THE UNIVERSITY OF WOLLONGONG

CAMPUS NEWS

August 21, 1990

ANZAAS conference at Wollongong University

THE AUSTRALIAN and New Zealand Association for the Advancement of Science (ANZAAS) will hold its first conference to concentrate on the research activities of a specific institution at the University of Wollongong on February 11 next year.

The conference, held in conjunction with the University, will be called 'Illawarra Innovations'.

It will focus on some major reaserch and development activities of the University and local industry.

The idea for the conference arose after the Director of the University's Resources Division, Professor Howard Worner, gave a paper on microwave technology at a conference attended by executives of ANZAAS.

It was established that the amount of leading edge and innovative research being undertaken in the Illawarra warranted a special joint conference with ANZAAS.

Dr D J O'Connor, the Executive Director of ANZAAS, said that the association had adopted the policy of holding short conferences at regional centres in conjunction with local educational institutions and industries.

"Because of its own development and status, and the importance of the Illawarra region to the industrial and commercial development of NSW, the University of Wollongong is uniquely placed to host such a conference," he said.

Truckloads of entries in BHP schools competition

TWO REMOVALIST truckloads of entries arrived at the University of Wollongong last week for the rich BHP Schools Competition.

The delivery, from Kiama and Keira High Schools, was part of the record 400 entries received. The competition, worth $14,000, is co-sponsored by BHP Steel Collieries Division and Ansett Airlines, in conjunction with the University's Key Centre for Mines.

The competition is open to students from 21 schools in the Illawarra region.

Group General Manager of BHP Steel Collieries Division, Mr Jim Lewis, said the competition aims at fostering a "better understanding of the Australian coal industry among students and the important role it plays in the prosperity of the Illawarra region and the nation".

The competition invited secondary students to prepare either an essay, poster or model on one of these five topics:

1. The importance of coal in Australia's national development;
2. The history of coal mining in the Illawarra;
3. Coal from formation to utilisation;
4. Methods for improving productivity in coal mining;
5. The importance of coal in the making of steel.

Helping to unload the entries are Emma Pryor, of Kiama High, David Saveski, of Keira High, and Les Jones of BHP Steel Collieries Division

Overall winners of the essay, poster and model sections and their teachers will win a two-day BHP Coal Chain excursion throughout the Illawarra, inspecting an underground coal mine, a coal washery and the steelworks, before flying to central Queensland, courtesy of Ansett Airlines, where they will inspect one of BHP-Utah's giant open-cut coal mining operations and the export coal loader at Mackay.

The trip will conclude with two days relaxing on South Molle Island on the Whitsundays.

A special prize of $2000 worth of computer equipment will be presented to the school demonstrating the most interest in the competition.

Book prizes to the value of $100 will be presented to finalists.

The winners will be announced at a special luncheon during the University's Open Day on Sunday August 26.

Inaugural alumni reception in Wagga

Professor Eddie Braggett, the Dean of the School of Education, Charles Sturt University (left) with Regional Manager of the Department of Transport, Mr David Handley, and the Mayor of Wagga Wagga, Alderman Pat Brassil, at the Alumni Association's reception in Wagga.

THE FIRST reception for graduates organised by the Alumni Association took place in Wagga Wagga on Monday July 30.

This occasion offered an opportunity for the University not only to re-establish contact with some of its former students, but also to welcome the families of currently-enrolled students .

The reception coincided with the Tertiary Awareness Day for years 11 and 12 students held the following day in Wagga, and many guests were prospective students at undergraduate and postgraduate level.

The evening was a great success with more than 40 people attending from Wagga and the surrounding areas. One family came all the way from Hay, more than three hours' drive away.

Staff members from Charles Sturt University, Riverina, were also present and several of Wollongong graduates are now employed there.

University of Wollongong Pro Vice-Chancellor, Professor Lauchlan Chipman, hosted the evening and Juliet Richardson (Alumni Officer), David Fuller (Manager, Planning and Marketing) and Liz Hilton (Schools Liaison Officer) also attended.

The Mayor of Wagga, Alderman Pat Brassil, was presented with a copy of the recently-released book *Wollongong - Spirit of Achievement*, signed by the Vice-Chancellor and Wollongong's Lord Mayor, Alderman Frank Arkell.

Other receptions for graduates planned for 1990 include one in Canberra on Monday September 17, to be hosted by the Vice-Chancellor, and one in Kuala Lumpur, Malaysia, on Saturday November 24.

This coincides with an Austrade Mission and will be hosted by Eric Meadows, Director of the International Office.

If any readers have contacts in either of these cities (whether graduates, colleagues or other) who you think should be invited, could you please contact Juliet Richardson (ext 3249) as soon as possible.

Open Day has something for everybody

THE University of Wollongong goes on public display on Sunday August 26 from 10am to 5pm.

Open Day, designed primarily for potential students, shows the community at large the reason for the University.

This year the program is the biggest on record.

Open Day this year includes Spanish and Indonesian dancers, demonstrations of the French game of boules, as well as displays by many of the 41 nationalities represented on campus.

Science will have a big role on the day. There will be a Magic Chemistry Show and the Geology Department will be identifying rocks.

The Aboriginal Educational Unit will screen the fascinating two-part video 'The Last Dream', while the Mathematics Department plans a presentation, 'Mathematics in Everyday Life'.

The Conservatorium will present a one-hour mixed Chopin program.

Performing will be Conservatorium students Rebecca Windsor, Daniel Pinkerton, Vanesa Toh, Deborah Robinson and Tara Amarasingham.

Internationally-acclaimed pianist Marilyn Meier will play for 30 minutes during the recital.

The Australian Army, The University of New South Wales Regiment, University of Wollongong Company, will be putting on a display of weapons.

Helpers for the day are still needed. If you can give some time on the day, contact the Executive Officer, Friends of the University, Graeme Gilbert, on 270169.

Campus News is published weekly on Tuesday during the academic year — with breaks at Easter and Queen's Birthday 'long weekends'

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Graduate Faculty completes review for 1991 subjects

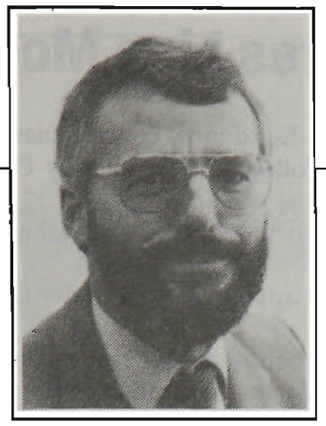
THE GRADUATE Faculty has reviewed the proposals for postgraduate programs put forward by the faculties for approval for 1991.

The committee decided that 1991 will be regarded as phase one of the development of postgraduate programs. All programs have been approved for 1991 only, and will be reviewed in May next year.

At its last meeting the Graduate Faculty decided that engineering, computer science, management and science will remain the University's priority areas for Australian Postgraduate Research Awards in 1991.

The Graduate Faculty is also considering the place of the graduate diploma in the University course offerings.

The issue being considered is whether to continue to use the title graduate diploma of whether it would be better to do away with the title altogether.



Paul Howlett ITC's Research Division Manager

PAUL HOWLETT has joined the Illawarra Technology Corporation as General Manager of the Resources Division.

Paul is a mining engineer with more than 20 years' industrial experience starting on the copper belt in Zambia and including mining operations in Australia, New Zealand and Indonesia.

For the last 10 years he has managed a consulting firm in Sydney providing services in geology and mining engineering and a specialised capability in applied research and development.

At the Resources Division he will be responsible for the commercial developments in mining, geology, minerals processing, metallurgy, materials handling and microwaves.

The division is one of six at ITC established to focus University efforts on industry-based research, consulting and technology transfer.

The Microwave Applications Research Centre, established by Professor Howard Worner, will form the nucleus of the Resources Division and Professor Worner will become Research Director of the division.

Paul Howlett is no stranger to the areas of service, consulting, research or technology commercialisation.

He has written many papers on mining technology and is Australian Editor for the *International Journal of Surface Mining*.

He has held many senior positions on the Australasian Institute of Mining and Metallurgy.

He is chairman-elect for the Australian Underground Construction and Tunnelling Association and chairman of the organising committee for the seventh Australian Tunnelling Conference to be held in Sydney next month.

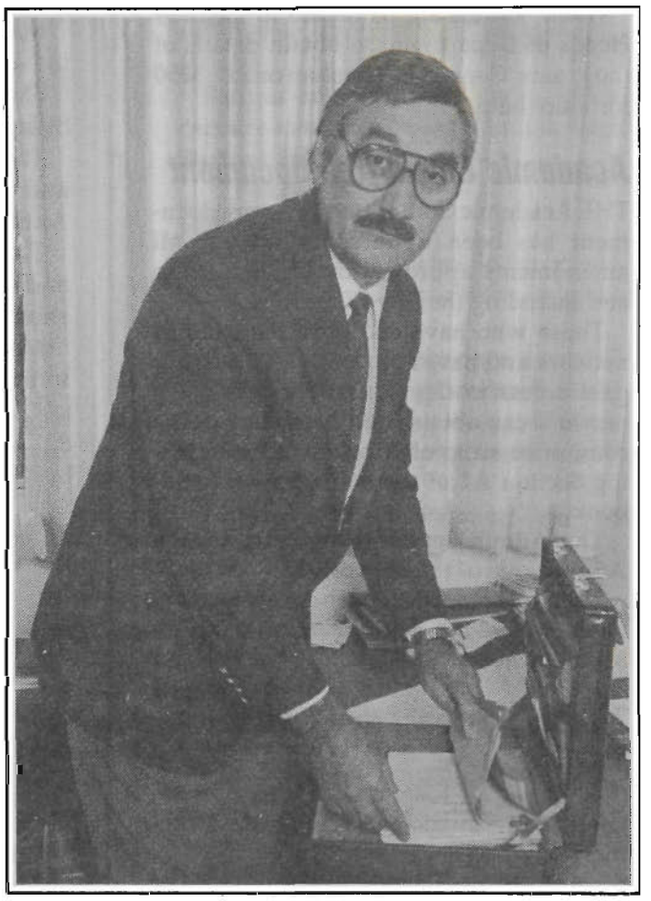
Professor Rozgonyi takes over as Dean of Engineering

PROFESSOR Tibor G. Rozgonyi has taken up the position as Dean of Engineering, and Professor of the University.

Professor Rozgonyi was Director of the Coal and Lignite Research Laboratory at Texas A & M University, and also served as Professor at the Department of Petroleum Engineering and later at the Department of Civil Engineering.

He is also a Visiting Professor at the University of Texas, at Austin, in the Department of Petroleum Engineering, Graduate Program of Energy and Mineral Resources.

He was a member of the Graduate Faculty at both universities. He received a BSc degree in Mathematics (major) and Physics (minor) in 1961, and also graduated as a mining engineer at the Technical University of Miskolc, Hungary, where he took his doctorate in Mining Engineering in 1974.



Professor Rozgonyi, the new Dean of Engineering and Professor of the University

Professor Rozgonyi has a wide range of international university teaching, research and administrative experience.

He also taught at the Technical University of Miskolc, Hungary, the University of Tripoli, Libya, and New Mexico Tech, USA. He was visiting scholar for a short period at universities in Poland, East and West Germany, and the Soviet Union.

Professor Rozgonyi has organised international conferences in mining engineering, served as Section Chairman in Rock Mechanics Conferences, and Member of the Editorial Board to the *International Journal of Mining and Geotechnical Engineering*.

He has taught subjects in Mine Design, Mining Methods, Roof Control and Subsidence Monitoring System, Surveying, Geotechnical Engineering, Reservoir Rock Properties, Numerical Methods, Civil and Underground Construction, and Coal and Mineral Beneficiation and Processing.

BHP Youth Orchestra sponsorship night

PRO VICE-Chancellor Professor Lauchlan Chipman will officially receive a cheque from BHP Steel on behalf of the BHP Youth Orchestra on August 24.

Manager of BHP Steel, Mr Grahame Parker, will present the cheque to Professor Chipman at a reception at Gleniffer Brae from 6 pm.

BHP's sponsorship will be $30,000 over the next three years. As a result the orchestra will be known as the BHP Youth Orchestra.

The orchestra will give a concert in the University Music Centre Auditorium from 7.30pm. At the reception a new relationship between the University and the Conservatorium of Music and the formation of the Friends of the Conservatorium will be officially announced.

Research Grants reports wanted

ALL Research Grant holders have been reminded that a detailed financial report of all transactions for all grants must be sent by the Financial Services Department to the head of each department monthly.

Grant holders are requested to see their Heads of Department to obtain details of the grants. Contact Ian Strahan on ext. 3350 for more help.

Academic Committee document

THE Academic Committee Structure document has been updated to include all amendments approved by Council up to and including the July 27 meeting.

Those who have access to the campus network and have appropriate software to gain access to the Admin Server via the network can obtain their own copy of the committee structure document by accessing Section A4 of the management handbook.

The Admin Server is accessed via the Admin zone of the network

Users of Apple Macintosh equipment will need to have the Appleshare program installed to access the server.

Library compact disk classes

THE schedule is:

- **August 22:** 1.30pm Dialog (education, engineering, medicine); 5.30pm UMI (commerce)
- **August 23:** 1.30pm Austrom (APAIS, Aust. educations, family, sport).
- **August 29:** 1.30pm ISI (science/ social sciences, citation indexes); 5.30pm Dialog.
- **August 30:** 1.30pm UMI.
- **September 5:** 1.30pm Austrom.
- **September 6:** 1.30pm Dialog; 5.30pm UMI.
- **September 12:** 1.30pm Silver Platter (biology, nursing, social sciences, occupational health and safety).
- **September 13:** 1.30pm UMI; 5.30pm Dialog.

Bookings required for 5.30pm classes. See notice in Library for further information.

Women's Issues Group

THE NEXT meeting of the Women's Issues Group will be held on August 28 at 7.30pm in the boardroom of the Union Building.

The first speaker will be journalist Robyn Slater, whose talk is called "Life with Robyn".

Barbara Lee will follow with "Living with 32 men – or Owning a Wollongong Guest House"

Everybody is welcome. cost: $2.50 per head. Enquiries to Moira Bowman on Tel. (042) 843741.

Chopin concert features Lisa Moore

SCHOOL of Creative Arts' latest Musician-in-Residence, concert pianist Lisa Moore, will be the soloist when the City of Wollongong Symphony Orchestra performs at the IMB Theatre on August 25.

Ms Moore, who will perform the Piano Concerto No 2 by Chopin, has been based in New York for several years.

She visits Australia regularly and previously appeared with the Wollongong Symphony in its 1987 concert season.

The other works to be played on August 25 are Schumann's Rhenish Symphony and the orchestral suite 'Your Partners, Please' by the Australian composer John Antill.

Tickets for this concert are available from the Illawarra Performing Arts Centre and sell for $16 (adults), $12 (concession) and $40 (family – up to four). All enquiries should be directed to the Performing Arts Centre.

Ms Moore is Musician-in-Residence until September 7 and she will also appear in the following concerts:

- **August 21:** Arts-speak 12.35pm, the Music Auditorium.
- **August 28:** Arts-speak 12.35 pm, the Music Auditorium
- **September 6:** The Art of Lunch 12.35pm, the Music Auditorium
- **September 7:** "Parabola", the Music Auditorium 8pm. A music theatre piece by Andrew Ford and Barbara Blackman.

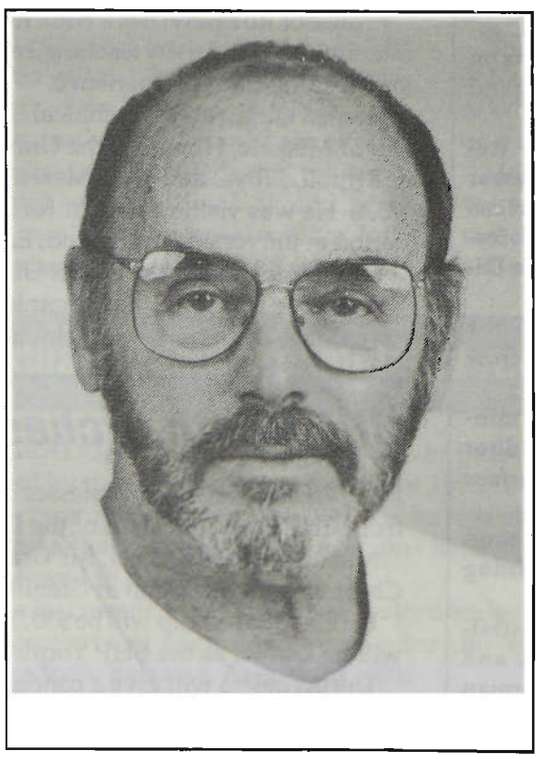
Charles Reddington — Artist-in-Residence

SCHOOL of Creative Arts' new Artist-in-Residence, Charles Reddington, has settled in at Wollongong University.

Professor Reddington, who is the Professor of Art at Indiana State University, can be found at the Artist-in-Residence studio, Building 25, until August 26.

To mark his arrival, Dr Peter Shepherd opened Professor Reddington's solo exhibition in the Long Gallery last Wednesday.

This visit to Australia is Professor Reddington's first since he left for England and the USA in 1966. He first came to Australia in 1959 when he began working at Royal Melbourne Institute of Technology as a Lecturer in Painting and later moved to Adelaide where he established a new program in painting at the Adelaide School of Art, training many of Australia's now well-established artists.



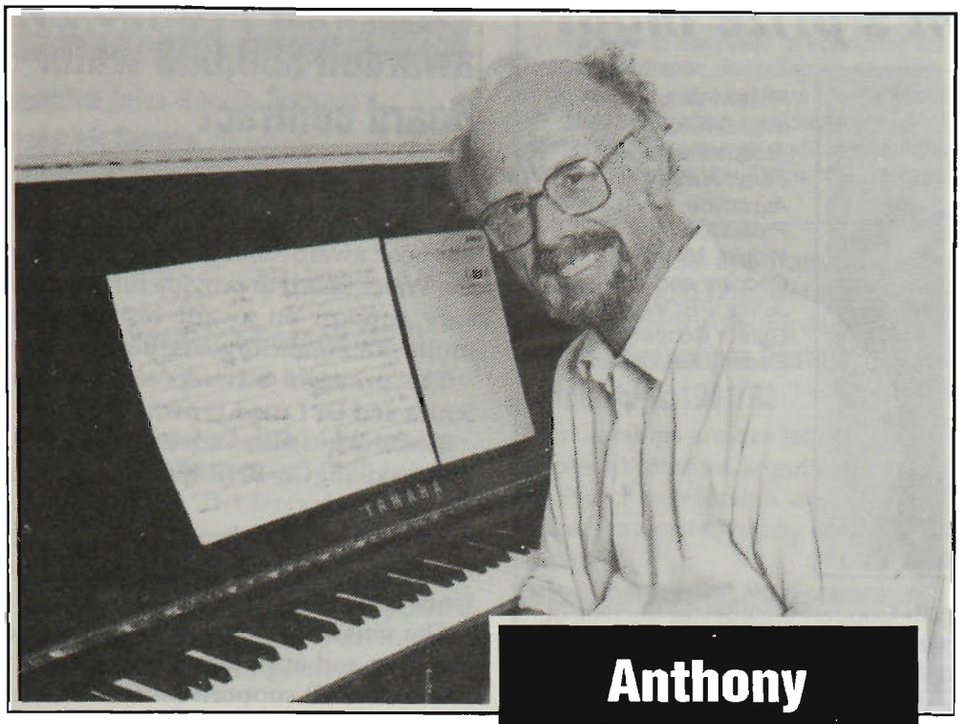
Charles Reddington

In 1963 he moved to Sydney where he began an asociation with some young Australian artists who belonged to the "Hungry Horse" group, including Frank Hodgenson, John Olson, Robert Klippel, Colin Lancley and Robert Hughes.

Professor Reddington's educational background includes studying at the Art Institute in Chicago and among his fellow students were such names as Clas Oldenberg, Robert Indianna and H.C. Westerman.

He is presently using acrylic on paper and is involved in using pyramid and gyre-like forms as a symbol of power.

His work is represented in many public and private collections including all the major galleries in Australia, and he is regarded as having a great influence on modern Australian art history.



Anthony Gilbert — trailblazer of contemporary music

LONDON-born Anthony Gilbert is the School of Creative Arts' Composer-in-residence until August 31.

Tony, born in 1934, encouraged the development of much of Britain's most promising talent: Priti Paintal, Simon Holt and Martin Butler are among young composers who studied with him.

Extended periods of work in Australia since 1978 provoked an interest towards attempting to recapture the sounds and rhythms of the New South Wales bushland.

His musical language developed a simplicity which had begun to enter his compositions earlier when the influence of Indian Classical music was incorporated into his music.

While at the Sydney Conservatorium of Music, he oversaw the early development of several of Australia's current "new wave" musicians and composers, including Gerard Brophy, Riccardo Formosa and Michael Whiticker.

Anthony has also held residencies of various durations at Bendigo CAE, the Victorian College of the Arts and the James Cook University, Townsville.

Tony will talk about his work at the Art of Lunch in the Music Auditorium Building 24 on Thursday August 23 at 12.35pm, when he will address the important issue of finding bigger audiences for new and contemporary music.

Creative Arts students exhibit in Sydney show

AFTER their solo exhibitions in Sydney earlier this year, former Wollongong creative arts students Paul Ryan and Gabriela Frutos were invited to show in an interstate works on paper at the Holdsworth Gallery in Sydney last month.

The exhibition also included the School of Creative Arts' Laurens Tan, a second-year painting tutor on study leave.

Three third year painters are included in a group exhibition — Artists for Wildlife - Insight IV — on the second floor of the Sydney Museum, 6/8 George Street, until August 28. They are Robin Craig, Anthony Gow and Stephen Seldon.

Sue Bessel, a third year BCA Painting and Sculpture student, held a solo exhibition at Art Arena.

During the recent exhibition in the Long Gallery of former students of the School of Creative Arts, John Forsythe, Paul Ryan and Judy Weeks were invited to submit articles on their work to *The Artist* magazine.

What's on

Red Nose Day

RED Nose Day – a fund-raising day to support research into infant cot death syndrome – will be held on Friday August 31.

Badges and red noses for people and cars are available from Sonia Jennings in Student Records, ext. 3959.

Theatre friends

A FRIENDS of Theatre South group is being formed and organisers are seeking new members.

The group will meet once a month in the foyer. Depending on the decision of the members, the meeting will start at either 5.30pm or 7.30pm on either a Monday or Tuesday.

For more information contact Enid Sherwin Tel. (042) 848341.

How to survive teenagers

COUNSELLOR, author and ABC broadcaster Terry Colling will conduct a one-day workshop on 'how to survive teenagers' at the School of Health Sciences on Saturday August 25 from 9.30am.

The workshop, convened by Lifeline Wollongong, will examine the major issues of the teenage years.

Enquiries and registration forms are available at Lifeline Tel (042) 281311 and the Psychology Department.

Fulbright Scholar

PROFESSOR Perry Shapiro, an American economist and a 1990 Fulbright Senior Scholar, will visit the Department of Economics next month.

Professor Shapiro, from the Department of Economics, University of California at Santa Barbara, USA, will present a seminar on Private Preference for Public Education in the Department of Economics on September 13 from 11.30am to 12.30pm in Room 19.1056.

Further enquiries to Associate Professor Tran Van Hoa, tel. (042) 270659.

Computer courses

THE INFORMATION Technology Services (ITS) is taking bookings for Computer Literacy Short Courses.

Students passing a test will be tagged as computer literate on their student record.

Booking forms are available from the Reception Area of ITS (Building 15). For further enquiries please contact Helen Carter on (042) 270849 ext. 3849.

Geology Department's prize night

Prizewinners (from left): BACK Jacqueline Mifsud, Stuart Hankin, Associate Professor Tony Wright, Mike Ceccato and Julie Jones. FRONT Gareth Cooper and Rodney Feldtmann

STUART Ian Hankin won the Geology Prize at the Geology Department's prize night on August 9.

Other prizewinners were: The AJ & I Waters Prize in Geology (Joint Award) —Jacqueline Mifsud, Gareth Cooper; the Foundation Prize in Geology — Rodney Feldtmann; the Evan Phillips Prize in Geology — Michael Ceccato; the CRAE Mapping Prize in Geology — Gareth Cooper; Geological Society of Australia (NSW Division) Prize in Geology — Gareth Cooper; Prospectors Supplies Prize in Geology — Julie Jones.

The speaker for the night was Associate Director, Minerals and Environment, Bureau of Mineral Resources, Dr David Denham, who spoke on the Newcastle Earthquake and Seismicity in the Sydney Basin.

Bistro is becoming a popular campus venue

SINCE the University Bistro was refurbished early in 1989, it has provided more than food for thought.

In addition to being a popular eating place on campus, it has become a venue for numerous functions including musical gatherings, receptions, parties, lunches and dinners.

The Bistro has also become sought after as a venue for art exhibitions. Earlier this year the 'Four Friends' — local artists, Daisy Huckel, Coral Erikson, Jessie Carfield and Kay Norington — exhibited paintings. This showing was followed by a selection of paintings, prints and drawings from the exhibition 'Big Fish Eat Little Fish — Artwork on the Environment' by students of the School of Creative Arts.

Currently the University Union is holding a unique exhibition in the Bistro of leather-carvings by Mr Bill Brown of Warilla. The carvings are mostly copies of famous paintings.

The intricate leather-carving reflects many painstaking hours spent by Mr Brown, who has settled in the Illawarra after 12 years in New Zealand.

The Bistro is open for lunch from noon to 2pm Monday to Friday.

Psychology Unit awarded $80,000 Water Board contract

THE Department of Psychology's Industrial and Organisational Psychology Unit has been awarded an $80,000 contract by the Water Board to provide further advisory support on award restructuring, multi-skilling and organisational change.

The principal advisers are Dr Peter Smith and Dr David Brown.

The unit has also undertaken work on multi-skilling in BHP blast furnaces at Port Kembla.

Number two blast furnace is a successful example of multi-skilling within a new work structure.

The unit seeks to promote the understanding and application of psychology in industry. It supports professional development for industrial and organisational psychologists through teaching, postgraduate research and, where appropriate, advisory consultancy.

The unit has recently started a network for psychologists working in industry. The network meets for a working lunch on the last Tuesday of the month.

For further details contact Ms Christine Davidson, tel. (042) 28 7435.

The Department of Psychology has an established reputation for academic and professional psychology.

The department is well known for its work in cognitive psychology, its application to reading disabilities and its work in personal construct psychology and its application, through the Department's Psychological Services Unit, to clinical psychology.

The growth into industrial and organisational psychology is a planned development for the 1990s.

It will add an additional dimension to the department's academic and professional reputation in teaching, research and practice.

Tertiary Entrance Rank for the 1990 Higher School Certificate

A TERTIARY Entrance Rank (TER), rather than a Tertiary Entrance Score (TES), will be the basis of selection for tertiary admission from the 1990 Higher School Certificate.

The TER will be calculated by the University of Sydney from the scaled aggregate of the student's best 10 units in courses approved for admission, and therefore students will continue to be ranked in the same order as by the TES for selection purposes.

The TER advice will be contained in the same envelope as the HSC, so candidates will find out their TER at the same time as they get their results.

The TER will use a 100-point scale with intervals of 0.05. A student with a TER of 80.00, for example, is above or equal to 80 per cent of all candidates eligible for admission to tertiary courses; another way of looking at it is that 20 per cent of students performed better than that student.

Students whose TER is in the lowest 15 per cent of the candidature will have a TER which states '15.00 or below'.

A comprehensive explanation of the TER and how it is derived will be included with the TER document, and detailed information about it is being sent to all HSC candidates.

Research Funds

The sources of research funds given below are available to members of academic staff. Further information, including application forms, may be obtained from Lyndal Manton (ext. 3201). Intending applicants are reminded that all research applications must be forwarded through the Office of Postgraduate Studies.

Illawarra Area Health Service Research Grants

Applications are being called for small research projects or to initiate research likely to attract funding from elsewhere.

The University closing date is 21 September.

Australian Research Council (ARC)

Australian Postgraduate Course Awards 1991

Forms are now available for scholarships to study Masters and PhD degrees by course work. The University closing date is 28 September.

The British Council

Academic Link and Interchange Scheme (ALIS). ALIS Travel Grants from the British Council are continuously available. Bias is towards applicants in Science, Technology and Engineering.

The University closing date is anytime.

French Government Postgraduate Scholarships 1991/92

Scholarships are available in the fields of French literature, linguistics and teaching French as a foreign language.

The University closing date is 21 September.

Swiss Government Postgraduate Scholarships 1991/92

A scholarship is to be offered for one year's study in a Swiss university. A sufficient knowledge of French or German is required and a language test will be given.

The University closing date is 14 September.

Visiting Fellowships

Dept of Employment, Education & Training (DEET) is calling for nominations for Visiting Fellowships for the 1991-92 academic years. There are three types of awards: Commonwealth Scholarship & Fellowship Plan for fellows from Commonwealth nations, Australian European Awards - fellows from European countries and Australian Greek awards - for fellows from Greece.

The University closing date is 24 August.

Previously Advertised	Closing Date
Nuffield Foundation Fellowship	August 31
Harkness Fellowships	August 31
AINSE Research Grants	August 31
CSIRO Postdoctoral Awards	September 7
ARFI's	September 14
Columbian Scholarships	September 14
Corpus Christi College Visiting Fellowship	September 14
1991 Fulbright Awards	September 21
Australian Academy of Science Medals	September 21
Sir Harry Gibbs Prize (Forensic Science)	September 28
OPRA Awards	September 29
Menzies Scholarships	September 31
Robert McNamara Fellowship	October 12
Maxwell Jacobs Forestry Fund	October 19
Gowrie Research Scholarship	October 19
Rebecca Cooper Resarch Foundation	October 26
APRA Awards	October 31
UPRA Awards	October 31
Lady Davis Fellowships	November 16

THE ILLAWARRA TECHNOLOGY CORPORATION · LTD

THE ILLAWARRA Technology Corporation is offering professional development courses and career entry training programs to individuals and organisations.

The courses are being held in conjunction with the Australian Chamber of Manufactures, South Coast Centre and the Wollongong Chamber of Commerce and Industry

The Institute has access to a wide range of computing facilities. Training rooms at the Wollongong campus and the Sydney Centre are equipped with personal computers with mainframe access. A major emphasis in Informatics training programs is placed on 'hands-on' experience with current technology.

Situational Leadership: September 10. A workshop designed for people who manage and influence the behaviour of others.

Business Planning for Developing Enterprises: September 14 and 15, 9am-5pm. The course is designed for the developing business manager/proprietor who wants to know how to develop meaningful business plans that will help to ensure continuing growth and profitability.

Marketing for Developing Enterprises: September 21 and 22, 9am-5pm.

Negotiation Skills for Award Restructuring: October 8 and 9, 8.30am-5pm. The seminar aims to teach participants involved in the Award Restructuring process, especially those working on consultative committees.

Business Writing Skills: October 17, 24 and 31, 8.30am-12.30pm. The course aims to train participants to write clear, accurate and concise English quickly and with confidence.

Train the Trainer: October 17 to 19, 8.30am-5pm. This course will teach people who are unfamiliar with training to take up the role of on-the-job-trainer.

Advanced Reading Skills: October 23 and 25, 9am-4 pm. The course aims to increase reading motivation and confidence by eliminating poor reading habits and improving all levels of reading ability.

Matching organisational and employee development needs: October 26. The workshop is designed for all who have a major interest in the management, training and development of people in Australia.

Innovative Management Program: November 12, 13 and 16, 8am–3pm. The first two days of the program concentrate on managerial effectiveness and the third day is spent considers 'leading your work team'.

Courses will be held at the Illawarra Technology Centre, the University of Wollongong campus, Northfields Avenue, Wollongong. Details of costs and registration from the Course Co-ordinator, ITC Training and Professional Development Services Division, PO Box 1144, Wollongong, NSW 2500.

New Scientist addition

NEW Scientist, one of the world's leading science magazines, is about to publish a supplement for Australia and New Zealand.

It will be called Science and Education in Australia and New Zealand. The first issue will be stitched into the August 25 issue.

Wollongong University will advertise in the first three issues to focus on the leading edge scientific research undertaken on campus.

Each week, from August 25 until September 22, more than 3700 scientists and senior administrators in all universities in Australia will receive free copies of *New Scientist*.

Seminars

Australian Institute of Management

August 25, 26: Louise Meyrick, BA DipEd, designs and presents courses on the human dimension of management, Effective Presentation Skills. To be held at Oasis Conference Centre, 146 Wingang Road, Primbee. Cost $350, $335 for Institute member company, $320 for personal Institute member.

Contact the Institute (042) 270075 for bookings or more information.

Department of Biology

Seminars are held from in Building 35.G19, on Tuesdays at 12.30 pm.

August 21: Dr Ron Brlansky, University of Florida, USA, *Decline diseases of citrus.*

August 28: Ms Lesley Hughes, Biological Sciences, Macquarie University, *Seed dispersal by ants.*

September 4: Dr Murray Badger, Research School of Biological Sciences, Australian National University, *Molecular approaches to understanding the role of the carboxysome in cyanobacterial photosynthesis.*

September 18: Dr Ted Steele, Biology Department, University of Wollongong, *Reappraisal of the evidence on the health effects of Agent Orange by the Evatt Royal Commission.*

Further information from Dr Rob Whelan, tel. (042) 27 0442 and Associate Professor Ross Lilley, tel. (042) 27 0431.

Department of Business Systems

August 23 at 12.30 pm in Pentagon 5: David Nash, Telecom, *How competitive is Telecom?*

September 13 at 12.30 pm in Pentagon 5: Ilana Kaplan, Human Factors Engineer, Unisys, *Usability testing for software interfaces.*

Department of Chemistry

Seminars are held in Chemistry Lecture Theatre (Building 18.206)

August 23 at 11.30 am: Dr Mary Garson, Department of Chemistry, University of Queensland, *Marine sponge chemistry becomes a work of art.*

August 30 at 11.30 am: Dr Dale Hurst, Department of Chemistry, University of Wollongong, *Tropospheric carbon monoxide.*

Department of Computer Science

August 22 at 2.30pm Level !, Seminar Room 4, Michael Birt Library: Distinguished Visitor Seminar with Professor Hans-Joerg Schek, Department of Computer Science, ETH-Aurich, Switzerland. *A synthesis of Complex Objects and Object-Orientation.*

Department of Economics

Seminars are held on Thursdays from 11.30 am to 12.30 pm in Building 19.1056.

August 23: J C Baldry, Department of Economics, University of New England, *The production of licit commodities in the shadow economy.*

September 6, Jenny Wilkinson, Research Department, Reserve Bank of Australia, *An analysis of the determinants of imports.*

September 13: Perry Shapiro, 1990 Fulbright Scholar, Department of Economics, University of California at Santa Barbara and the Australian National University, *Private preference for public education.*

September 20: Dennis Mahoner, Research Department, Westpac Banking Corporation, *Economic Indicators and Forecasts.*

Enquiries to the Convenor, Associate Professor Tran Van Hoa, Office 19.2069, fax (042) 27 0477, tel. (042) 27 0659.

Equity in Education program

Meetings will be held in Building 21.104 at 4.30 pm.

August 23: Noeline Kyle, Ron King and Michael Stone, *Interdisciplinary approaches to telling lives.*

September 7: Pat Farrar and Bob Colvin, *Write for kids.*

Enquiries to Associate Professor Noeline Kyle, tel. (042) 27 0374 or Ms Jan James (042) 27 0078. Coffee/tea provided.

Department of Geography

Seminars are held in Building 19.G026 from 12.30 to 1.30 pm and are open to all who would like to attend.

Wednesday August 29: Associate Professor G C Nanson, Department of Geography, University of Wollongong, *Quaternary environmental change in Australia. 300,000 years B.P. to the present.*

School of Learning Studies

Seminars are held on Wednesdays at 12.30 pm in Building 21.104

August 29: B Tapp, *Schools-Industry Links in the South Coast region.*

September 12: Dr Colin Lankshear, University of Auckland, NZ, *Literacy and Revolution.*

Gender and Education Unit

Seminars are held in Building 21.104 at 4.30pm on Fridays (unless otherwise indicated).

August 23*: Noeline Kyle, Ron King and Michael Stone, *Interdisciplinary Approaches to Telling Lives.*

September 7*: Distinguished Visitor — Professor Anne Mellor, English and Women's Studies, University of California, *Biographer Know Thyself.* (12.30pm-1.30pm).

September 7*: Pat Farrar and Bob Colvin, *Write for Kids.*

September 12*: Distinguished Visitor — Dr Colin Lankshear, University of Auckland, NZ, *Literacy and Revolution.*

* Seminars offered jointly by the Gender and Education Unit and the NSW Branch of the Australian and New Zealand History of Education Society.

Tea/coffee provided at all seminars. Enquiries to Associate Professor Noeline Kyle, tel. (042) 27 0374 or Ms Jan James (042) 27 0078.

Department of Management

Friday August 24 at 12.30 pm in Building 19.1003: Professor Julian Lowe, *Problems of non-response in business research.*

Friday August 31 at 12.30 pm in Building 19.1003: Dr Philip L Dawes: *Personal (informal) communication networks for industrial technological purchase decisions.*

Department of Materials Engineering

Seminars to be held jointly with the Wollongong University Student Chapter of the Metallurgical Society on Tuesdays from 4.30 to 5.30 pm in Building 1.134 (unless otherwise specified). Enquiries to Associate Professor D. Dunne, tel. (042) 27 0014.

August 28: Dr Aibing (UW), *Particle size segregation.*

September 11: Professor H. Worner (UW), *Microwave processing.*

September 19 at 8 pm: G. Spinks (UW), *Mech props of polymers.*

Department of Mathematics

Friday August 24 from 4-5pm in Room 20.5 (Pentagon Building): Dr Neville de Mestre, Associate Professor of Mathematics, Bond University, *Computer Ecology: With Chaos.*

Thursday August 30 from 1.30pm in Room 15.204 (Austin Keane Building): Dr Chandra Gulati, Department of Mathematics, University of Wollongong, *Optimal stopping problems for a non-communicating team.*

Thursday September 6 from 1.30pm in Room 15.204 (Austin Keane Building): John P Best, Materials Research Laboratory - DSTO Melbourne and Department of Mathematics, University of Wollongong, *On the theory of Geometrical Shock Dynamics.*

Visitors wishing to park on the University grounds will be charged as $1 parking fee. This will be reimbursed by the department.

Department of Public Health and Nutrition

Seminars are held in Building 5.G03 between 12.30 and 1.30 pm on the dates given. Anyone who is interested is cordially invited.

Wednesday September 5: Mr Paul O'Halloran, *Training in mental health.*

Enquiries to Ms Linda Tapsell, Lecturer, Department of Public Health and Nutrition, tel. (042)27 0152 or ext. 3152.

Department of Psychology

Staff and postgraduate series

Seminars are held on Tuesdays from 12.30 to 1.30pm in the Department of Psychology, Room 19/1056.

August 21: Dr Linda Cupples, Department of Psychology, the University of Wollongong, *Some aphasic patients understand more than they know — a study of sentence interpretation.*

August 28: Associate Professor Linda Viney, Department of Psychology, the University of Wollongong, from 5.30 to 6.30pm in Room 19.1064, *The psychosocial functioning of people with AIDS and AIDS carers: A report from the Wollongong AIDS project.*

September 4: Dr Peter Smith, Department of Psychology, the University of Wollongong, *Wellbeing and organisational change.*

School of Creative Arts

Postgraduate series seminars, which are held in the Music Auditorium, Building 24, from 4.30 to 6.30 pm, are open to the public and admission is free.

Thursday September 6: *Identity and difference in Australian arts 2,* Needle-point artist Narelle Jubelin will discuss her work which touches on issues of appropriation and questions images of Australian identity.

Enquiries to Dr Andrew Schultz, Director, Postgraduate Studies, School of Creative Arts, tel. (042) 27 0985.

Social and Psychological Health Research Program

All seminars are held on Tuesdays in Building 19.1056 from 12.30 to 1.30 pm.

September 4: Peter Smith, *Well-being and organisational change.*

Contact Sheree Anshel, ext. 3499