & 50mm lens $650 ono. Also 28-210 Macro-zoom Kiron lens $250. Ext 6328 or 50 2155 (ah).

For Sale
Computer: Laptop. 286. 2Mb RAM, 40Mb hard disk. Math co-processor. As new, still under warranty. Incl software. Ext 5033 or 42 6070 ah.

University of Newcastle Students' Art Gallery

"Me, Dean Mark and Janneen" is a self-titled exhibition by four Third Year Visual Arts students currently studying at the University.

The exhibition of photographs and drawings by Lisa Bassett, Dean Beletich, Mark Sampson and Janneen Mack is being held at 'Watt Space', Watt Street, Newcastle until July 15th.

Works on display range from black and white and colour photography to large expressive drawings, testing both the aesthetic and conceptual limits of the medium. The work also reflects the rapport between the students though each still has a distinct and individual style.

Lisa, despite the absence of the face in her work, creates self portraits through her symbolic images. Dean builds layers of memories into his work, manipulating past drawings and photographs into new experiences. Mark uses vivid colour to explore his dream sequences while Janneen through her black and white images reflects her family concerns.

Gallery Hours:
12 noon to 6 pm. Thursday to Monday.
## 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>Australian Wool Corporation Preliminary submissions - wool production research</td>
<td>July 19, 1991</td>
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<tr>
<td>Sandox Foundation for Gerontological Research</td>
<td>July 19, 1991</td>
</tr>
<tr>
<td>To promote clinical and scientific research concerned with the problems of aging.</td>
<td>July 22, 1991</td>
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<tr>
<td>APEX Foundation for Research in Intellectual Disability</td>
<td>July 22, 1991</td>
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<tr>
<td>Research into the causes, diagnosis, prevention or treatment of intellectual disability.</td>
<td>July 24, 1991</td>
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<tr>
<td>Australian Academy of Science Rhone Poulenc Fellow-Grant for Scientific Visit to France - 1992</td>
<td>July 25, 1991</td>
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<tr>
<td>+ Australian Pattern Recognition Society</td>
<td>August 1, 1991</td>
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<tr>
<td>Digital Image Computing Techniques and Applications (DICTA-91) Call for Papers</td>
<td>August 21, 1991</td>
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<tr>
<td>+ The Asthma Foundation of NSW Research project grant support; travelling fellowships and higher degree research scholarships</td>
<td>August 21, 1991</td>
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<tr>
<td>+ DITAC International Science &amp; Technology Program</td>
<td>August 22, 1991</td>
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<tr>
<td>To assist Australian participation in international science and technology networks and collaborative research and development programs.</td>
<td>August 23, 1991</td>
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<tr>
<td>+ The Syd Lovibond Prize, National Drug &amp; Alcohol Research Centre</td>
<td>September 19, 1991</td>
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<tr>
<td>Entries from young Australian scientists in the form of a 5000 word essay. Award of $1,000</td>
<td>September 20, 1991</td>
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<tr>
<td>+ DITAC Bilateral Science &amp; Technology Program Support for international research collaboration on projects which contribute</td>
<td>September 25, 1991</td>
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<tr>
<td>The Australian Sports Medicine Federation Research Awards Scheme</td>
<td>September 25, 1991</td>
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<tr>
<td>+ Australian Academy of Science Scientific exchanges with China - 1992/93</td>
<td>November 22, 1991</td>
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<tr>
<td>+ Academy of the Social Sciences in Australia Australia-China exchange Fellowships</td>
<td>July 22, 1991</td>
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<tr>
<td>+ Selby Fellowships</td>
<td>July 22, 1991</td>
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<tr>
<td>The Australian Academy of Science. For overseas scientists to visit Australia</td>
<td>July 22, 1991</td>
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<tr>
<td>+ Elizabeth &amp; Frederick White Conferences</td>
<td>July 22, 1991</td>
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<tr>
<td>+ Boden Research Conferences</td>
<td>July 22, 1991</td>
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<tr>
<td>Australian Academy of Science, call for Proposals for conferences in Feb 1993</td>
<td>July 22, 1991</td>
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<tr>
<td>+ Rothsman Foundation Fellowship Scheme</td>
<td>August 15, 1991</td>
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<tr>
<td>+ Australian Academy of Science For study and travel in the United States. Sir Maurice Byers Fellowship</td>
<td>August 21, 1991</td>
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<tr>
<td>+ The Happiness Fellowships</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>+ Nuffield Foundation Fellowship Awards Three month Fellowship in the U.K. - Curriculum development; teaching through Commonwealth themes, educational drama and performing arts.</td>
<td>August 28, 1991</td>
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<tr>
<td>+ ARC Australian Research Fellowships (Industry)</td>
<td>September 19, 1991</td>
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<tr>
<td>+ Robert S McVicar Fellowships Program To support postgraduate research in areas of economic development</td>
<td>December 10, 1991</td>
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<tr>
<td>+ National Campaign Against Drug Abuse 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. No Closing Date</td>
<td>No Closing Date</td>
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<tr>
<td>+ Education and Training Foundation. BHP Community Trust No Closing Date</td>
<td>No Closing Date</td>
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<tr>
<td>+ RADGAC Department of Community Services &amp; Health. Medical research and targeted research areas</td>
<td>No Closing Date</td>
</tr>
<tr>
<td>+ Research Management Committee Travel Grants. Research Management Committee Research Visitors.</td>
<td>No Closing Date</td>
</tr>
<tr>
<td>+ Child Accident Prevention Foundation of Australia. Telecom Research Funding.</td>
<td>No Closing Date</td>
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<tr>
<td>+ Wellcome-Ramaciotti Research Travel Grants.</td>
<td>No Closing Date</td>
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</table>

Information on the above grants is contained in 'NEWS' on the VAX cluster. Further information and relevant application forms are available from the Office for Research - telephone 21 5305.
The Rothbury Estate Presents Honours Scholarship to University Student

The Chief Viticulturalist at The Rothbury Estate, one of the Hunter Valley's leading vineyards, Mr Roger Dixon, presented The Rothbury Estate Honours scholarship to Mr Greg Hancock in the Geography Department recently.

Mr Hancock is undertaking a research project on the evaporation and transpiration in the vines and soils at the wine company's Denman vineyard in the Upper Hunter, and also how these levels relate to irrigation scheduling. The scholarship is aimed at easing the financial constraints of students undertaking original research in the field of Viticulture.

This is not the first time the Rothbury Estate has been associated with the University. Dr Graeme McIntyre, now a senior lecturer, undertook research at the company's Herlstone Vineyard for his PhD studies while Mr Ian McLean obtained his Bachelor of Science with honours for his research on the soils of the Rothbury 'home' vineyard. An observation and weather measurement site is also established on the Brokenback Vineyard, with data being used by Newcastle University students on field trips.

A spokesperson for the Rothbury Estate said the company recognises the work the Department of Geography is doing for the Hunter Valley region and is pleased to support the University with this scholarship.

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Details Soon

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