University announces interim Shoalhaven campus

The Vice-Chancellor, Professor Ken McKinnon, has announced the establishment of a campus of the University in the Shoalhaven area.

The University of Wollongong has for the last 10 years been offering courses in the Shoalhaven. Most of these courses have been related to teaching and management qualifications and have been taught in a variety of locations.

In 1990, the University undertook a feasibility study on the establishment of a Shoalhaven campus.

Recognition that the Shoalhaven is a rapidly growing area with a population of 100,000 envisaged by the year 2000 led the University to enter into discussions earlier this year with Shoalhaven City Council to identify a site for a campus.

On 11 December the University Council endorsed the establishment of this campus and the commencement of teaching there from the beginning of next year.

Initially the campus will be located at an interim site at Graham Park, Berry. The Graham Park facility is situated on the Princes Highway approximately 10 minutes travel time north of Nowra. The facility will be known as the Shoalhaven Campus at Graham Park, University of Wollongong.

A limited range of first year subjects from the Bachelor of Arts and Bachelor of Commerce schedules will be available from the beginning of 1993.

The University is planning to offer the following subjects at Shoalhaven in 1993:

**Autumn Session:**
- ECON190, Introductory Macroeconomics (ECON101 equiv).
- MGMT190, Organisational Behaviour (MGMT101 equiv).
- POL 190, Introduction to Politics (POL111 equiv).
- SOC 190, Sociology 1A (SOC103 equiv).
- HIST191, Australian History Before 1850 (HIST154 equiv).

**Spring Session:**
- ECON195, Introductory Microeconomics (ECON111 equiv).
- ENGL190, Contemp Writing in Australia (ENGL113 equiv).
- ITAC190, Intro to Information Technology and Communication (ITAC101 equiv).
- POL 191, Power in Australia (POL121 equiv).
- SOC 191, Sociology 1B (SOC104 equiv).
- HIST192, Australian History from 1850 to Federation (HIST164 equiv).

The University's Conservatorium of Music will also use part of the facility for the teaching of Childhood Music Education and the Aboriginal Education Centre is planning to offer Aboriginal Studies at undergraduate and postgraduate levels, preparation courses for Aboriginal students and community initiated courses.

A Campus Co-ordinator will be appointed who will also do some teaching.

There will be a part-time administrative staff member to assist the Co-ordinator and handle enquiries.

The Aboriginal Educational Education Centre will also have a staff member based on the campus.

Responsibility for all subjects will be carried out by full-time University of Wollongong staff.

However specially recruited staff may be used to handle support teaching such as tutorials and consultation times but they will meet the University's existing criteria for appointment as part-time academic staff.

All staff will be timetabled as they are for normal main campus activities.

The teaching facilities will be equipped to a similar standard to those at the main campus.

The main teaching space is an auditorium with a capacity of 45-50 people, seated at tables. Tutorials will be held in the three tutorial rooms each holding 10-15 people.

There will be a collection of texts and reference materials for each subject on offer placed in the Shoalhaven City Library which will be administered by the Shoalhaven City Library staff at its

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Happy Christmas

This is the final issue of Campus News for 1992. We wish you the best for Christmas and a happy and peaceful New Year. Our first issue for next year will be 20 January. Editorial deadline will be noon Monday 11 January.
Campus News was honoured to learn recently that the Hon. EG Whitlam, AC QC, reads these pages thoroughly and would like to thank him for his interest.

Application forms for ARC Large Grants and NH&MRC Grants are available for 1994 research funds.

Should you require an application, contact ext. 4323.

**Brief News**


Theme: Theory and Practice in Australian Social Policy: Rethinking the Fundamentals. Please send submissions to 1993 Social Policy Conference Papers, SPRC. University of NSW, PO Box 1 Kensington NSW 2033

**Gerontology scholarship selection criteria**

Australian College for Seniors Scholarship in Educational Gerontology 1993

Criteria for selection:

1. Applicants shall be Australian citizens or permanent residents.
2. Applicants must be able to show evidence of not less than three years active involvement in some aspect of gerontology concerning the study of the educational and/or recreational needs of older people.
3. Applicants shall use the scholarship to pursue a course of study, research or other approved activity that will contribute to the development of a better understanding of, and improvement in, educational facilities and opportunities for older people.
4. Applicants shall submit an outline of the proposed area of study or research, including the name of a person willing to provide supervision and support.
5. In accordance with the concept of life-long education, the scholarship will be awarded on the basis of merit and regardless of age.

Written applications should be sent to the Australian College for Seniors, University of Wollongong, Northfields Avenue, Wollongong 2522, by 1 February. The value of the scholarship for 1993 is $5000 and the winner will be announced on 1 March.

The Australian College for Seniors is a non-profit educational travel organisation providing holidays and leisure activities in Australia and overseas for mature-aged people who seek a stimulating learning experience.

**University announces interim Shoalhaven campus**

From page one

expense.

The use of an on-line catalogue and document transfer facility will allow students remote access to reference material in the library on the main campus.

Teaching staff are providing the librarian with lists of titles to be made available in the Shoalhaven City Library and/or the small working collection held on campus.

The composition of the student population is expected to be a mixture of school leavers and mature-age students totalling approximately 30 EFTSU.

Preliminary UAC figures indicate that there are at least 47 first preferences to study Arts and Commerce at the main campus from students in the Shoalhaven.

It is anticipated that there will also be several people who have not applied through UAC at this stage but who would be eligible and would want to take advantage of the opportunity presented to study in their local region.

These people will be invited to make direct application to the University.

Professor McKinnon said: 'The University of Wollongong has by charter a special relationship with the Illawarra region which includes the Shoalhaven and Southern Highlands regions.

'The University takes seriously its commitment to make higher education accessible to students from this region.

'Courses offered at Shoalhaven will be subject to the same evaluation and assessment procedures as all the offerings at the main campus.

'Academic staff will move between the two campuses and provide the same quality of teaching.

'Computer facilities linked to the main campus network will enable students in the Shoalhaven to take advantage of the University's computer-aided learning and multi-media packages and to access lecturers and facilities at the main campus.'

Professor McKinnon said the University had been encouraged to proceed by the level of community support for this project, especially from Shoalhaven City Council.

'The establishment of a permanent campus and expansion of offerings to later levels of undergraduate courses and to graduate level will depend on demand over the next three years and the availability of future funding.'

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Congratulations to Monika Manthey, Department of Chemistry who has won the Tertiary Academic category of the 1993 St George Youth Endeavour Awards.

Monika achieved an outstanding academic record during her studies in the Department of Chemistry. She has won a $1000 St George Savings Account and a weekend for two at the Northbeach Park Royal.

The 1993 Parking Permits will be on sale from 4 January 1993 from the University Cashier, Administration Building.

Prices for parking permits remain as they were in 1992:

- Reserved Parking: $620 p.a.
- Category 1 – Red: $130 p.a.
- Category 2 – Blue: $75 p.a.
- Category 2 – Blue – Single Session: $40 p.a.
- Daily Permit: $2 per day

The 1993 permit label is electrostatic and can be transferred between vehicles. This is to encourage car sharing and does away with the need to purchase an extra permit for $10 to cover the other car.

Staff pay deductions are available for Reserved and Category 1 permits and the pay deduction form should be completed on the permit application form. Collect a copy of the 1993 Parking Rules when purchasing your new permit.

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Collect a copy of the 1993 Parking Rules when purchasing your new permit.
Launch of 1993 Girls in Engineering Summer School

Vice-Chancellor Professor Ken McKinnon (at lectern) with representatives from the sponsoring organisations. (L-R) Phillip Brown, Colin Seaborn, Tibor Rosgonyi (Dean, Faculty of Engineering), Robyn Lister, Jim Langridge, Maurie Taylor, Tony Reid, Lyn Stafford and Hugh Babbington.

With strong practical support from government and industry, the Faculty of Engineering at the University of Wollongong will again host 80 high school girls from various areas of NSW who will attend the four-and-a-half day residential 1993 Girls in Engineering Summer School in January.

The purpose of the Summer School is twofold.
First it will broaden the career options of female high school students to include engineering careers and foster an interest in non-traditional subjects such as maths and science.
Secondly the faculty will gain information on educational method and subjects from these students to assist in modifying and developing better engineering curriculum.
The inaugural Engineering Summer School was held in January 1992 and was attended by 74 girls from the Illawarra and from many rural and remote locations in NSW.
All the attendees stated that they enjoyed the Summer School and that it had been important to their future career development.

Sponsored by: The Water Board, BHP Slab and Plate Products Division, Pacific Power, Telecom-Customised Software Solutions, Roads and Traffic Authority, Kembia Coal and Coke, The Illawarra Technology Corporation, the University of Wollongong, and the Department of Employment, Education and Training.

Several girls are considering a professional engineering career as a result of attending the 1992 Summer School.
More immediately, the Summer School provided the girls attending with a supportive network of other girls interested in taking higher level maths and science at school and in pursuing non-traditional careers.
The strength of demand for initiatives such as the Girls in Engineering Summer School is clearly demonstrated by the number of high quality applications received from girls wishing to attend the Summer School and by the ongoing interest and requests for information from teachers, careers advisers, high school principals, other universities and state and federal government departments.
This year, although schools were limited to three student applications per school, demand for places at the Summer School remained high.
In addition, several schools indicated that if allowed they could submit many more names of female students who would benefit from attending the Summer School.
Acceptances for places in the 1993 Summer School are being received, and this year’s Summer School promises to be just as successful as its predecessor.
The girls who will be attending represent schools from Bourke, Broken Hill, Walgett, Lightning Ridge, the Riverina, the South Coast, the southern and western regions of Sydney, the Illawarra, the Blue Mountains and many other parts of the state.
The girls stay at International House and all attendance fees and accommodation expenses are provided through the generous sponsorship of the Summer School’s corporate and government sponsors.
The University Council met on 11 December. The results of the recent Council elections were noted and Ms Sue Rowley (academic staff representative) and Ms Felicity McGregor (general staff member) were congratulated on their election to Council. Council moved a vote of thanks to Dr John Panter for his services to Council and the University during his nine years as a member. (The motion was passed by acclamation.)

The Council also thanked, by acclamation, Mr Noel Diffey for his services to the University Union and the University during his time as Secretary/Manager of the Union.

The other major items of business were as follows:

- Council received the Review Reports of the Departments of Materials Engineering and Human Movement Science. As a result of the Review, the Department of Human Movement Science will be renamed the Department of Biomedical Sciences and the selection process for a Chair in Biomedical Sciences has begun.
- The recommendations from the latest round of Academic Promotions and Continuing Appointments Committee meetings were approved and the Vice-Chancellor was authorised to approve the recommendations from the current round of meetings. (Enquiries to Ross Walker, Personnel).
- The final 1993 Budget Summary was approved.
- Council endorsed a schedule of positions eligible to receive the new allowances (approved at Council’s October meeting) for Heads of Departments.
- The 1991/1992 Annual Report and Financial Statements of the Illawarra Technology Corporation were received.
- Council received the 1993 Budget from the SRC and approved the following increases in SRC charges for introduction in 1993:
  - SRC entrance charge from $4 to $6
  - SRC annual charge from $29 to $36
- Council received the 1990-92 Director’s Report on the Wollongong Conservatorium of Music and a brochure on the Conservatorium’s programmes.
- Council approved the deregistration of the Friends of the University as a registered company and its continued role as an Association within the Office of Development and Community Affairs.
- The University’s participation in the Australian Consortium of Higher Education in Malaysia was noted.
- Council endorsed the establishment of an interim Shoalhaven Campus at Graham Park, Berry, noting that it is expected to commence offering courses in Autumn Session 1993. (See the feature article in this issue.)

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New Literatures Research Centre

1993 CHILDREN’S LITERATURE CONFERENCE

Australian Children’s Literature: Finding a Voice

Saturday, 27 March, 1993.
The Pentagon, University of Wollongong

In 1991, the New Literatures Research Centre staged its first Children’s Literature conference. There were 175 delegates from four states. The conference papers were published in 1991, as the monograph: Children’s Literature and Contemporary Literary Theory.

The positive response to the conference demonstrated the need for opportunities for interested readers, teachers, librarians, writers, students and academics to come together to discuss issues in the teaching, reading and writing of children’s literature.

The 1993 Conference Theme: Finding a Voice

We are at present calling for papers exploring the following ideas:

- Early Australian children’s books were written mainly with a British audience in mind, and spoken with an Imperial voice.
- As the years advanced and the audience widened, Australian writers found their own voices as they came to terms with fresh experiences and the differences of the new land.
- The numerous voices heard in Australian children’s literature reflect on our nation’s social history, chart its changes and trace our growing national identity.

The Registration fee of $60 ($55 for students) includes a two-course lunch. Registration plus Conference dinner is $95 ($90).

Abstracts of papers should be submitted to Michael Stone, the conference co-ordinator, or Carmel Pass, Professional Officer, Department of English no later than 15 January, 1993.

FAX: (042) 21 3179.
Phone: (042) 21 3226 (direct line) or (042) 21 3677 Administrative Assistant, Maryann Pearce.
Opening of Office of Development and Community Affairs

The University's Office of Development and Community Affairs was officially opened by the Chancellor Dr RM Hope on Friday 11 December.

This Office will bring together the following functions:

**Foundation:** To seek individual and corporate benefaction to further the aims of the University, by advancing major projects in accordance with priorities determined by the University Council and assisting and co-ordinating the soliciting of endowment and benefaction for all University-related purposes (Executive Director: Mr Peter Rose).

**Cooperative Scholarships:** To seek scholarships from business, industry, government, public instrumentalities and the professions providing financial support and relevant work experience for students (primarily, but not exclusively, undergraduates) (Dr Brian Gillett and Mr Peter Rose).

**Alumni:** To build bonds with former students and staff of the University (and its direct antecedents, e.g. Wollongong University College, Wollongong Teachers College) thereby creating a self-conscious and well-informed community which will assist in advancing the reputation and the interests of the University locally, nationally, and internationally. (Executive Officer: Ms Juliet Richardson).

**Friends of the University:** To build bonds with the wider community, particularly – but not exclusively – in the Illawarra, to ensure strong community support (especially in terms of intangibles such as good will) for the University, and to identify opportunities for the University to be of service to the wider community, and vice-versa.

The office is located on Level 3 of the Union Building.

Wollongong part of Sydney Biennale

This year's ninth Sydney Biennale, 'The Boundary Rider', has a Wollongong satellite exhibition.

The exhibition at the City Gallery also shares the Biennale theme: to investigate conceptual and material boundaries and their contingency.

These boundaries can be socially determined or individually constructed by the artist's desire, skill and imagination.

Jo Holder, the exhibition's guest curator, has designed 'Wish Hard' as a series of installations to create a public walk through the historic upper level of the Wollongong City Gallery, formerly the old City Council Chambers.

Built in 1974 this building is of significant architectural and heritage interest.

Its late modernist architecture provides both a stage and counter point to the post-conceptual concerns of this art generation. The exhibition is being held until 31 January.

A day of seminars was held on 16 December, as part of the Biennale, to focus on the different approaches to exhibiting art. Titled 'Wish Hard – Working Ways', these seminars which were presented by the School of Creative Arts and chaired by Sue Rowley, focused on the different approaches to exhibiting art. Speakers included both Australian and international artists exhibiting in the Biennale and its satellite programs.
In April this year Brian Howe, Minister for Health, Housing and Community Services announced that the University of Wollongong had been successful in its bid for the National Reference Centre for Continuing Education in Primary Health Care.

The bid for the centre was developed by an alliance between the University of Wollongong, Healthy Cities Wollongong and Canberra, the Illawarra Area Health Service, the South-West Sydney Metropolitan Area Health Service and the University of NSW Department of Community Medicine.

Sue Kirby has been appointed as the director and will also hold the position of Associate Professor in the Department of Public Health and Nutrition. She has begun a two-year appointment.

Ms Kirby was formerly Executive Director of Community Health and Health Services Development for ACT Health.

The Centre is funded by the Commonwealth under the National Better Health Program.

Its role is to develop the primary health care workforce through promoting and enhancing continuing education.

To do this it will provide:

- information on continuing courses/programs currently available;
- standards for continuing education programs developed in consultation with providers and users;
- model programs for continuing education in primary health care with particular emphasis on the multidisciplinary approach and programs which can be used at the workplace.

The present environment presents opportunities for the development of primary health care because the Commonwealth Government is currently developing initiatives to enhance general medical practice.

General practitioners are seen as key providers of primary health care services.

The Centre will be developing joint continuing education programs for GPs and other primary health care workers, including for example community nurses, physiotherapists, occupational therapists and social workers.

Arrangements for the funding of health services are currently being negotiated between the Commonwealth and the States under the Medicare Agreement.

There will be a new emphasis on health outcomes i.e. improvement in the health of the community and the prevention of illness.

This means that the focus of the health system will move away from the acute care hospital-based treatment/illness services to those services based in the community which improve and maintain health.

The Centre will also have a role in advocacy for reform of the health system, particularly primary health care services which are used by the community much more often than hospital services.

It is only by developing the many different workers involved in primary health care that the true potential of the health system to improve the health of Australians can be realised.

Ms Kirby said Australia spent eight per cent of GDP on health.

'We want to ensure that we get value for money,' she said.

'It is time we took more notice of how to keep healthy, rather than waiting until we get sick to take action.'

In the past this has meant that most of the money goes towards high cost, high technology hospital services.

'While there is always a need for acute care, it is time we took more notice of how to keep healthy, rather than waiting until we get sick to take action.

'Primary health care includes illness prevention and health promotion as well as treatment and cure.

'Tragically, the best indicator of health is income. This means that people at the lower end of the socio-economic scale are more likely to have poor health.

'Primary health care addresses social health issues by designing services which take into account other needs including access to transport and education, environmental issues, and the needs of people from non English speaking cultures.'
The 37th Australian Mathematical Society Annual Conference will be held at the University from 5-9 July 1993.

The following have so far accepted invitations to speak at the conference on non-specialist topics:

- Robert F Churchhouse (Cardiff), Coding, Fractals, Computational Mechanics.
- Jack Gray (A.M.P.), Mathematics of Finance.
- Henrik G Petersen (Odense), Constrained Dynamical Systems.

The following have so far accepted invitations to speak on more specialised topics.

- Jonathan Alperin (University of Chicago), Group Theory.
- Shui-Nee Chow (Georgia Institute of Technology), Dynamical Systems, Bifurcation Theory.
- Jack K Hale (Georgia Institute of Technology), Differential Equations, Bifurcation, Dynamical Systems.
- Jennifer Seberry (Wollongong), Combinatorics, Computer Security.

The Organising Committee is: Director, Associate Professor Martin Bunder; Secretary, Dr Graham Williams; Treasurer, Dr Philip Laird.

Enquiries to Dr G H Williams, tel. (042) 21 3853.

### New theory may explain NSW coastline

Associate Professors Bob Young and Ted Bryant from the Department of Geography have found evidence that a huge wall of water—a tsunami—might have hit the Australian coastline around 105,000 years ago.

They began to suspect that this might have happened when they read in a research paper of an enormous submarine landslip that took place off the island of Hawaii at that time.

They theorised that the resulting tsunami would have reached the east coast of Australia which would explain a long standing enigma of the NSW shoreline.

Barriers of dunes edge the shore of southeast Australia except for the coast lying south of Newcastle.

Here the dunes lie on the south-west corners of headlands only.

They suggest that the dune barriers once edged the whole of this shoreline, but the tsunami from Hawaii swept them away.

Research is continuing to find further evidence to support this theory.

### Science Centre holiday times

The Wollongong Science Centre provides quality entertainment for the whole family.

It has more than 120 hands-on exhibits to enjoy, a short-wave radio communication desk, a science shop, a function room for birthdays and trained explainers to ensure you get the most out of your visit.

The Science Centre is open during the school holidays from 2 January and every Saturday and Sunday (1-5pm).

It is located in Cowper Street, Fairy Meadow at Campus East.

Phone: 83 6665.

The centre is closed from 21 December to 2 January.

### AVCC slam AARNet funding slash

The Australian Government has reneged on its Budget commitment to fund a substantial upgrading of Australia’s major research information tool, the Australian Academic Research Network (AARNet).

Australian Vice-Chancellors (AVCC) President, Professor Ken McKinnon, said that the Federal Government, in its announcements on funding the Co-operative Research Centres, had backed away from its $13 million commitment to ensure that AARNet continued to link Australia’s researchers nationally and internationally.

‘Originally, it was proposed that AARNet be incorporated into a special co-operative research centre with a substantial increment in the standard of computer networking linking our scientists as an integral part.

‘Various difficulties arose with this proposal plus outside bids which attempted effectively to take control of AARNet away from its original sponsors – the AVCC, the CSIRO, and the Australian Research Council.

‘This was vigorously opposed and a new proposal brought forward. Under this proposal AARNet should have received $8.5 million toward an upgrade to ensure it was abreast of communications development, with the balance of funds going to research and development.

‘Now this contribution has been whittled away to a mere $3.4 million.

‘This will not be sufficient to ensure that Australia’s researchers are on-line to the latest science developments.

‘AARNet is playing a major role in underpinning research and development in Australia.

‘It is linking the best with the best — whether it is in Australia, the United States or Europe.

‘It is — at relatively low cost — cutting away the distance disadvantage suffered by Australian research.

‘It links researchers with business and boosts the clever country.

‘The promised funding must be forthcoming, or Australia’s research effort will suffer a further serious setback at a time when it is needed most.’
Award-winning article claims engineers should not be blamed for accidents

Dr Sharon Beder, from the Department of Science and Technology Studies has taken out a Michael Daley award for Science, Technology and Engineering journalism.

The awards are named in memory of the late Michael Daley, inaugural Executive Director of TV Science for the ABC. They are funded by the Science and Technology Awareness Program and the institute of Engineers, Australia.

Dr Beder was awarded the 'best entry by communicator not deriving majority of income from journalism' for her article The Fallible Engineer which was published in New Scientist (international edition) on 2 November, 1991.

In this article Dr Beder, a chartered professional engineer, claimed Australian engineers are being blamed for accidents and failures that are beyond their control.

‘Engineers feel people are increasingly looking for someone to blame when accidents happen, rather than accepting accidents as an inevitable part of life,’ she said.

Dr Michael Dack, a national director of the Institution of Engineers, said Dr Beder’s article highlighted a problem of major concern to the Institution and its 60,000 members.

He said the apportioning of blame for engineering disasters to individuals, such as the 1988 charging of an engineer with manslaughter after a railway embankment collapsed, could ultimately destroy the engineering profession.

‘Engineers must accept – and persuade others to accept – that bridges do collapse and planes do crash just as lawyers lose cases and patients die despite their doctor’s best efforts,’ he said.

The 1992 awards attracted about 90 entries and were offered across a record nine categories, with award winners coming from Sydney, Newcastle, Adelaide, Canberra, Melbourne and Wollongong.

The Minister for Science and Technology, Ross Free, congratulated the winners and said that the standard of entries reflected the trend towards more high quality reporting of science, technology and engineering in the Australian media.

The winners will be presented with their awards at a ceremony at the Australian Science Festival in Canberra, during March, at which time the best overall entry will also be announced.

Note: Dr Beder has also just released a book, The Hole Story based on research into ozone depletion that she conducted when she was head of the University of Sydney’s Environmental Education Project.

What’s On

HOPE THEATRE

Bookings Ph 2147214
Western Entrance Northfields Ave

8-11 Feb: International Conference on Environmental Management – geowater and engineering aspects. This conference will be very useful to young professionals and experienced decision-makers in the civil, mining and environmental engineering industry. For further information contact Dr Siva Sivakumar, tel. (042) 21 3055.

GENERAL

Call for presentations: Education for a Global Society. International conference 4-9 July 1993. The University of Western Australia. This conference will focus on the development of teacher training programs which provide teachers with a global perspective, a universal value orientation and competence in evaluating curriculum materials. Any one who would like to participate write to Dr Majorie Tidman, PO Box 1044, Carnarvon WA 6701.

To all pool users: The pool will close on Saturday 19 December at 5pm and will re-open on Monday 11 January 1993 (weather permitting and pending retiling completion).