On Thursday 29 August, BHP took a further step in their strategic relationship with University of Wollongong by entering into a substantial contract for the development and delivery of a new Master of Logistics and Operations Management Degree.

The contract was signed by the Vice-Chancellor, Professor Gerard Sutton, and Group General Manager and Chief Operating Officer, Flat Products Division, BHP Steel, Mr George Edgar.

This follows more than a year of planning and discussions involving BHP's Operations Planning Committee, the Faculty of Commerce, the Department of Management and the Institute for Steel Processing and Products.

The new course is being specifically developed to meet BHP's requirements for training of their staff in world-best practices in logistics and operations management and in the theoretical underpinnings of those practices.

The eight subjects of the Master of Logistics and Operations Management Degree will be delivered on a full-fee basis at BHP's training facilities at Warrawong over a two-year period.

Students nominated by BHP will be admitted to the course on the basis of appropriate tertiary qualifications and relevant work experience.

The course is being designed for decision-makers in BHP's logistics and manufacturing operations, including senior managers.

A major portion of each subject will be delivered in an intensive 32 hours of class contact over a five-day period, conducted by an internationally recognised authority in the subject concerned.

The intensive five-day blocks will be preceded by preparatory readings and exercises and followed by assessment tasks, including examinations where appropriate, in the following months.

The eight subjects will be chosen from executive versions of five existing subjects and four new subjects to be developed within the Department of Management specifically for this course.

The Business School will be responsible for overall administration of the new course.

Senior lecturer in the Department of Management, Mr John Flanagan, has been appointed Director of the Master of Logistics and Operations Management course.

Before moving to a full-time position at the University of Wollongong in 1993, John Flanagan worked for 35 years in the areas of operations research, logistics and operations management.

He is coordinator of the Master of Commerce in Operations Management, at University of Wollongong, and Regional Vice President, Australasia, of the international Production and Operations Management Society.
Launch of the Illawarra Regional Industrial Relations Survey, 1996

The Illawarra Regional Industrial Relations Survey was launched on 6 September by the NSW Attorney-General and Minister for Industrial Relations, the Right Honourable Jeff Shaw.

The survey is being conducted by the Labour Market and Regional Studies Centre at the University of Wollongong, under the management of Associate Professor Ray Markey. This project is being funded by the University of Wollongong and the NSW Department of Industrial Relations. It also has the support of the Commonwealth Department of Industrial Relations, the Illawarra Region of Councils, the Illawarra Regional Chamber of Commerce and Industry, Australian Business Ltd, the MTIA and the South Coast Labour Council.

The survey results will provide valuable information to local employers, governments and unions to help them monitor and develop industrial relations change in the Illawarra. It will test for the first time the image the Illawarra has of poor industrial relations. Industrial relations patterns and images are an important part of regional economic development, but no regional data is available.

Associate Professor Markey said he expects that the survey results will play an integral role in preparing a positive climate for investment in the region in the future.

Nature now in Australia

The weekly, international journal of science, Nature, is extending its presence in Australia. Nature's readership throughout the world exceeds 600,000.

A full-time office has been set up in Melbourne. The Manager, Ms Annette Abbott, has come from running the Nature office in Hong Kong and is responsible for sales and marketing. Science writer and broadcaster, Dr Peter Pockley, has been accredited as Australian correspondent and he is expanding the frequency and scope of Nature's coverage of Australian scientific and academic affairs in the front of the journal.

He is based in Sydney - phone (02) 9660 6363; fax (02) 9660 6239.

Research papers for publication should continue to be submitted to Nature's editorial office in London for the normal peer reviewing process. Literature giving detailed guidance on how to get published in Nature and information on subscriptions can be obtained from Ms Abbott at Macmillan Magazines Ltd, PO Box 1346, 84 Dodds Street, South Melbourne, Vic 3205; phone: (03) 9645 9444; fax: (03) 9645 7222.

Correction

In the Campus News No 22 the Council News stated that 'The Department of Management will be established from 1 January 1997.' This should have read 'The Department of Marketing'.
Faculty of Education's further links with Malaysia

Four teacher educators from Malaysia attended a four-week program in the Faculty of Education in August. They also visited Sarah Redfern Primary School at Minto for a special program on 'Teaching Children to Think and School Change Processes'.

Their intensive workshop program was entitled Teaching and Learning Generic Skills.

The program in the faculty is being coordinated by Dr Ted Booth and Dr Kathie Webb.

During an action-packed day at Sarah Redfern the group experienced an overview and class lessons of the school’s approach to using several of DeBono’s thinking strategies.

Principal Cheryl McBride, assistant principal Glen Patterson and advanced skills teacher Justin Sheridan developed the framework that has enabled teachers in the school to extend their pupils and develop a ‘best practice’ model for teaching and learning in the state.

Children from four different classes demonstrated the way that the ‘six hats’ ways of thinking had enabled them to become more autonomous learners.

The Centre for Language Education hosted a visit by two senior officers from the Ministry of Education in Malaysia.

Rohimmini Noor and Yahya Bin Mohamad spent a month working with Dr Beverly Derewianka and Carol Marshman from the Faculty of Education on a professional development package they are developing for teachers in Malaysians schools.

The main focus of the course will be the teaching of literacy (both in English and Bahasa Malaya) through a genre-based approach.

Students are guided in developing control over the different types of texts they need to be able to write in order to achieve particular purposes (e.g. information reports, argumentative essays, descriptions, explanation, narratives, and so on).

The visitors attended a customised course of lectures, workshops, project development sessions, and visits to schools.

They were most impressed with their tour of the Sacred Heart School at Cabramatta where children in all grades were learning about the different genres and using functional grammar in their learning.

Further co-operation between the Ministry and the Centre for Language Education is planned for early next year.
Lord Howe Island's changing environments

Situated at the southernmost limit of coral reef growth, Lord Howe Island has had a short but varied biological history of colonisation, evolution, endemism and extinction, and appears to be very sensitive to slight environmental changes.

Lord Howe Island is the subject of a detailed collaborative study by the University of Wollongong's Quaternary Environments Research Centre, together with the Australian National University and the Australian Nuclear Science and Technology Organisation.

The ARC-funded project is lead by Associate Professor Colin Woodroffe, from the School of Geosciences at the University of Wollongong who returned a few weeks ago from the most recent and most logistically complex of the fieldtrips to the island.

The first clue to the age of reef-derived carbonate deposits, which cover about a third of the island, came from uranium-series dating of coral by Dr Henk Heijnis of ANSTO, indicating that beach deposits with associated fossils of the extinct horned turtle date from the last interglacial, 125,000 years ago.

Similar ages have been obtained by David Price in the University of Wollongong’s Thermoluminescence Dating Laboratory using traces of quartz separated from the sands.

These ages are providing an important control for the calibration of amino-acid racemisation dating that is being undertaken by Dr Colin Murray-Wallace (University of Wollongong) on fragments of marine molluscs, robust non-marine snail shells that are common in fossil soils separating phases of dune activity, and bulk samples of the sand deposits.

This chronology provides the framework around which PhD scholar Brendan Brooke is reconstructing the former climate; abseiling down crumbling cliffs to assess palaeowind directions from dune bedding, and into caves where stalacmites offer an insight into past temperatures.

This is virtually the only evidence for past climates for the area between the Australian continent and New Zealand, and the island may also record past tsunamis.

Associate Professor Ted Bryant (University of Wollongong) has been looking for correlations with tsunami deposits in the Illawarra coastal region. These fossil dunes could not have existed on Lord Howe Island itself, until there were reefs and associated environments in which the carbonate sand was produced, and hence a major focus of the research is on the lagoon.

Analysis of continuous seismic reflection profiling observations collected by the team in 1994, have enabled PhD scholar David Kennedy to select sites at which to core during this year's fieldwork.

Using diamond drilling equipment especially modified, and a scaffolding platform designed and tested on campus by Geoff Black and the Faculty of Science’s workshop, the team found coring in the lagoon a challenge, under less than ideal weather conditions.

Relying on the experience of Damien Kelleher and Eugene Wallensky, both from ANU, the first core revealed near complete recovery of fossil reef, indicating that luxuriant coral has flourished during at least one phase before the post-glacial establishment of the modern reef.

Subsequent boreholes were less successful, but dune deposits beneath the modern lagoon sediments necessitate revision of earlier interpretations of island and reef development.

To fully understand these reef environments requires more detailed knowledge of the variation in modern shallow water sediments and biotic communities.

Associate Professor Brian Jones, with collaborator Dr Iradj Yassini and funded by a second ARC grant, joined the team to study nearshore sediments around the island, and will examine microfossil assemblages.

Past vegetation patterns are the subject of an investigation by Dr Mike Macphail, of the ANU, who collected cores for pollen analysis during the recent fieldwork.

After its discovery in 1788, the island became increasingly modified by human agency.

Whether or not it was ever found and subject to modification before that date by Polynesian sea-farers, who had an enormous and generally detrimental impact upon almost every other island within the Pacific, is the subject of study by Professor Atholl Anderson of the ANU, who participated in the fieldwork to look for evidence of early human modification of the environment.

If, as seems likely, Lord Howe Island really did escape detection by these early navigators, then that is one more respect in which this island is unique.

Gradually the geographical variation in faunal and floral communities on and around the island, and the temporal patterns of change of biota, and the environmental changes that occurred in the past are being reconstructed.

These studies of past environments provide one of the few insights into the way that imperceptible processes operate, and how environments may change in the future.

The research on Lord Howe would not be possible without considerable assistance from the Lord Howe Island Board.

Although much of the research is pure science, the broader results will have application to management issues in this World Heritage area.

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THE FRIENDS CHAPTER OF THE UNIVERSITY OF WOLLONGONG FOUNDATION presents a series of lectures and seminars by

Dr Peter Cameron
on the theme
'Spirituality and the Limits of Freedom'

LECTURE 3: 'WHAT IS THE SPIRIT?'

Tuesday 17 September - 7-9pm
Union Function Rooms 1 & 2

Light refreshments available

A follow-up seminar will be held at the same venue the following evening, Wednesday 18 September

All Welcome

Inquiries: David Muscio, ext 3073, or Antoinette Matarranz, ext 3169
The Vice-Chancellor, Professor Gerard Sutton, officially opened the Exercise Science and Rehabilitation Clinic on campus on 29 August.

The Department of Biomedical Science has established this clinic on campus to service the needs of University employees suffering from occupational-related injuries.

The ageing of the workforce presents management with particular challenges, including the containment of the costs associated with work-related musculoskeletal injuries.

The University, with a workforce of more than 1500 employees, is facing a payment of almost $1m in 1996 for workers compensation insurance.

Central to this cost containment policy is a set of strategies including identification and assessment of ‘at risk’ workers, early detection of potential problems, enhancement of functional fitness of all employees and delivery of Exercise Science interventions to employees sustaining musculoskeletal injuries.

When applied as a coherent package, these interventions will have a major impact on reducing the frequency and severity of musculoskeletal injuries, thus enhancing the health and well being of the employee and positively impacting on workers compensation premiums.

Staff at the clinic have developed an evaluation and intervention program which utilises the wide range of facilities and equipment within the Recreation and Sports Association.

Through the support of the University Administration and QBE Insurance, the clinic has purchased sophisticated equipment that will enable them to provide evaluation of the current functional fitness level of injured employees, and the design and implementation of a personalised exercise regime for the rehabilitation process.

The clinic is managed by Herb Groeller with the assistance of Exercise Physiologist, Paul Lillyman.

The President and Board of Management of the Alumni Association invite you to the annual ALUMNI DINNER to be held on the eve of the October graduation ceremonies.

GUEST SPEAKER: Vice-Chancellor, Professor Gerard Sutton
‘The University of Wollongong: 1997 and beyond’

All alumni and others with an interest in our University are welcome.

Date: Wednesday, 2 October 1996
Time: 7pm for 7.30pm
Venue: Function Centre, Level 2, University Union Building
Cost: $35 per head (includes pre-dinner drinks, three-course meal and some wine)

For bookings contact the Alumni Office, phone 213 169 or 213 249 before Monday, 23 September.
Course addresses interest in professional training

A heightened interest in finding new approaches to professional education was evident from the response to a workshop presented by the Faculty of Law on 2 September titled ‘Problem-Based and Experiential Learning in Professional Education’.

Nearly 100 attended, including a group of 50 officers from the Police Training Academy in Goulburn, and representatives from TAFE, the College of Law, legal firms in the Illawarra and the Illawarra Area Health Service.

Problem-based experiential learning methods provide real-world contexts in which students can expand their knowledge and problem solving skills and sponsor attitudes of reflective practice and critical self-awareness.

Keynote speakers at the workshop introduced examples in use in many professional education and training courses which had produced these outcomes.

Speakers from the Faculties of Law and Health and Behavioural Sciences were joined by visiting speakers from overseas and the University of Technology, Sydney.

The speakers included (pictured): Professor Neil Gold is a teacher, trainer, author and administrator who has worked in North America, Europe, South America, Africa, Asia and Australasia. He has designed and led several training workshops for lawyers and

law teachers in negotiation, skills teaching, presentation skills and course development

Professor Graham Feletti has been involved in the educational development of the Medical School at the University of Newcastle and is currently a professor in the Department of Community Health and Family Practice in the School of Medicine at the University of Hawaii.

Professor David Boud is a professor of Adult Education at the University of Technology, Sydney.

His research and scholarly interests are in learning from experience in workplace and community settings, staff development, reflection and learner self-assessment and innovative teaching and learning in higher education.

Professor John Goldring from the Faculty of Law who is an editor of the Legal Education Review and author of books and articles on legal educations as well as constitutional, administrative, commercial and consumer law.

Associate Professor Ainslie Lamb, Director of Practical Legal Training in the Faculty of Law, who has has extensive experience in practical legal training and as course designer of the Bar Admission Course.

ALUMNI BOOKSHOP & GALLERY
Campus East - Cowper Street, Fairy Meadow
(opposite Science Centre)

OLD BOOKS ........... WANTED ........... OLD BOOKS
Are you planning to clean out that awkward corner? Thin out your bookshelves? Turn out your cupboards?

Then perhaps you can help us ......

The Alumni Bookshop is seeking donations of any books - reference texts, fiction or non-fiction, young readers’ stories, music, good magazines, comics or older publications.

Why? For our used book sales which are held at Campus East, Fairy Meadow, on the second and fourth Saturday and Sunday afternoons of each month from 1-5pm (February to November). If you can help would you please deliver to the shop, or to the following points (a pick-up service can also be arranged):

Any weekend afternoon:
Science Centre, Campus East (foyer)
Alumni Office, Union Building (level 2)
Library, Audio Visual Office (ground floor)
Student Enquiries, Administration Building

Monday to Friday:

Your unwanted material may be someone else’s treasure
This Bookshop is staffed by Alumni volunteers and you are invited to browse at any time. All proceeds go towards book prizes for honour students and other campus projects. For enquiries telephone 213249 (Alumni Office) or 291951 ( anytime). May we thank you in anticipation.


Dr Vasta's Visiting Fellowship in Paris

Senior lecturer in the Department of Sociology, Dr Ellie Vasta, has been awarded a prestigious French Government Visiting Fellowship at the l'Ecole des Hautes Etudes en Sciences Sociales (School for Advanced Studies in the Social Sciences) in Paris.

She will spend the month of June 1997 as a guest of the Centre d'Analyse et d'Intervention Sociologique (CADIS) at the invitation of Professor Michel Wieviorka, the centre’s director.

Dr Vasta will present a series of seminars and expects that a collaborative research project will emerge from her time there.

In 1995 Dr Vasta spent her study leave at CADIS. During that time, she completed her book 'The Teeth are Smiling: The Persistence of Racism in Multicultural Australia' (jointly edited with Stephen Castles), attended CADIS seminars and workshops, and presented several lectures to colleagues and students at CADIS on racism and multiculturalism.

She also lectured on work-in-progress on her ARC project on the relationship between ethnicity, multiculturalism and political mobilisation.

Dr Vasta is writing up chapters for a book on that topic which she hopes to complete by early 1997.

FACULTY OF CREATIVE ARTS UNIVERSITY OF WOLLONGONG presents

Newsworthy
by David O'Brien
directed by Janys Hayes

Bachelor of Creative Arts Graduating Students Production

Newsworthy takes a hard-hitting look at the media industry in the '90s. You are invited to the Northern Network Newsroom where producer, Laurie Moses is coming to terms with a new regime in which women are the prime movers. He tries going with the flow and hires Samantha Hawkins who would rather be known as Sam. But he has taken on someone far beyond his control and immune to his bullying. She becomes a significant player in his downfall. If only he had checked her credentials ... if only he knew a little more about her background...

After its Wollongong debut this production will move to the Bondi Pavilion, Bondi for its Sydney premiere as part of the Faculty of Creative Arts Sydney Season. This season will also feature performances by Music and Creative Writing students, Visual Arts exhibitions, plus Images, Vestiges, Shadow: Paphos Theatre, an installation by staff and students from Visual Arts and theatre resulting from an archaeological expedition to Paphos, Cyprus earlier this year.

Note: This production contains adult themes

HOPE THEATRE
UNIVERSITY OF WOLLONGONG
11-14 September
Admission $16 & $11 conc.
BOOKINGS (042) 214214

Followed by Sydney Season at BONDI PAVILION
QUEEN ELIZABETH DRIVE, BONDI BEACH
18-21 September 1996
BOOKINGS (02) 9968 4622

FACULTY OF CREATIVE ARTS SYDNEY SEASON

PROGRAM OF EVENTS

WEDNESDAY 18 SEPTEMBER
7pm Opening of Season and art exhibition by George Gittoes, eminent artist and member of the Faculty Visiting Committee. The exhibition features a series of computer generated images by Faculty of Creative Arts Multimedia students based on shocking headlines.

Light refreshments will be served.

8pm Premiere performance of Newsworthy by David O'Brien, directed by Janys Hayes. Graduation production by final year theatre students from the Faculty of Creative Arts.

Aftershow 'til midnight

Writers and composers will perform works in collaboration. Light refreshments will be served.

THURSDAY 19 SEPTEMBER
6pm Alumni night. Smorgasbord and show for Faculty graduates and invited guests. Computer images exhibition continues.

8pm Performance of Newsworthy.

FRIDAY 20 SEPTEMBER
2pm Special performance of Newsworthy for schools.

7pm Opening of Images, Vestiges, Shadows: Paphos Theatre Excavation.

8pm Performance of Newsworthy.

Aftershow 'til midnight

Faculty of Creative Arts Vocal Ensemble in concert. Featuring music by Farmer, Blow, Purcell and Pergolesi.

SATURDAY 21 SEPTEMBER
2pm Performance of Newsworthy.

The above exhibitions continue.

5-7pm Free piano recital by Faculty of Creative Arts Music Performance students under the direction of Dr Marilyn Meier. Featuring music by Bach, Debussy, Prokofieff, Scarlatti, Shubert, Beethoven, Bartok, Brahms, Muczynski, Chopin and Liszt.

8pm Closing performance of Newsworthy.

Bondi Pavilion, Queen Elizabeth Drive, Bondi Beach
General

16 September: 1996 Kirby Lecture, 6.45pm in the Hope Theatre, by Deputy Chairman, and Chairman Designate, BHP, Mr Jerry Ellis. Enquiries: Di Kelly, phone 213 612, or Rob Castle, phone 213 666.

Two-day intensive Suicide Intervention Workshops will be held at the University to help health workers, professionals and lay people recognize and assess persons at risk, and to master a model for effective suicide intervention. These workshops are available on 27 and 28 September, 25 and 26 October and 29 and 30 November. Cost: $35. Bookings: (042) 971 426 or (042) 213 876.

Meeting dates for the Human Research Ethics Committee and the Animal Ethics Committee for this year are: Human Research Ethics Committee: 22 October, 19 November, 17 December. Animal Ethics Committee: 20 November. Agenda items are due two weeks before meetings. Enquiries Karen McRae, Office of Research, by email or on ext. 4457 on Tuesday, Wednesday or Thursday.

The Campus Alumni Bookshop is open on the second and fourth weekends of each month (Saturday and Sunday 1-5pm). Come and browse through a wide selection of preloved textbooks and fiction. Location: Campus East, Cowper Street, Fairy Meadow (opposite Science Centre). All proceeds directed towards Campus East, Cowper Street, Fairy Meadow (opposite Science Centre). All proceeds directed towards university projects. Donations of material are invited. Enquiries to Alumni Office, phone 213 249 or 291 951.

Cell and Molecular Seminar Series: Held on Wednesdays in the Department of Biological Sciences (Building 35), University of Wollongong, Dates: 11 September, 23 October, 30 October. Inquiries: Associate Professor Ted Steele, Associate Professor Ross Lilley, Associate Professor Mark Baker, Dr Mark Walker, Ms Wendy Russell, Dr Ren Zhang or Dr Mark Wilson, phone (042) 213 013, fax: (042) 214 135.

What's On


Creative Arts

Graduating students productions:

Australian One-Act Plays or excerpts - 4-8 November, Kate Newey, Sharon Bell, Peter Shepherd possibly to direct. Performance Space.


Stop Press

Jerry Ellis From BHP to be Distinguished Speaker

The 1996 Kirby lecture will be held on Monday 16 September commencing at 6.45pm in the Hope Theatre.

Following the awarding of prizes the 18th Kirby Lecture will be given by Jerry Ellis, Deputy Chairman, and Chairman Designate, BHP on the topic of globalisation and the enterprise.

Enquiries: Di Kelly 213 612 or Rob Castle 213 666

Sociology Department staff seminars

These seminars will be on research, policy and practice and will be held in Room 19.2085, Thursdays 1.30-3pm: 12 September: Fadzilah Cooke, Whose Forest is it? Transnational Logging and Sovereignty.

University Social Club

Become a member and enjoy a variety of social events. A chance to meet others across the campus. Contact Jim McKee by e-mail or ext. 3376.