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UNIVERSITY OF WOLLONGONG

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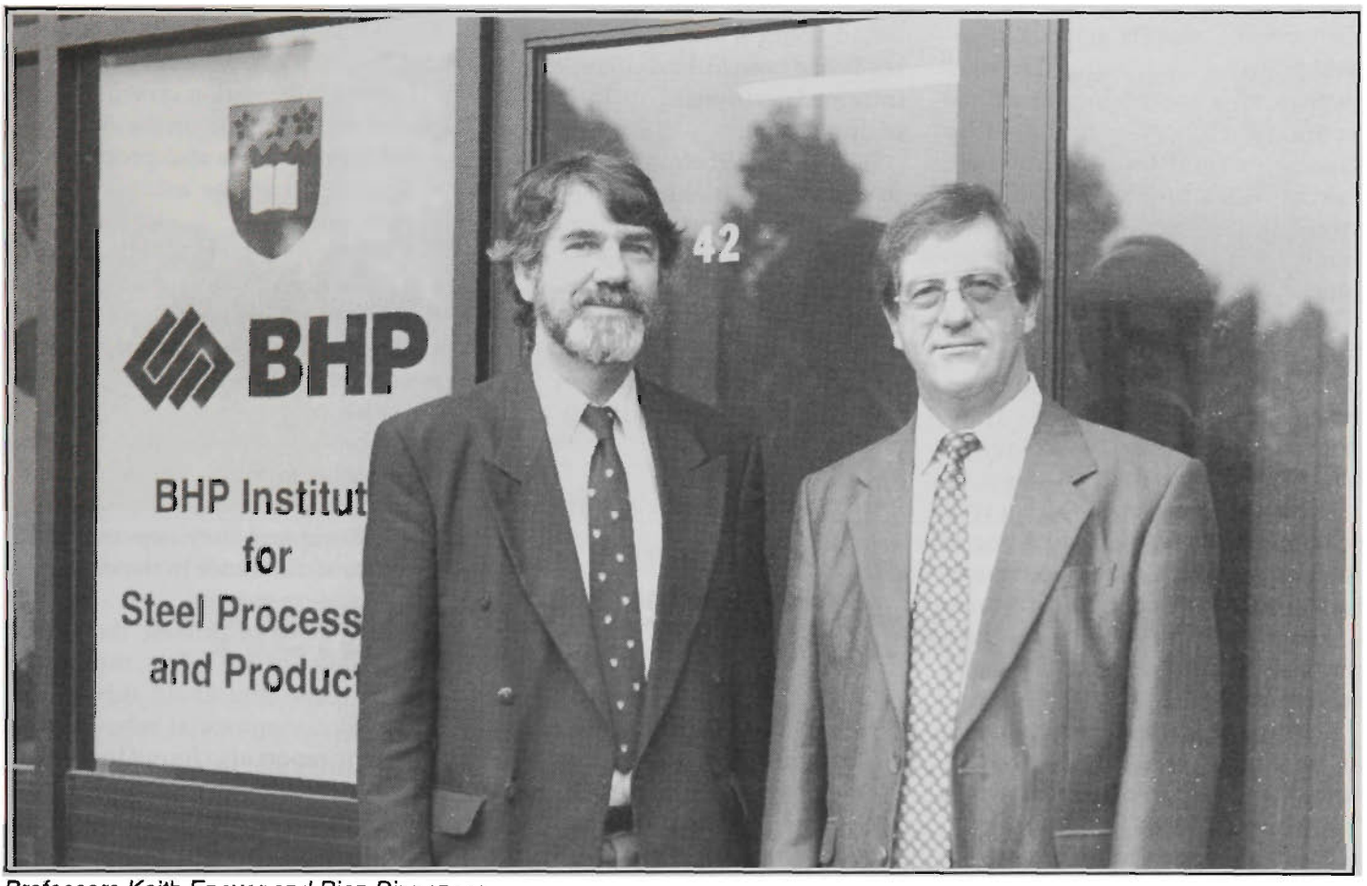
CAMPUS NEWS



Professors Keith Enever and Rian Dippenaar

New Director for Steel Institute

The Board of the BHP/University of Wollongong Institute for Steel Processing and Products has appointed Professor Rian Dippenaar as Director of the Institute.

Professor Dippenaar, who is ISCOR Professor and Head of the Department of Materials Science and Metallurgical Engineering at the University of Pretoria, was recently appointed to the Chair of Steelmaking and Casting within the Institute.

He has an international reputation for his research in this field and is well experienced in developing collaboration between universities and the steel industry.

After obtaining Bachelor and Masters Degrees from the University of Pretoria and some early experience in South Africa in industrial research and University teaching, Professor Dippenaar went to Cambridge University to study for a PhD.

His work there on the nucleation and growth of pearlite was of such a high standard that it led to a joint paper in the Proceedings of the Royal Society with his distinguished supervisor Professor Sir Robert Honeycombe.

On his return to South Africa he worked with the Atomic Energy Board for some years before returning to the University of Pretoria and to his close links with the South African steel industry.

Professor Dippenaar was always keen on fostering links between his University and other universities across the world and has been a visiting professor at universities in Canada, Japan and the United States.

He has also played a full part in professional activities, being an alternate member of the Engineering Council of South Africa, a member of the Council of the South African Institute of Mining and Materials and being on the editorial panel of several international journals.

Professor Dippenaar and his wife Antoinette, who practises as a lawyer

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Astronaut families and parachute children

The imminent return of Hong Kong to China has created a new phenomenon in Australian immigration known as 'astronaut families and parachute children', according to a new report by the Bureau of Immigration, Multicultural and Population Research.

Understanding the nature of this phenomenon and its associated social, political and cultural consequences was the main aim of the report, which was co-authored by Regelia Pe-Pua, Colleen Mitchell, Robyn Iredale and Stephen Castles from the Centre for Multicultural Studies at the University of Wollongong.

The report, Astronaut Families and Parachute Children: *The Cycle of Migration Between Hong Kong and Australia,* was released on Monday 3 June at the bureau's Second Women in Migration Conference in Sydney.

This report examines a recent type of immigration from Hong Kong to Australia in which one or more members of an immigrant family returns to Hong Kong for work or business purposes, while the rest of the family stays in Australia.

The returnees are popularly known as 'astronauts', while the children left with one or no parents are known as 'parachute children'.

The study focussed on the experience of 60 astronaut families from Hong Kong, mainly interviewing the wives and children left behind in Australia.

The basis for their selection was that one or both parents had returned to Hong Kong to resume their employment or business ventures, leaving part of their family in Australia.

Some of these families see Australia as a permanent home.

They probably would not have emigrated without the changeover of 1997, but given this they see Australia as a place where their freedom and safety will be protected, the report says.

Overall, Hong Kong astronaut families were relatively well prepared for the settlement process, the report found, as most of the immigrants already had been to Australia and made informed decisions about their choice of destination.

But an overwhelming majority of the astronauts in the study returned to Hong Kong soon after their arrival; with wives also returning in almost half the cases.

The astronaut phenomena is to Australia's advantage, as it helps integrate Australia more into Asia

Most women then returned to Australia to be with their children.

One of the major reasons those interviewed gave for astronauts returning to Hong Kong was the difficulty they experience in finding jobs in Australia that matched their education and experience.

The report found that the failure to have overseas qualifications recognised and problems in getting and keeping satisfactory jobs often led people to return to Hong Kong, to new or former jobs and businesses.

Labour shortages in Hong Kong have led to higher wages and good conditions.

In spite of their relatively privileged financial position compared with other immigrant groups, this group of Hong Kong immigrants, mainly the women and children, still experienced some problems in settling in Australia.

The report found that problems with English language, transport and social isolation were interlinked.

Lack of information on what to expect in Australia and on the availability of services were also problems.

The impact of the astronaut phenomena varied.

Some women were lonely and unhappy, while others had adjusted to the situation and were becoming more self-assured and independent as a result of the new responsibility thrust upon them.

The report also found that children in astronaut families generally shouldered more responsibility than in Hong Kong and they experienced a significant difference in the nature of the education system.

Some children missed the traditional figure of discipline, the father, and in some household this led to disruptive or antisocial behaviour.

But the report also found that some children coped with the changed situation, becoming mature and sensible very quickly.

Skilled migrants and business people from Hong Kong can help bring Australia into the global marketplace, the report states, but innovative schemes for assisting Hong Kong people interested in business in Australia, and linking Hong Kong business people with Australian firms, need to be promoted.

The study concluded that the astronaut phenomenon comes about as a possible solution to having to leave Hong Kong permanently after July 1997 as well as being the extension of a global mode of business operation.

According to the report, the distinction between permanent and temporary migration is breaking down and the changes in Australian immigration policy have reflected and encouraged this.

Overall the astronaut phenomena is to Australia's advantage, as it helps integrate Australia more into Asia.

New Director for Steel Institute

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in Pretoria, were looking forward to their move to Wollongong and Professor Dippenaar is impressed with the high standard of work already in progress at the University in the field of steel processing and products.

The Board of the Institute also recommended that Professor Keith Enever, who has been seconded from BHP Research for the last year or so as Interim Director, should continue on a part-time basis as Assistant Director with a special responsibility for fostering the relationship between the Institute and BHP.

Electorate officer representing Hon. Stephen Martin MP, Tanya Brown; Manager of the Union, Nigel Pennington; President of the Union Board of Management, Lylea McMahon; and Dean of Students, Josie Castle

'Wetting the roof' at Kids Uni

The University of Wollongong Union performed a 'wetting the roof' ceremony to celebrate the completion of a new 60-place child care centre called Kids Uni South on Thursday, 6 June.

Kids Uni South marks one stage of the development of increased childcare services on campus for both students and staff.

The 'wetting the roof' ceremony is a traditional ceremony that celebrates the completion of a building and symbolises the new life within the building.

The ceremony is particularly relevant for Kid's Uni South which will be child care centre caring for many young lives in the future.

Kids Uni provides care for 58 children and offers afterschool care, vacation care and Family Day Care services.

Kids Uni South will double the number of child care places available on campus.

Physics Ph.D. student awarded scholarship to do research in Max-Planck Institute

Ph.D. student in physics, Sean Stewart, has been awarded a three-month scholarship to carry out research at Max-Planck Institute for Solid State Research (MPIFKF) in Stuttgart, Germany.

He will work with the world renowned physicist, Professor R. R. Gerhardts, in the nanostructure research group in MPIFKF led by Nobel Laureate Professor K. Klitzing.

Nanostructure research is one of the most exciting fields in materials science to the end of this century. It is of fundamental importance in advancement of new physics.

Moreover, it is having significant impact on the industry of high-speed and ultra-small electronics.

MPIFKF has been leading the world in nanostructure research making major discoveries in physics at low temperature and under high magnetic fields.

After finishing his BSc honours with a first class honours and a University Medal in 1994, Sean started his PhD project early last on the topic of magnetotransport in nanostructure.

In his first year, he investigated the optical response properties of nanostructures under an electrical moduction and made an interesting new discovery.

His work has been published in Physical Review B and Semiconductor Science and Technology.

It is expect that his stay at MPIFKF will further enhance the institutional links research collaboration between MPIFKF and the University of Wollongong.

New course gives valuable skills to Sociology students

From left: Glenn Blackley, Nicole King, Mariela Villar, Yossey Dharmadinata, Sash Ivanovski, Dr Rose Melville and Kate Jarvis.

Students enrolled in the third year Sociology subject 'Sociology Research: Methodology and Practice' are finding that research can reveal vital information for their own personal lives and careers.

Recently appointed academic Dr Rose Melville has restructured this subject and is encouraging her students to design and implement research projects from beginning to end on topics that have current relevance to society.

Three groups recently completed studies into Eating Disorders and the Media, Women and Prisons, and Sociology Careers.

The first study was released on the same day that the State Government announced a code of conduct governing the portrayal of women in response to figures that indicate that 1500 women a year die of eating disorders.

The study entitled the Sociology Graduates Careers Destination Survey revealed some heartening information for Sociology students as well as some practical suggestions about how to improve their employment prospects.

With the assistance of the University's Alumni Office, 250 University of Wollongong sociology graduates from 1975 on were surveyed.

Of the 35 per cent who replied 89 per cent were employed and the 11 per cent unemployed also include those in further study, retired or choosing not to study for family reasons.

Most took three months to find employment after graduation with the longest period of unemployment being 18 months.

Forty one per cent were employed in government positions and 32 per cent in business or privately-run community groups, while 21 per cent were in sales and marketing.

Salaries favoured males who were employed in positions which paid up to $50,000 (mostly management jobs) while most female salaries did not go beyond $40,000.

New graduates found newspapers the most useful way of finding a position.

The problems new graduates encountered when seeking jobs were high competition followed by a lack of knowledge among sociology students about what opportunities were open to them.

As one student commented: 'If you are an engineering graduate you look under Engineering in the papers, but what do you look under if you are a sociology graduate?'

The students suggested to the departmental head, Professor John Bern, that more sociologists who are working in the community be invited to give seminars, a board could be maintained in the department which highlighted the range of job advertisements in newspapers and that he suggest to the University's Careers Service that they hold Sociology information days.

Funding for study of industrial relations in the Illawarra

The Labour Market and Regional Studies Centre coordinated by Associate Professor Ray Markey has secured additional funding of $60,000 to examine the perceptions of industrial relations in the Illawarra.

The University has already contributed $60,000 to the project, mainly out of its Challenge Grant scheme ($55,000), and $5000 from the Quality money.

The additional funding was announced by Minister for State and Regional Development, the Hon Michael Egan, and Attorney General and Minister for Industrial Relations, the Hon Jeff Shaw.

These funds will be provided jointly through State and Regional Development's Resources for Regional Development (RRD) program and the NSW Department of Industrial Relations.

Associate Professor Markey said the project is designed to test the regional uniqueness of industrial relations patterns in the Illawarra, and their impact on business practices and investment decisions affecting the area.

The project is an important means for the University to link its research activities with community service.

Although every regional economic report for the last 20 years has said that the IR climate of the Illawarra is a disincentive to investment in the region, there has never been any regional data, here or anywhere else in Australia.

This study will provide a model for the rest of the country, which is important because a regional focus is being recognised as more important for economic development here and internationally.

In this sense the project follows international best practice.

The timing of the survey is critical because it mirrors a national survey by the Australian Department of Industrial Relations, the results of which are being written up.

This will give a direct comparison with national trends and a component of the survey will allow comparison with US data.

Apart from testing for the first time the hypothesis that the Illawarra is characterised by 'poor industrial relations', by examining such indicators as strike behaviour and union militancy, the survey will provide a map of industrial relations in employer associations and unions.

It will cover incidence, membership, and structures within the firm; particularly human resource management, training, what level of management is responsible for different types of decisions, and when and how the unions are consulted.

This will allow specific strengths and weaknesses to be identified and ways of improving industrial relations and human resource management.

The study will enable effective benchmarking, and there will be sufficient data generated for firms to develop strategies and for outside investors to plan regional activity.

The survey will mainly involve 200 firms with 20 or more employees, which is a 25 per cent sample for these firms in the Illawarra. This is large sample, which will enable the breakdown of the data on an industry sector basis.

At each of these firms the chief executive officer, industrial relations manager and human resource manager, and a union delegate will be interviewed.

Five hundred employees will also be surveyed from these firms.

A small business version will also be carried out with a telephone survey of 100 employers with 5-19 employees.

This study has already received strong community support, with representatives on the Advisory Committee including: Rod Oxley (Illawarra Regional Organisation of Councils), Paul Matters (South Coast Labour Council), Allan Gageler (Manager IR, BHP), Mark McDonald (Chamber of Commerce), Jennifer Gray (Australian Business), Bruce MacDonnell (NSW Dept. State and Regional Development), Lindy Manolovic (Illawarra Regional Economic Development Organisation), Col Markham (NSW Member for Keira) and John Bijen (Department of Industrial Relations).

Women and research workshop

More than 50 academic women attended a half-day research career needs analysis workshop on 29 May.

Entitled 'University Women and Research: Creating the Climate for Change', this workshop was the first step in the development of a program designed to identify and remove the obstacles that specifically impede women's research careers.

Associate Professor Sandra Egger from the Faculty of Law, UNSW, addressed the group and facilitated the workshop.

The response indicated that this topic is of great concern to many University of Wollongong women.

The program is a DEET-funded Staff Development iniative, co-ordinated by Peg MacLeod, through Academic Development Services (ADS), and directed by a focus group of the University's senior researchers.

Data collected from this initial workshop will be presented to deans, heads and research co-ordinators and will be used as the basis for an ongoing research career development program.

Enquiries: Michael Long, ADS, ext. 3618, or Peg MacLeod on internal e-mail.

Outstanding in many ways

Kylie Wills, a second year student majoring in Japanese, is one of only two students in NSW to be awarded a 1996 study-tour award for outstanding foreign students of the Japanese language.

This award is based on the results of the 1995 Japanese proficiencey test.

Kylie deserves special congratulations for achieving this award as she is undertaking tertiary studies with a physical disability.

Kylie came to the University after completing her HSC studies at Lake Illawarra High School.

This award offers students the opportunity to travel to Japan for two weeks and experience first hand the Japanese culture, society and language.

The program includes lectures, kabuki and tea ceremonies and demonstrations as well as tours of Tokyo, Hiroshima, Kyoto and Nara.

Accommodation is provided at the Japan Foundation Japanese Language Institutes and there is a two-day homestay for students to experience the lifestyle of a Japanese family.

Graduate Certificate in Higher Education

The Graduate Certificate in Higher Education is available to all academic staff and suitably qualified general staff of the University. It is a 24-credit point subject offered by the Faculty of Education as part of a nested array of graduate courses in the adult education area.

The other courses involved are the Graduate Diploma in Adult Education and Training and the Master of Education (Adult Education).

The Certificate in Higher Education course comprises three eight-credit point subjects:

- Introduction to Tertiary Teaching (ITT),
- Instructional Design, and
- Evaluation and Assessment.

Introduction to Tertiary Teaching (ITT) is offered each session, usually on Wednesdays (1.30-4.30pm) and Thursdays (9.30am-12.30pm). It is an in-house subject run jointly by the Faculty of Education and Academic Development Services. It requires attendance over a 14-week session and the completion of three assignments. It deals with basic strategies and skills for teaching in the University of Wollongong and uses reflective practice and the direct observation of teaching as major processes.

Instructional Design (EDGA991) is offered only in Autumn session, usually on Mondays from 5.30-8.30pm. It requires the student to engage in a formal process culminating in a design statement for an instructional intervention of interest to the individual. It considers needs analysis, task analysis, instructional analysis and decision-making in a predetermined process.

Evaluation and Assessment (EDGA993) is offered only in Spring session and has Instructional Design as a pre-requisite. It Spring session 1996 it will run on Wednesdays (5.30-8.30pm). This subject requires the student to compile an evaluation report on an instructional course or program.

Staff who are interested in enrolling in the Graduate Certificate course are invited to seek further information from the Graduate School of Education.

In the first instance they should apply for enrolment in the ITT course for Spring session.

To do this contact Maureen Bell, ext. 3946, or Michael Long, ext. 3618, in Academic Development Services for course information and enrolment forms.

Mine rescue research project

The University's Department of Civil and Mining Engineering, the Mines Rescue Service of NSW and the NSW Joint Coal Board have been co-operating in a research project at Elouera, Myuna and South Bulli Collieries into mine escape research.

Twenty-seven experienced underground employees from the mines volunteered to be part of the experiment.

This project is funded by the Australian Coal Association Research Projects and is conducted by Associate Professor Naj Aziz, Associate Professor Ernest Baafi and Dr Younglean Sun of the Civil and Mining Engineering Department, Mr Paul Mackenzie-Wood from the NSW Mine Rescue Service and Dr Ian Tague from the NSW Joint Coal Board.

The goal is to develop the means to perform practical escape planning that will account for factors such as age, weight, escape distance and environmental factors.

The research involved the gathering of information in the mine on escape times, distances and heart rates to predict how much oxygen is needed for a mine escape and to find the optimum distances between collection points for individuals to replenish their oxygen supply in an escape.

Other objectives were to measure the effect on oxygen consumption of adverse environmental conditions such as heat, humidity and smoke and to compare the oxygen consumption while carrying a 'person-wearable self-contained rescuer' versus wearing it.

Associate Professor Aziz said the mining industry attaches great importance to this research in the light of the recent mining fatalities in the Australian coal mining industry.

The project is expected to receive further funding to conduct laboratory treadmill tests as well as some additional field trials.

Australian Literary Criticism — A Bibliographic 'Essay'

By Richard Lever

Post-Colonial Literatures in English: Australia, 1970-1992, by Richard Lever, James Wieland, and Scott Findlay (published in April 1996, by G. K. Hall/Macmillan)

In 1990 Professor James Wieland and Scott Findlay, began work on a comprehensive annotated bibliography of Australian literary criticism.

I joined the project in late 1991 when Scott left for post-graduate study.

Our brief was to survey the criticism and identify representative or significant items, then list and annotate them.

This was straightforward, until we realised that determining what was 'representative or significant' meant examining virtually everything in the field.

With the help of the English Department and the Library staff (who never failed us), we collected, photocopied, filed and annotated so much material that it overflowed our office and crashed our computer.

As we went through this material, selecting particular items for inclusion while rejecting others, we became very conscious of the dilemma that researchers face: that to describe a field is also to create it.

And the more we read the more we realised that this itself was one of the dominant themes of contemporary Australian criticism: What is 'Australian literature'? Who defines it? How is it produced? Who controls it?

For the period we cover (1970-1992) witnessed the sudden appearance of writing and voices which had been excluded from conservative or otherwise narrow constructions of 'Australian literature' — 'new left', Aboriginal, women, migrants and other minority groups.

This time also saw the belated appearance in Australia of contemporary theories, such as structuralism and post-structuralism, semiotics, neo-Marxism, deconstruction — which draw attention to the way meaning and value are constructed.

It also saw the arrival of a new historical awareness.

The 'post-colonial' approach, for example, insists that the literature, severed from the English canon by the colonial enterprise, must be understood in its own peculiar terms.

These new and diverse voices and approaches directed attention in an unprecedented way to the problematic and value-laden category of 'Australian literature' — they politicised it.

This became the focus of the bibliography.

It also motivated us to adopt an openly involved approach to the material.

We sought to create not a collection of isolated items, but a kind of 'essay' in which we would write our awareness of the whole into individual annotations, and place them in dialogue with each other through constant cross referencing.

Our historical introduction provides the larger context, placing the contemporary field next to earlier generations of criticism — to times, for instance, when the 'cultural cringe' saw Australian literature banned from the universities altogether.

The Research Edge – Postgraduate Information Skills

The University Library presents a three-day intensive course for postgraduate students. The course will focus on information skills required by postgraduate students and include sessions on the research process, library services for postgraduate students, search strategies, record-keeping, book and journal material, searching CD ROMs, e-mail, electronic discussion groups, databases available via the Internet and finding relevant information on the Internet.

The course is activity-based and much of the time will be spent on 'hands on' learning. The aim of the course is to familiarise postgraduate students with the range of information sources and services available, with an emphasis on sources relevant to their subject area.

Where:	**University of Wollongong Library**
When:	**Monday 1, Wednesday 3 and Friday 5 July 1996** **From 9.30am to 4pm each day.**
Cost:	**$90.**

To Register:

* Complete the registration form available from the Library Information Desk. This form must be completed then taken in person to the University Cashier in Building 36 for payment. Following payment of $90, the registration form should be returned to the Library Information Desk immediately.
* Students must have a Wumpus email account before the course.
* Numbers are limited and participants will be accepted on a first-come, first-paid basis.
* Attendance is expected for the complete course.

Enquiries: phone 21 3548

General

Meeting dates for the Human Research Ethics Committee and the Animal Ethics Committee for this year are: Human Research Ethics Committee: 23 July, 20 August, 22 October, 19 November, 17 December. Animal Ethics Committee: 21 August, 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 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: 31 July, 21 August, 18 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.

25, 26 and 27 June: Educational Media Services Expo 2. Join us in the Communications Centre and explore the educational media services available to assist you. Our job is is to give you the tools to do your job better! Win a Web Page Screen Design! For further information contact Geraldine Lefoe on email Geraldine_Lefoe@uow.edu.au or ext. 3193.

What's On

Creative Arts

Creative Arts productions '96
Each year students and staff in the Faculty of Creative Arts produce a diverse range of performances. They are presented in numerous venues across the campus depending on the nature of the performance.
Following is the provisional timetable for this year. Watch *Campus News* for confirmation and more details.

Graduation Production – 11-14 September, Hope Theatre and 18-21 September, Newtown HSPA, director Janys Hayes, producer Jeff Kevin and assistant producer Jacqui Clarke.

Classic Production (Shakespeare, Marlowe, Jonson etc) – 23-26 October, directed by John Senczuk and Jeff Kevin, Performance Space, Black Box Production.

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

Art of Lunch

Every Thursday during session, from 12.35-1.25pm.
Venues are the Hope Theatre, Union Hall Foyer and Faculty of Creative Arts Music Auditorium. Brochures and information are available from Marilyn Meier, ext. 3990, and Jenny Fullerton, ext. 3996.

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 email or ext. 3376.

The University Of Wollongong Union opening hours during recess

Mid-Year Exams	15-30 June
Mid-Year Recess	1-14 July

Food And Bar Service

Food Hall:	7.30am-3pm Monday-Thursday
	7.30am-2.30pm Friday
Food For Thought:	9am-4.30pm
Glass House:	9.30am-2.30pm
Tavern Food:	12 noon-7.30pm
Duck Inn:	closed
Keira Cafe:	closed

Union Bookshop and Retail Centre

Monday-Friday:	8am-5pm
Open Saturdays:	10am-2pm

Stop Press

Campus News is published weekly on Wednesdays. Send material, preferably by Microsoft Mail or on disk, to E-Mail account 'Campus News' by noon on Monday of the week before that of publication.
For any other enquiries contact the Editor, Gillian Curtis (042) 21 3926.
Campus News has a circulation of 3500. It is distributed on campus to staff and students. 1000 are mailed to the community and overseas including schools in Illawarra, southern Sydney and Canberra; local, Sydney and Canberra media; Friends of the University; business representatives; MPs and numerous individual requests.