Master Plan for Shortland Campus

The University has commissioned the architectural firm, Eckford Johnson Partners, to undertake a review of the Site Master Plan of the Shortland campus to guide development for the next decade.

Announcing the commission, the Deputy Vice-Chancellor (Planning), Dr Doug Huxley, said that his preliminary statistical projection suggested that the population of the University, comprising students and staff, would increase from the present 14,000 persons to about 20,000 by the year 2000.

Dr Huxley said Eckford Johnson Partners had been asked to attempt to develop a Plan which could accommodate this growth within current planning principles.

"We expect the firm to take about six months to prepare a draft plan, after talking to representatives of various interest groups", he said.

"They will give us advice on the University's needs and offer comments on the future development of the sites.

"I expect there will be a great deal of comment on the draft Master Site Plan before the Vice-Chancellor eventually submits it to the Council for adoption".

Dr Huxley explained that the review by Eckford Johnson Partners related mainly to the Shortland campus although they would keep in mind the accommodation available at other sites such as the Shortland site, the University Conservatorium in Laman Street, Newcastle, NEWMED I, NEWMED II, the John Hunter Hospital at Rankin Park, and the Central Coast Campus at Ourimbah.

"One matter we want the site architects to address is the optimum desirable population of the current University sites", Dr Huxley said.

The Deputy Vice-Chancellor (Planning) said another main objective was to have a single unified campus at Shortland.

As the Vice-Chancellor has indicated to Academic Senate, there is only one campus in the Shortland area. It is quite inappropriate to use the terms East campus and West campus. Reference to location should be solely in terms of particular buildings on the site - the McMullen Building, the Hunter Building, the Auchmuty Library, the Richardson Wing, Engineering and so forth.

"One reason for locating the new Administration Building on a site opposite the Engineering Complex, and roughly in the centre of the site, was to establish a central reference point for students and staff.

Dr Huxley spoke of the fundamental principles of the review of the planning of the Shortland site. The principles were discussed with the various architectural firms which had applied for the commission.

"A green campus must continue to be the salient feature of the campus. We do not want significant change in the balance existing between the timbered environment and the buildings".

A corollary of this, Dr Huxley said, was maintenance wherever possible of the limitation on building heights.

"We are endeavouring to ensure that we don't have any buildings which rise significantly above the tree-line".

Dr Huxley said that in being asked to comply with these principles Eckford Johnson Partners faced the problem of producing a plan which included areas for further building development, so the University had potential for growth.

"Perhaps, with increases in the site population, we will get to a point at which we have no more land for buildings. Therefore, we may have to choose between further growth and some changes to our aesthetic principles".

Dr Huxley pointed out that as building developments were being planned the effect on pedestrian and vehicular movement would also have to be considered.

He said he didn't expect the site analysis plan to be ready for the Council before the end of 1990.

Directors of Schools, Deans, Heads of Departments, other staff, students and interested persons would be invited to comment on the proposals. "All expertise available will be tapped", he added.
Conference focuses on health risks

From April 26 to 27 the Faculty of Medicine will host a conference on Risk Imposition and Health Protection.

The conference theme is that it is useless for health promotion and health education experts to urge us to lead a healthy lifestyle when we live in a society that imposes risks on our health.

The organisers argue that rather than encourage healthy individual behaviour and more spending on curative medicine we should actively protect our health from the risks our environment imposes.

During the nineteenth century the health gains that resulted from measures such as improved sanitation, water quality and nutrition far outweighed those achieved by any other form of intervention, they say.

Experts will examine risk-imposers in the fields of air-pollution, the occupational environment, media and advertising and food production and processing.

They will consider the notion of acceptable risk, in these fields, and will determine what changes are necessary in order to protect health.

Speakers include:

Mr P. Arnall, Chief Executive Officer, ANI Arnall; Associate Professor P. Bell, Mass Communication, Macquarie University; Dr Y. Berger, ACTU/VT/HC Occupational Health and Safety Unit; Dr H. Bridgman, Geography Department (Newcastle); Mr J. Davern, Executive Producer, Australian Country Practice; Dr E.A. Emmett, Chief Executive, Worksafe Australia; Professor A. Henderson-Sellers, School of Earth Sciences, Macquarie University; Associate Professor M. Henley, Faculty of Medicine (Newcastle); Dr A. Jakeman, Centre for Resource and Environmental Studies, Australian National University; Professor A. McMichael, Professor of Occupational and Environmental Health, University of Adelaide; Professor K. O'Dea, Professor of Nutrition, Deakin University; Ms L. Kniha, Australian Consumers Association; Dr M.V. Tracey, Former Chief, CSIRO Division of Food Research and Mr M. Mowle, New South Wales State Pollution Control Commission.

Conference details are available from
Ms K. Byrne, Faculty of Medicine, University of Newcastle, New South Wales, 2308.
Telephone (049) 68 5612
Fax (049) 67 6366

See Choir and orchestra 'at close quarters'

Newcastle University Choir and Orchestra will offer an Open Rehearsal for its Good Friday concert - St. Matthew Passion by J.S. Bach - in the Great Hall on April 9.

At 6.30 pm, Mr Peter Brock will talk about the work, conduct a quiz for children and invite them to come on to the stage to observe the orchestral players at close quarters while the rehearsal is in progress.

The rehearsal proper begins at 7 pm. Admission will be $1 to cover the cost of a printed program.

St. Matthew Passion will be presented in the Great Hall on April 13 at 7 pm. It was first heard on Good Friday, April 13, 1729, in St. Thomas Church, Leipzig.

The Choir will be augmented on this occasion by the Waratah Girls Choir which will shortly travel to Wales to take part in the famous Llangollen Eisteddfod.

Two well-known Newcastle singers are among the soloists.

The role of the Evangelist will again be sung by Mr Paul Bevan.

Ms Jennifer Barnes, soprano, is well-known as a soloist and as a member of the Hunter Consort of Voices. Later this year she will undertake a two months study in London.

They will be joined by three Sydney soloists and Queensland baritone, Mr Arth Johnson.

Contralto, Ms Rebecca Gale is studying Voice Production at the New South Wales State Conservatorium of Music Opera School.

Mr David Hamilton, tenor, is a graduate of the Royal Scottish Academy of Music and Drama and is a member of The Song Company.

The bass, Mr Clive Birch, was one of the stars of the Australian Opera.

Tickets for the concert will be on sale at the door of the Great Hall and from the Civic Theatre, Latham's, Garden City and Charlestown, University Union and McDonald Bros, Maitland. Prices are $14 and $10 concession (booking fee where applicable).

Enquiries should be directed to 52 3009.

Dr David Lemmings has left England behind to join this University's Department of History.

After completing a brief appointment as a Research Fellow at the University of Adelaide, where, he says, he had happy experiences, he took the offer of a Lectureship so that he could remain in Australia.

"I wanted to stay because of the openness of Australian society, in particular the friendliness of people here", Dr Lemmings said.

Raised in London, he obtained a BA (with honours) and an MA from Sussex University, near Brighton, and a DPhil from Oxford University.

He is the author of two books on the English legal profession during the seventeenth and eighteenth centuries. One, Gentlemen and Barristers, will be released by Oxford University Press shortly.

He is teaching eighteenth and nineteenth social history and part of the Australian history course.

Dr Lemmings is keen to act in University stage productions - drama is one of his interests - and he is hoping to be able to give occasional lectures in the Departments of Law and Drama.
Inaugural dinner launches International House

To mark the commencement of the academic year, International House organised an Inaugural Commencement Dinner on March 15 for its members and invited guests.

The Southern Cross Lounge dinner was a colourful function because overseas members of the House wore national dress and most of the guests wore festal academic robes.

The Warden, Associate Professor Noel Rutherford, said Grace and there were toasts to International House and the University.

The Chairman of Governors, Mr Brian Relf, and the Vice-Chancellor, Professor Keith Morgan, responded to the toasts.

Professor Morgan said International House was a development which the whole University should be proud of. He welcomed the second student college to be established on the campus and said he was aware that through the staff and the students International House would have a fine future.

Miss Pamela Schmitt proposed the toast to International House. She is a new member of the house, and a Rotary exchange student from the United States of America.

The Deputy Warden, Ms Gcina Dlamini, who hails from Swaziland, was co-ordinator of the speeches.

Mr Relf delivered a report on International House and its recent activities.

In his own words: "That International House is a college devoted to the ideal of international goodwill is a tribute to Rev. John Crane, who first thought of it."

He noted that the Warden had had a long-standing association with the University, beginning in the early years of the University College when he was a part-time student and extending to his present role as executive head of International House and a teacher for the Department of History.

"Dr Rutherford came to us after having been Warden of Bruce Hall, a college at the Australian National University in Canberra, and he took over from Mr John Birch, who is also dedicated to International House and acted as midwife at its birth."

"International House has a long way to go yet and the support of the wider community will soon be sought in order to establish a cultural common room/dining hall", he said.

Mr Relf thanked two benefactors for having given International House generous support.

The Friends of the University had directed the $40,000 profit from the 1989 book fair to providing furnishings and embellishments for the common room and computers for residents to use.

A donation from Leighton Contractors Pty. Ltd., of $12,000 would be allotted to providing a swimming pool at International House - the first on the campus.

The support of The Friends and Leighton would be acknowledged, Mr Relf said, by the naming of the common room and the swimming pool after the donors.

Mr Relf also noted that International House's colours were green and white - the same colour combination as had been adopted by the former Hunter Institute of Higher Education.

"The colours will be a special reminder of one of the institutions now absorbed into the amalgamated University".

Professor Rutherford is in charge of about 80 boarders in International house, which is committed to admitting students from overseas countries matched by an equal number of Australian students.

The kind of accommodation provided is self-contained flats and the kind of catering is self-cook.

Wet weather delays new student accommodation

The recent inclement weather has caused a delay in the construction of the Evatt House student residential complex and the first block is not now expected to be available for occupation until the beginning of May.

The $3 million complex is being built adjacent to the East Gate access road and will eventually house 116 students in six blocks.

The Acting Manager of Evatt House, Mr John Birch, said the recent wet weather had caused a delay of about a month in the completion of the first block.

"Hopefully, the six blocks will be fully occupied by the end of August".

The residential complex is being named after the Chancellor of the University, Justice Elizabeth Evatt, and provides self-catering accommodation in which groups of 10 students will share common facilities.

The main focus of the residential complex is to provide accommodation for students from country areas and nearly 300 applications have been received for places in Evatt House. Initial offers have been made to students and further offers will be processed as the blocks are completed.

Students who have accepted offers made during February may expect to be notified shortly of accommodation being available to them in May.
Helicopter pilot tries University simulator

Hunter Region Rescue Helicopter Service pilot, Mr David Freeman, tries the Institute of Aviation’s flight simulator for instrument flight training.

Flying "on instruments" is necessary when reference with the ground is lost in bad weather or at night. Simulators can provide much of the instrument flying techniques common to fixed wing aircraft while leaving the helicopter free for rescue missions.

The Rescue Service includes three pilots, 10 rescue crew and rostered doctors and paramedics from local hospitals.

The diversity of tasks encountered by the Rescue Team is shown by the following extract from the crew log during a recent weekend:

- firebombing in Shortland;
- hoisted seriously injured man from Seal Rocks;
- road accident victim to hospital;
- medivac seriously ill child from Taree;
- search for four-year-old child missing in scrub; and
- over-water search at Port Stephens.

The familiar, red Bell 206, is limited by single engine performance. Success of the Angel I community appeal would enable the purchase of a twin-engined Dauphine.

A Dauphine helicopter would enhance the service provided to the Hunter Region by improved range and capability and the capacity to provide en-route medical attention to two patients.

A paramedic could be hoisted simultaneously with an injured patient under the added power and reliability of that second engine.

German films

The following German films will be screened from noon to 2 pm in the Audio-Visual Room, A132, McMullin Building, on:

Wednesday, April 4
  Der Flieger plus Deutschlandspiegel

Wednesday, May 2
  Der wilde Clown plus Deutschlandspiegel

The films have English subtitles.

Brett Whiteley's Paris

An illustrated talk and a coach trip have been arranged to enable people to enjoy Brett Whiteley’s Paris.

Sixty artworks executed by Brett Whiteley in Paris in June and July last year are presently being displayed at the Art Gallery of New South Wales in Sydney.

Lecturer in French, Mr Michael Connon, will give a talk on the exhibition in the Audio Visual Theatre in the Auchmuty library on April 24 from 1 to 2 pm.

On May 5 the WEA and the Department of Community Programmes will sponsor a coach trip, with Mr Connon as guide, to view the exhibition. It leaves at 8.30 am and returns at 6 pm.

Participants will make their own arrangements for lunch, but some places will be reserved in the delightful restaurant in the nearby Botanical Gardens for those who wish to eat there.

There will be at least two hours available for those who wish to visit one of the other exhibitions in the Gallery or something else in central Sydney.

The cost will be $15. For further details please telephone the WEA (26 4066) or the Department of Community Programmes (68 5600 or 68 5522).

The New Pollution Law
How does it affect you?

The New South Wales Government recently introduced fines of up to $1 million and jail terms to deter illegal waste dumping and spills of pollutants.

The Hunter Water Board and the Board of Environmental Studies, University of Newcastle, are holding an afternoon seminar to discuss the new Environmental Offences and Penalties Act.

The State Minister for the Environment, Mr Tim Moore, will speak at the seminar.

The factors influencing the development and implementation of the legislation, the role of the State Pollution Control Commission, the legal implications of the Act and specific pollution risk management plans will be discussed.

This seminar will be of special interest to people in: the legal profession; industry, mining and manufacturing; small business; the building industry and government instrumentalities.

Date: May 4
Venue: Lecture Theatre V01, University
Time: 1 to 4 pm
Cost: Free
Contact: 26 7206 or 26 7409

Mr David Freeman at the Controls of the Simulator
Department wins industry backing

Mr Bruce King will work in conjunction with Mr Mike Elfick, Senior Lecturer in Surveying, of which photogrammetry is a part, is a relatively small industry in Australia", he said.

"Surveying, of which photogrammetry is a part, is a relatively small industry in Australia", he said.

"Support of this magnitude can therefore be seen as a significant recognition of the research in this field which is taking place at the University of Newcastle".

Address in the Staff House on German Reforms

Prospects for German reunification will be the subject of an address to be given at the first meeting of the Newcastle Group of the Australian Institute of International Affairs this year in the Staff House on April 6.

Dr Dieter Gescher, Consul General of the German Federal Republic in Sydney, will give the address at 8 o'clock.

The meeting will be preceded by a buffet dinner at 6 for 6.40 pm.

Dr Gescher received his PhD from Bonn University and joined the diplomatic service in 1956. He has worked on arms control matters at home, while his many overseas postings include India, France, Canberra, Sweden, China and now Sydney.

Associate Professor Lionel Fredman, of the History Department, is making arrangements for the meeting.

Copyright survey ends - departments thanked

The survey of copying for copyright purposes conducted by AGB:McNair, which began in mid-December last year, was completed on March 9.

The Director of Legal Services, Mr Lionel Farrell, has written to the Departments of Biological Sciences, Geology, Physics, Chemistry, Mathematics, Statistics, Computer Science, Geography, Psychology and Sociology and the Institute of Aviation, which were called upon to participate, expressing his thanks for their help.

"Whilst some problems in the form-filling were encountered, I am aware of, and appreciate, the efforts made by the staff concerned to ensure compliance with the strict conditions of the survey", Mr Farrell said. "It is to be hoped that these efforts will prove acceptable to Copyright Agency Ltd."

He said that a survey of copyright copying, limited to a few departments, might not figure large in the awareness of managers wrestling with the problems of running a consolidated University.

Nevertheless, at stake had been the freedom of all members of staff to copy teaching material without the time consuming procedures and record keeping required under the Copyright Act. The participants in the survey deserve the gratitude of the whole University.

Mr Farrell explained to the BULLETIN that under the current copying arrangements members of the University were freed from the recording requirements for multiple copying under the Copyright Act, but not yet from its notation provisions.

"Accordingly, the front page of copies made under the statutory licence scheme should continue to carry the same notation as has been endorsed, printed or rubber-stamped to date", he said.
Artworks from Ancient Egypt at the University

Among the artworks to be shown at the forthcoming Egyptian Antiquities Exhibition at the University are a wooden statuette at least 5000 years old and a wooden statuette about 4000 years old. Surprisingly, the pieces will be available for sale.

Altogether the items on display at the Egyptian Antiquities Exhibition will span a period of some 4000 years, extending from Predynastic times to the Byzantine period.

Most art forms produced by the ancient Egyptians over this long period will be represented, including the statuettes, busts, pots, vases, fragments of bas-relief, funerary objects, such as masks, ushabtis, canopic jars and fragments of sarcophaguses, amulets, scarabs, coins, jewellery, terracotta figurines and oil lamps.

As well, objects made from a variety of different materials have been included, thereby reflecting the diversity of materials available to, and used by, the Egyptians at different times. Materials represented include ivory, alabaster, stone, wood, faience, granite, sandstone, gold, marble, limestone, bronze, terracotta, cornelian and stucco.

It will help to know the historical background.

Ancient Egypt comprised the Nile Valley, extending from the First Cataract near present-day Aswan, to the Nile Delta. As the Nile flows northwards, the Delta Region came to be known as Lower Egypt, while the Valley to the south was known as Upper Egypt. The fertile Nile Valley was enclosed by arid deserts to the east and west. As a result, Egyptian civilisation was able to develop in virtual isolation.

Between about 3000 BC and 332 BC there were some 30 dynasties, or ruling houses, in Egypt. While there is some confusion regarding actual dates of these dynasties, they are conventionally divided into these main groups:

- Early Dynastic (c 3000 to 2780)
- Dynasties 1 and 2, Old Kingdom (2780 to 2258)
- Dynasties 3 to 6, Middle Kingdom (2040 to 1786)
- Dynasties 11 and 12, New Kingdom (1580 to 1085)
- Dynasties 18 to 20, and Late Period (1085 to 332)

The Dynastic period came to an end in 332 BC, when Alexander the Great conquered Egypt.

Apart from the two wooden statuettes a number of other statuettes and busts will be on exhibit. While wood seems to have been used for many of the early statuettes and figurines found in tombs from Badarian and Naqada times, stone, alabaster, ivory, granite, sandstone, limestone and bronze were progressively used.

A number of bronze statuettes are included in the exhibition. Two are from the 26th Dynasty and a number are from the Ptolemaic period. There is also an Isis Fortuna bronze from the Roman period.

Ivory was a popular material from Predynastic times and was favoured both by craftsmen and by owners of art objects. Two ivory statuettes are included in the exhibition. There are also busts and heads made from granite, limestone and sandstone dating from the 19th Dynasty on.

There are two sandstone bas-relief fragments included in the exhibition. The first is from the 12th Dynasty, while the second is from the 19th Dynasty and is painted.

To the Egyptians reliefs were regarded as a durable form of drawing, and like most of their art work they were endow with magical qualities and were thought to be a means of securing eternal life.

Pottery was one of the first art forms produced by the ancient Egyptians. Bowls and pots have been found in cemeteries dating back to the Badarian civilisation of the second-half of the fifth millennium BC.

There are four pieces of early pottery and stoneware included in the exhibits which will certainly arouse considerable interest. All are from the first and second Dynasties period, i.e. c3000 to 2780. One is an alabaster pot, and a stone plate from the first Dynasty, and a pink alabaster vase and green stone vase from the first to second Dynasty period. The price range of these pieces is from $500 to $1,600.

Faience was a type of porcelain made by the Egyptians, which had a distinctive blue green colour.

Faience was used extensively in Dynastic times for the making of amulets, ushabtis, statuettes, scarabs, funerary jewels, bowls, flasks, goblets, boomerangs and weapons. It was frequently used as a substitute for semi-precious stones in the making of beads, necklaces, collars, and rings. It also acted as a substitute for glass, which was not made in Egypt until the New Kingdom period.

The Egyptians were a very religious people with a strong belief in the continuity of life after death. Not surprisingly much of the art produced by the Egyptians was of a religious nature, viz. statuettes of deities and funerary objects such as masks, the sarcophagus, canopic jars, amulets, statuettes of the dead, ushabtis, tomb paintings etc.

Most of these funerary objects are represented in the exhibition. Of particular interest are four funerary masks, all dating from the Roman period. Three are of wood, and the other made from stucco, which is a very fine and rare piece and valued at $10,000.

Ushabtis figure prominently in the exhibition representing the period from 18th Dynasty to Ptolemaic times. Their main function was to act in the tombs as substitutes for the dead and to assume the role of servants, performing all necessary labours for them in the after life.

As the ruling classes and well-to-do did not wish to perform menial tasks, the idea arose of creating substitutes to carry out the tasks for them.

Originally Ushabtis were made of wood, but by the New Kingdom they were also made of faience, limestone and, even,
The Egyptian Antiquities Exhibition, brought to the University by Re-Entombed Galleries, Sydney, will be held in the Green Room and Foyer of the Great Hall.

**Times and Dates**
- April 6, 12.30 to 2.30 pm (preview)
- April 7 and 8, 1 to 5 pm
- April 9 and 10, 11.30 am to 2.30 pm.

---

**Lecture on an exciting expedition**

The odyssey to South America and the islands was made by a band of stout-hearted travellers.

The Department of Biological Sciences' Galapagos Islands and South American Expedition provided an exciting scientific program and was enjoyed by its 20 members.

That was the message obtained by members of the University who heard Professor Barry Boettcher on March 19 give a lecture on the expedition's experiences and show slides and videos.

The expedition visited Easter Island, Santiago, the Galapagos, Lima, the Amazon Jungle, Buenos Aires and Patagonia last February. On the return trip the plane flew over the South Pole.

Professor Boettcher talked on Charles Darwin and the scientific significance of his visit to the Galapagos Islands on *HMS Beagle*.

The visitors from the University saw how Darwin came to the realisation that organisms varied according to the islands from which they originated.

"The Galapagos are composed of volcanic rock and are inhospitable, 'virtually a moonscape'," he said. "The extent of the number of animals is influenced by the prickly pear and other vegetation, which is rare".

Ms Pam Lake, who organised the expedition, said the possibility of another expedition going to South America in June/July, 1992, was being considered.

---

**Concert series commences in Newcastle**

A new concert series has commenced in the Newcastle Conservatorium Hall.

**Titled Subscription Concerts 1990**, the series of four varied concerts includes eminent Australian and overseas musicians performing a variety of classical music. The first concert was presented by the pianist, Mr Victor Sangiorgio.

**Subscription Concerts** have been presented in New South Wales for the past five years, with some financial assistance in 1988 and 1989 coming from the Arts Council of New South Wales. **Subscription Concerts** have taken over the role of the former ABC concerts.

Other concerts in the series will include Classics to Cabaret on June 22, with the New Zealand soprano, Ms Jennifer Moss, and the eminent clarinetist, Mr John Lennox.

The concert will have a lighthearted and sophisticated flavour, featuring music by composers as diverse as Handel, Schubert, Stravinsky, Ravel, Kurt Weill, Gershwin, Britten, Bolcom and Cole Porter.

In September the brilliant Australian pianist, Mr Michael Harvey, will play Liszt, Ravel, Scriabin, Brahms and Prokofiev.

The final concert for 1990 will present two young Australian instrumentalists, Mr Paul Goodchild (principal trumpet with the Sydney Symphony), and Mr Warwick Dunham (pipe organ/jazz piano), playing music by Handel, Purcell, Bach, Liszt, Charpentier, Bolling and Huboiz.

Subscriptions for this concert series offer a 50 per cent saving, and there are discounts for pre-booking.

Subscriptions and single sales are now open at the Civic Theatre booking office.
Appointed to Sociology Chair

Professor Lois Bryson (above) will take up the Chair of Sociology at the University around July.

Professor Bryson, presently Associate Professor in the School of Sociology at the University of New South Wales, was on study leave in England and West Germany before she recently returned to Australia.

Text wins book prize

A secondary social science text written and produced by Senior Lecturer in Educational Studies, Dr Terry Lovat, was awarded the Desk-top Publishing magazine's Publication of the Year award for 1989.

The notification of the award conveyed that, from a record number of high-quality entrants, *Studies In Australian Society* was chosen as the outstanding book of the year in terms of its readability and overall presentation.

*Studies in Australian Society* has been written to support existing curricula in Junior Secondary Social Science, as well as the proposed Australian Studies syllabuses being designed throughout the country.

Library Roundup

MIHILIST: The Australian Military History Database

The Auchmuty Library can now provide access to MIHILIST, a database created by the Australian Defence Force Academy Library in Canberra. MIHILIST covers all aspects of the military history of Australia, New Zealand, Papua New Guinea and the South West Pacific from the late eighteenth century to date.

It also includes such topics as conscription, anti-war movements, peace keeping operations, aid to the civil power and the "home front" during wartime.

The types of material in MIHILIST include journal articles, monographs, conference proceedings, newspaper articles, theses, audio-visual and other materials. The depth of indexing allows access to references to people, places and military units in the text v. articles and books.

For further information please contact Mr Jim Cleary at 68 5242.

Central Coast Campus Library

The new library at the Central Coast Campus is one component of the University of Newcastle libraries. As the WEA and TAFE will be sharing the site, it will become a multi-purpose library.

Several shelves of donations have been received with the disbanding of the Adult Education Library in Sydney. Thanks are due to Emeritus Professor Clif Ellyett for being alert to this opportunity.

Ms Elaine McRae, the library technician in charge of the Library, can be contacted about the collection and services (telephone: 043-622 077; PO Box 127 Ourimbah, or Fax 043-622 044).

Ms Joan Blatchford, the Assistant University Librarian (Support and Development) has overall responsibility for the Central Coast Campus Library and can be contacted at the Shortland campus (68 7276). She would welcome donations for the new Library.

Elizabeth Guilford and Jim Cleary
A visit by an American expert and his PhD student to the University could lead to the design of better control systems.

Professor D. Lewis Mingori, who visited the Centre for Industrial Control Sciences (CICS) in the Department of Electrical Engineering and Computer Science, worked for three months in partnership with Professor Graham Goodwin, who leads the Centre with Professor Rob Evans.

Professor Mingori, who is an expert in control systems for spacecraft and is attached to the School of Engineering and Applied Science at the University of California, Los Angeles, wrote a paper on Loop Transfer Recovery Design Using Biased and Unbiased Controllers whilst he worked with Professor Goodwin.

His PhD student, Mr Levant Turan, holds a mechanical engineering degree in Bogazici University, Turkey, and a science degree in Stanford University, United States.

In order to accompany his supervisor to Newcastle, he was granted leave of absence by the Hughes Aircraft Company, with which he has a research appointment.

Professor Mingori said the focus of the research project was on developing a good control system which was not sensitive to disturbances and small errors in modelling.

"This is my second visit to the University, and I am not only impressed but indebted to my hosts for their generous hospitality", he said. "The CICS has achieved a reputation at the highest international level because of Professor Goodwin and the Centre's research facilities".

Professor Mingori took the opportunity whilst in Australia to attend a gathering arranged by the Sydney Ferrari Club. He owns two Ferraris.

Mr Levant said the CICS, in his view, compared favourably with any other leading research unit anywhere in the world.

He was accompanied to Australia by his wife, Emine, and their young son.

The importance of the environment these days to most Australians has been reflected in an undergraduate degree being offered by the University for the first time this year.

The innovative Bachelor of Applied Science (Environmental Assessment and Management) course had little trouble in attracting 38 first-year students despite a limited promotion period last year.

The Acting Course Director and Program Co-ordinator, Mr Kevin McDonald, is a Senior Lecturer in the Department of Applied Sciences and has had extensive experience in environmental matters.

He said a great deal of background investigation into the need for such a course was undertaken during 1988 and 1989 and that a Course Committee comprising both internal and external members spent many hours last year developing a course structure and content which would be as relevant as possible to the perceived employment prospects of the graduates.

"A strong feature of the new degree program is that of 'Co-operative Education' which is spread throughout the three years", Mr McDonald said.

"In first year, this aspect takes the form of structured visits to co-operating industries, government agency facilities and sites of developmental works. A regular 'Field Day' has been timetabled into the course to allow adequate time for these visits as well as for inspection of natural and human modified ecosystems".

The course comprises four strands running through the three years of full-time study:

- Environmental Systems (including environmental management);
- Environmental Assessment (including monitoring and computing skills);
- Social Ecology; and
- Environmental Issues.

In the second and third years of the course, an elective subject may be chosen from outside the degree program and a purpose-designed elective module, "Environmental Field Experience", will be offered to meet the needs of those students who wish to maximise their anticipated "workplace" experience. In the third year a compulsory Specialist Study will foster an in-depth examination of a particular area of environmental knowledge and skills.

Mr McDonald said that central to the course is the overall objective of producing graduates who have clearly demonstrable skills in environmental monitoring, assessment, management and communication.

"Such abilities should qualify the graduate for employment in a diverse array of occupations in a world which has become convinced of the imperative of environmental protection", he said.

The lecturing staff responsible for the course constitute a team with regular consultations to maximise an integrated and holistic approach to the students' learning experiences. Five groups (of seven or eight students) have been formed for the purposes of data gathering, laboratory investigations, and discussions of environmental issues and problems. The technique of Action Research is being woven into several strands of the course.

Mr McDonald has expressed his delight at the quality of the pioneer intake of students, noting that at least another 12 students had been accepted but had applied for deferral pending the possibility of the course being offered in a part-time mode next year subject to demand and available resources.
University Shortland Wetlands Centre link strengthened

Since 1986 the Faculty of Education has conducted Environmental Education units in both postgraduate Diploma in Education and Master of Educational Studies courses, with Diploma students being given the option of carrying out one of their two practice teaching blocks at the Shortland Wetlands Centre.

The courses have gained strength each year and the co-operative University-Wetlands Centre program has been recognised by inclusion as one of the Good Practices in the Report of the Discipline Review of Teacher Education in Mathematics and Science recently released by the Federal Department of Employment, Education and Training.

This year, further consolidation has been achieved, with the largest enrolment yet in the Masters program. The Masters has been further strengthened by the inclusion of four second-year students from the Master of Environmental Studies who are taking Environmental Education as one of their support courses.

On February 27 the 115 students enrolled in all teaching methods in this year’s Diploma in Education course gathered at the Wetlands Centre for their welcome barbecue, followed by an afternoon session on how to implement the New curriculum Statement on environmental education across the total curriculum. Participants included representatives of Art Method, included in the Diploma this year for the first time.

Regular class sessions for both the Diploma Environmental Education Further Curriculum Studies unit and the Masters unit are being held at the Wetlands Centre.

On March 7, the Diploma and Masters groups combined for field studies activities at the Centre to examine ways in which it could support primary, secondary and adult education programs.

On March 14, the groups combined again for a short excursion, with follow-up work afterwards back at the Centre, led by the four Master of Environmental Studies members, on the environmental education issues emerging from the Hexham Swamp and Ironbark Creek problems.

Diploma in Education students at the Faculty of Education’s welcome barbecue at the Shortland Wetlands Centre.

Development Fellowships in human resources

Development Fellowships to help the universities of the Commonwealth develop the human resources of their countries through the interchange of people, knowledge, skills and technologies are being offered by the Association of Commonwealth Universities (ACU), of London.

The Vice-Chancellor has been invited to make a nomination for one of at least 25 Development Fellowships which will be offered by the ACU for 1990-1991.

Tenable between three and six months in developed or developing countries of the Commonwealth, the Fellowships shall be held in subject areas in which the needs of the countries are particularly great.

Fellows can come from inside or outside the universities. The Association wishes especially to encourage the movement of staff in both directions between industry/commerce/public service and the universities with a view to forging beneficial links.

The program has been devised for people of proven quality at a crucial stage of their career. It is not an immediately postdoctoral or degree-earning scheme; nor will Fellowships be offered simply for the pursuit of personal research.

The priority subject areas are:

- agriculture, forestry and food sciences (including nutrition and processing).
- biotechnology
- development strategies
- earth and marine sciences (including mining engineering, mineral resources, oceanography)
- engineering
- health and related social sciences
- information technology (e.g. computing, computer assisted learning)
- management for change
- professional education and training (e.g. in accountancy, banking, business studies, insurance and law), and
- social and cultural development.

Applicants when applying must, to be eligible:

- be on the staff of a university in an ACU membership, or
- be working in industry, commerce or public service in a Commonwealth country,
- be of proven high ability,
- be between 28 and 45 years of age,
- submit an acceptable program of work outlining its purpose and scope and the benefits which it is expected to bring to the country, the university, and the individual.

Fellowships will be tenable in any Commonwealth country other than that in which the applicant works, either at a university in ACU membership, or in industry, commerce or public service.

Those working in universities may hold a Fellowship in either another ACU member university abroad or in industry, commerce or public service broad; but those working in industry, commerce or public service can hold a Fellowship only at an ACU member university abroad.

The awards shall not exceed 5,000 pounds, which is intended to cover international return airfare at the lowest available economy class rate and by the most direct route, ground travel to home airport and from airport abroad to final destination, medical and travel insurance, local travel abroad, and board and lodging.

The names of persons interested in being nominated for the Development Fellowship should be sent to the Vice-Chancellor, Professor Keith Morgan, in the McMullin Building before May 31.
Forthcoming seminars

Saturday, April 7, 10 am to 4.30 pm
Full-day workshop on Intervention Methods with the Family to Reduce Schizophrenic Relapse. Over the last decade considerable interest has been produced by a number of studies designed to decrease schizophrenic relapse by alleviating stress within the family environment. An assessment method designed to elicit problem areas and potential stressor based on the EE measure will then be described. Lecturer: Dr Nick Tarrier. Enquiries: 68 5600 or 68 5522.

Wednesday, April 11, 9 am to 5 pm
Full-day workshop on Business Communication. Learn how to achieve a positive impact on your readers at work, in marketing, at meetings and conferences, with lively attractive and informative documents. The workshop will include a refresher course in grammar and style, as well as demonstration and practice sessions. Enquiries: 68 5522 or 68 5600.

Wednesday, April 11, noon to 1 pm
Department of Statistics seminar entitled The Use of Hospital Re-admission Rates as a Quality Assurance Outcome Measure. Speaker: Dr Stephen Ryan. Venue: V107, Mathematics.

Friday, April 20, 9 am to 5 pm
Full-day seminar on The Australian Economy - Future Prospects. We know that there is something wrong with the Australian economy, but precisely what are its fundamental flaws and what can be done to remedy them? This is a searching seminar that should interest all concerned citizens. Enquiries: 68 5600 or 68 5522.

Tuesday, April 24, 1 pm

Friday, April 20, 9 am to 5 pm
Full-day workshop on Overcoming Depression. The workshop will be an intensely practical one with the emphasis on taking you through a number of proven strategies for beating "the blues" which you will be able to apply in your personal life and in the work situation. Lecturer: Dr Peter Bamford. Enquiries: 68 5522 or 68 5600.

---

Watt Space appoints director

Ms Pippa Robinson is congratulated on her appointment by Mr Graham Gilchrist, Mr Stan Barwick, of the Hunter Students' Union, Mr George Drewery, who is President of the Watt Space Management Committee, and Ms Jacqui Henderson.

One of the University's newest enterprises, the Watt Space art gallery in the heart of Newcastle, has just appointed its first Director and Exhibitions Officer.

A person who is well-known in Newcastle art circles, Ms Pippa Robinson, takes up her appointment on a part-time basis on April 2 to co-ordinate the activities of the "shopfront" in Watt Street.

Ms Robinson is a graduate of the University, having an Associate Diploma in Creative Arts and Crafts and a Bachelor of Arts (Visual Arts). She has currently deferred her studies in the Graduate Diploma of Art, where she is specialising in sculpture.

Her appointment as Director and Exhibitions Officer was announced at a special function in the Watt Space gallery, which was attended by students, lecturing staff and people interested in art in Newcastle.

Watt Space was officially opened in September last year after a proposal by arts students Ms Jacqui Henderson (Visual Arts), Mr George Drewery (Graphic Design) and Mr Bryan Bulley (Visual Arts). The venture gained the support of the School of Visual and Performing Arts and the Hunter Institute Students' Representative Council and the gallery has already held a number of successful exhibitions in the intervening months.

Ms Henderson, who is Secretary of the Management Committee, said that the gallery had been very successful and was looking forward to promoting exhibitions which will show the full range of talents of not only art students, but those in other courses as well.

"I really see myself as a catalyst for the students", she said. "The gallery has been very successful and I'm looking forward to the challenge once I settle into the position".

The Head of the School of Visual and Performing Arts, Mr Graham Gilchrist, said at the announcement of Ms Robinson's appointment that Watt Space had been well supported by the community and that both the SRC and students were behind the effort.

The opening of the gallery has been a success and already achieved results. We are all now looking to the future with great expectation as I believe Ms Robinson's appointment will help the cohesion of the gallery and bring forward further improvements", Mr Gilchrist said.

The Watt Space gallery is located at 11 Watt Street, Newcastle, and is open Mondays to Thursdays between mid-day and 6 pm.
Uni's part in Hunter health discussion

Several University staff members will be contributors to a special function in Newcastle celebrating World Health Day.

The Hunter Region Branch of the United Nations Association of Australia (NSW) has announced a panel discussion on The Health of the Hunter in the David Maddison Clinical Sciences Building in Newcastle on April 7 at 2 pm.

The Branch has organised the panel discussion in co-operation with the Hunter Medical Association, the Hunter Postgraduate Medical Institute and the University's Schools of Health and Medicine.

Members of the panel include:

- Dr Andrew Refshauge, Deputy Leader of the Opposition and Shadow Minister of Health
- Dr Owen James, the Chief Executive Officer, Hunter Area Health Service
- Professor John Hamilton, Dean of the Medical School
- Professor Richard Heller, Professor of Community Medicine
- Professor David Christie, Professor of Environmental and Occupational Health
- Ms Jenny Graham, Head of the School of Health
- Professor Vaughan Carr, Professor of Psychiatry
- Dr Bruce Bastian, Director of Cardiology, at Royal Newcastle Hospital
- Dr David Sutherland, Director Clinical Immunology at Royal Newcastle Hospital
- Clinical Associate Professor, and Dr Romesh Amar.

Topics to be discussed will include AIDS, cancer, heart disease, alcoholism and mental health, environmental and occupational health, women's health, maternal and child health, school health, migrant health, nutrition, Aboriginal health and problems of the elderly.

Two ventures from Community Programmes

The Department of Community Programmes is offering a one-day course on industrial relations and a one-day seminar on the economy and its implications for Newcastle.

Senior Lecturer in Economics, Dr Duncan Macdonald, will present the industrial relations course in the Audio Visual Theatre in the Auchmuty Library on April 6, beginning at 9 am.

Dr Macdonald said that recent decisions and policy revisions by all the relevant parties - unions, employers, governments and the tribunals - meant that the Industrial Relations environment in the 90s would be markedly different from that prevailing in the 80s.

"The course will review these decisions and policies and the main legislative and institutional developments that are significant for Industrial Relations in the 90s. It will concentrate specifically on their implications for relationships at the plant level, giving considerable attention to the implications and ramifications of the ongoing processes of award restructuring and work reorganisation", he said.

The seminar on prospects and opportunities emanating from the economy will be held at the University on April 20. The speakers and their topics are:

- Professor Barry Hughes, The Australian Economy After the Election;
- Mr John Burgess, Monetary Policy and interest Rates: Future Trends; Dr Duncan Macdonald, The Australian Industrial Relations System - the implications of recent changes; and Dr Winston Dunlop and Mr Gary Keating, The Hunter Region Forecasting Model: some preliminary findings.

The fee for each event is $60.

Club's feat in cricket

The district cricket premiership finals have been concluded, with University victorious in the two lower grades.

University's fourth grade team were minor premiers. In the fourth grade semi-final, Warahat-Mayfield scored 59, but were out-performed by University (3 for 63). Mr J. Richardson took 4 wickets for 12 and Mr R. Pinkivitch 3 for 8, whilst Mr J. Fryer made 28 runs not out and Mr P. Fryer 14 not out.

In the final on March 24, University (141) defeated Newcastle City (137). Mr G. Mankelow (28) and Mr R. Faraday (27) were our best batsmen.

University's fifth grade team looked certain to be euchred in the semi-final match by Belmont. Belmont scored 89 and University, in reply, was 7 for 35. However, the captain, Mr Peter Tate, assaulted the bowling and University took the cake.

In the final University defeated Stockton. Mr N. Quinn scored 22 not out.

Moving Sale

Most items in the house will be sold including: leather lounge suite, piano, organ, hi-fi, etc. (too many items to be listed). Please telephone Paul for further information at Extension 264 or 51 4921 after hours.

Accommodation Wanted

Commencing on June 4, 1990. Small flat, unit or half house for Lecturer joining the Department of Cultural and Curriculum Studies. Happy to share with others until the end of the year. Please contact Chris Weckert, 12 Churchill Avenue, Wagga Wagga.

Visiting Professor requires three bedroom house, preferably close to the sea or lake, commencing July 15 for 12 months. Please contact Professor Antonia at 68 5408 if you are able to assist.

For Sale

Microbee 64K computer 'In-a-Book' system, 3.5 disk drive, 12" mono monitor with free programs. Asking price: $600 or near offer. Please telephone 43 9217 evenings.

Items - cot, $40; sheepskin car seat cover, $15; bike helmet, $5; stereo with two mag. speakers, $40 plus fishing rod and reel, $40. Please telephone 52 2462.

1975 Toyota Corona station wagon (looks rough, goes very well). Registration OLV511, needs a little TLC for rego due in May. Asking price: $1,500 or near offer. Please telephone Richard Tipping at 68 7217.

Barbecue, "Down Under" Weber-clene, covered gas wonder cook-all (one year old), cost $350, selling for $200 or near offer. Please telephone 55 8101 after hours.

The BULLETIN'S slogan for April

"If you think research is unnecessary, try guesswork."