

# CAMPUS NEWS

## University of Wollongong appoints new Vice-Chancellor

The University of Wollongong has appointed Professor Gerard Sutton as its next Vice-Chancellor and Principal.

He will succeed the current Vice-Chancellor, Professor Ken McKinnon, who will step down from the position early next year.

Professor Sutton is presently Deputy Vice-Chancellor at the University. He has had a long and successful career as a university academic and administrator. He came to academia after spending several years as a senior research scientist.

In 1988 he was appointed as the Foundation Pro Vice-Chancellor at the University of Technology, Sydney.

In 1990 he was appointed to the Deputy Vice-Chancellorship at the University of Wollongong.

The University's Chancellor, Dr Robert Hope, said that the position had attracted worldwide interest and that Professor Sutton had been appointed in the face of strong competition from Australia and overseas.

'I believe that Professor Sutton's appointment will be very well received within the University of Wollongong and the academic community generally,' Dr Hope said.

Professor Sutton is a very able and experienced administrator who has

demonstrated since his appointment as Deputy Vice-Chancellor a high level of management and leadership skills. He has been a key figure in this University's continued growth to prominence.'

He added that Professor McKinnon would be leaving the University in good hands and had no doubt that Professor Sutton would be able to provide the leadership and direction that the University will need as it enters the next critical stages of its development.

Professor Sutton said that the vision and leadership of Professor Ken McKinnon had taken this university through its important growth stage. The next stage would be quite different to the strong period of growth the University had experienced over the last decade.

'The emphasis over the next decade,' he said, 'will be that of academic maturation.'

'We now have an appropriate range of faculties and a student body of optimum size to maintain our special character.'

'What we will be working towards is a strengthening and a deepening of the academic profile of the University.'



Professor Gerard Sutton

'We must have a culture and processes within the University that encourages each of us to achieve our full potential.'

'Strategic alliances with national and multinational companies and international organisations will be essential and links with our local community must be deepened. New teaching techniques involving optimal use of technology must be part of our future.'

'The greatest strength of this university is without any doubt its staff. The energy and commitment of our staff is outstanding and without peer in my experience.'

'It will be an honour to lead the University into the 21st century.'

## Wollongong - in top 12 'best buys' again!

Once again the University of Wollongong is in the list of the 12 'best buy' institutions published in *The Independent Monthly's* Good Universities Guide '95.

This guide has been published for four years and each year Wollongong has been one of the 'best buys'.

Wollongong is consistently rated among the top institutions in the country no matter what criteria is used - testimony to the vision and careful planning of the last 14 years. To be a 'best buy' you must offer something in every field to every kind of student. Each best buy has its own particular strengths and appeal.

This is what they said:

'Wollongong goes from strength to strength, a fact which owes much to the quality of the university's leadership.'

'We remarked last year that Wollongong "is becoming so popular that it is in danger of losing one of its main selling points, easier entry to its courses than those of its Sydney counterparts".'

'The entry difficulty rating moved up from four stars in 1994 to five this year, but don't give up. It still scores very well on the flexibility of entry rating.'

'Most courses are based on the academic disciplines but are taught with more awareness of the realities of work and the labour market.'

'Wollongong puts more effort than most universities into improving the quality of teaching, especially for those with problems in writing, study skills or maths. No one thing sells Wollongong.'



Bursary winners Natalie Rosenbaum, Caroline Raleigh, Melanie Jackson, Fiona Phillips, Ailan Tran and Kerry Townsend.

## Girls in Engineering awards for high achievers

The Faculty of Engineering, in conjunction with the Institution of Engineering held an 'Engineering Lifestyles 94' information afternoon for interested female high school students and their parents on Tuesday 26 July.

At this function, six bursaries were presented to females in engineering courses within the University.

Each bursary is worth \$500 and is awarded to the first-year female student from each engineering sub-discipline who achieved the highest TER in the HSC.

Bursary winners were: Natalie Rosenbaum (Mechanical Engineering), Caroline Raleigh (Civil Engineering), Melanie Jackson (Electrical Engineering), Fiona Phillips (Mining Engineering), Ailan Tran (Environmental Engineering) and

Kerry Townsend (Materials Engineering).

Some of these students were also awarded Co-op scholarships at the beginning of the year in recognition of their outstanding achievements.

The afternoon was officially opened by the Dean, Faculty of Engineering, Professor Tibor Rozgonyi, and the 1994 President of the Women in Engineering Network (WIEN), Helen MacLaine-Cross.

Guest speakers included Fiona Herbert, a mechanical engineer with Cynamid Australia Pty Ltd and Institution of Engineers Australia 1994 National Young Professional Engineer; and women graduates of the University who are employed as engineers in firms including Nortel, Telecom and BHP.

### Appointment for Stephen Castles

Head of the Centre for Multicultural Studies, Professor Stephen Castles, has been appointed as a member of the Multicultural Advisory Council.

Minister for Immigration and Ethnic Affairs, Senator Nick Bolkus, announced the appointment.

This council is chaired by the Hon Mick Young and comprises 22 members from a diverse range of backgrounds from each state and the Northern Territory.

The council will advise the Prime Minister on advancing multicultural policies in Australia and building on the national agenda for a multicultural Australia.

It will also have a role in advising on specific matters such as the Sydney 2000 Olympics.

### Australia Press Council prize for tertiary students

The Australia Press Council's Annual Competition includes a prize for tertiary students for a 2500-word article on 'The freedom of the press and its responsibility'.

Prizes up to \$1000 will be awarded.

The final date for receipt of submissions is 1 March 1995.

Enquiries: The Executive Secretary, The Australia Press Council, 303/149 Castlereagh St, Sydney. Ph 008025712

### Postgraduate Research Student Open Day

Each year postgraduate students put their research work on display.

This is an opportunity for cross-fertilisation across campus, for the community to learn about a range of

research activities and to give students the opportunity to practise explaining their programs to a general audience.

This year it will be held on Thursday 15 September in the Union Function Centre.

Presentations will be in the form of static displays and oral presentations.

### Your cooperation needed

During the following times the University's switchboard has only one operator: 8.30-9am and 12.30-1.30pm.

If you can make your calls at other times it would greatly assist with this problem and allow incoming calls to be handled promptly.

After many years in Building 8, the University's switchboard has been relocated to Building 15.

**UNIVERSITY OF WOLLONGONG OPEN DAY**

**SUNDAY 28 AUGUST**

# It's a fact: A visit will change your thinking

Time and time again visitors to the University tell us that they had no idea that the University of Wollongong was such a beautiful place with so much to offer.

Students set on studying in Sydney go away with a new perspective on their opportunities and local students realise the advantages available to them right on their door step.

Be one of those that have this mind-expanding experience by visiting us on Open Day

The staff and students of the University of Wollongong are waiting to welcome prospective students and their families on Sunday 28 August.

Attendance at university Open Days is vital for prospective students to enable them to make informed choices about which institution suits them best. Taste and try before you apply!

City Rail and the John J Hill bus company are cooperating to provide public transport services to the Uni-

versity on Open Day.

All north and south bound trains will stop at North Wollongong station to connect with John J Hill bus services to the University. Return connections will also be provided.

John J Hill also provide Sunday bus services to the University departing Wollongong City centre on the hour and return services departing the University at 35 minutes past the hour.

Visit the Public Transport stand at Open Day and find out about buses and trains to the University throughout the year.

All your questions about university life, courses and admissions can be answered by our friendly staff and students.

As well as general information sessions on admissions, accommodation and student services, information sessions will be presented by each faculty within the University: Law, Commerce, Arts, Science, Creative Arts, Health & Behavioural Sciences,

Education, Informatics and Engineering.

Be sure to find out about the special opportunities at the University of Wollongong for students with a high TER – scholarships, study abroad opportunities, advanced degrees, double degrees, enrichment programs, fast-tracking options (via summer session) and exemptions for prior learning.

Join a tour around the beautiful campus, be entertained by students from the Faculty of Creative Arts, take part in a variety of hands-on activities, and see the magic of Chemistry in action.

Other activities throughout the day include film screenings, hands-on demonstrations of computer-assisted language learning techniques and multimedia presentations in most faculties.

Creative Arts highlights include rehearsals of a theatre production, performances by musicians – classical, contemporary and jazz – and readings from the writing students.

'The Trial of Jack' (of Jack and the Beanstalk) will be performed by students of the Faculty of Law and local barristers.

There will be displays of aboriginal arts and crafts and a variety of book fairs.

International student groups from the Indian, Thai, and Singapore students associations will provide an International Food Fair and exhibition.

Special attractions from the engineering department include Methane Gas Explosions, Spontaneous Combustion Experiment, robotics demonstrations and free model train rides.

In the sporting arena, free access will be available to the Aquatic Centre, Sports Hall, Squash, and Tennis Courts.

Spectators will be dazzled by talents in badminton, trial matches for the Australian Universities Games teams, an aerobics display and a celebrity tennis match.

Take part in the special Open Day Evaluation and you could be in the running to win a Macintosh Computer! See you at Open Day.

## New facilities for Kid's Uni

Since the opening of stage three at the end of June, staff and students at Kid's Uni have benefited from extensions and renovations to the existing centre facilities.

They now have a larger staffroom, kitchen and after-school care facilities.

There are more kids' toilets, a larger administrative assistants office and most of the rooms were repainted.

The baby change room was renovated and a second one built, as well as a new cot room.

These renovations would not have been possible without the assistance of Vice Chancellor, Professor Ken McKinnon, who contributed \$176,250 and officially opened stage three, and announced a further funding grant of \$60,000 towards the new facilities by the University.

More than 80 staff, students and parents attended the opening.

Kid's Uni has:

- After-school and school-holiday care for 20 children in a recently built room;
- Qualified and experienced staff;
- A wide variety of programmed activities;
- Staff to collect children from the Madoline St Bus-stop (from Gwynneville and St Brigid's Schools);
- Care available on pupil-free days (if sufficient numbers allow).

Limited vacancies are available. People from the community can apply as well as university staff and students.

Contact Trudy Ruiz, phone 21 3072, for more information.

Limited funding is also available from an equity grant Kids Uni received last year.

This grant aims to assist women in non-traditional areas of study with their childcare expenses while engaged in fieldwork research.

Applications must be submitted to Trudy Ruiz, Director, Wollongong University Child Care Centre, c/- Post Office, University of Wollongong NSW 2500.

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# The Trans-Pacific electronic tutorial

A recent visitor to the Department of Information and Communication Technology (IACT) was Professor of the School of Journalism and Communication, University of Oregon, USA, Deanna Robinson.

Professor Robinson was involved in the design and organisation of a teaching innovation using electronic mail, pioneered between the universities of Oregon and Wollongong by Dr Richard Joseph from IACT.

Since 1993, as part of this international cooperative project, students from Oregon and Wollongong have been encouraged to use EMail as part of their tutorial work, resulting in the Trans-Pacific electronic tutorial.

The origins of the Trans-Pacific electronic tutorial program stem from Dr Joseph's involvement in International Communications, part of the Bachelor of Information Technology degree.

This subject deals with the political aspects of international communication as well as the way international telecommunications are organised and regulated.

However, there is nothing like practical work to demonstrate new ideas and develop student learning.

This can be difficult in the area of international communications because communication costs can be high and expensive equipment is often unavailable.

Electronic mail provides a cost-effective way of giving students experience with a relatively new communications technology, as well as providing a medium for the exchange of research material and ideas.

The opportunity to put these ideas to the test came in early 1993 at the Pacific Telecommunications Council's annual conference in Hawaii where Dr Joseph and Professor Robinson met after communicating by electronic mail before this meeting.

Professor Robinson was looking for ways to introduce her students to electronic mail.

Both were both teaching groups of similar size and in related subject areas.

In this way the 'happy coincidence' of the Trans-Pacific tutorial between Wollongong and Oregon started.

In the projects between the two universities, student teams defined sub-topics for their research contributions to 'cultural imperialism' and 'universal service'.

They were required to learn how to get connected to Internet, how to upload and download electronic files between desktop computers and the University's mainframe, and how to send and receive files between Oregon and Wollongong.

The major problem encountered during the Oregon-Wollongong collaboration was getting everyone trained electronically.

Because people use unique sets of com-



Dr Richard Joseph, Professor Deanna Robinson and IACT student Bruce Campbell connect with students in Oregon.

puter equipment – different word processors, computers, communication software, etc – it is difficult to help them learn to upload and download files.

The process took so long that the term was half over before people could really begin communicating between the two schools. Schools need to standardise system parameters as much as possible and increase the consulting resources available on campus.

University of Wollongong, International Communications student Bruce Campbell said there were a few small problems to sort out, 'but it's worth persevering'.

'We could talk to other students overseas so easily and in real time,' he said.

'It was much better than the phone because you could leave proper messages and the time difference between here and Oregon didn't matter.'

The benefits of engaging students in a practical use of communications technology which involves an international and cross-cultural dimension far outweighs any problems caused by the limitations of the medium.

An additional benefit is that students learn not just about information or technology' but rather the exchange of information.

Frequently, members of these groups will be separated geographically and will be working electronically; some workers may do their jobs almost completely via electronic communication.

Telecommuting is being used to cut costs by some companies, thus eliminating the need for elaborate office space and students need to be prepared for this new environment.

Universities worldwide, as a result of declining budgets, are assuming a more entrepreneurial role.

Distance education represents a way to reach more students while at the same time

offering those on campus better educational experiences.

Conceivably, people living in Wollongong will be able to earn a degree at the University of Oregon and vice versa in the not-too-distant future.

This means that universities will be competing for students in each other's backyards.

Collaborative distance education benefits all involved institutions by providing a bigger resource base and eliminating competition among consortium members.

There are numerous educational issues arising from the tutorial experience which need further investigation.

Apart from the logistics of working and forming tutorial groups, there are issues to do with privacy of communications, the way we communicate electronically, the extent to which the lecturer should intervene, and how tertiary education itself could be altered by the use of these technologies.

Professor Robinson said: 'There is definitely room to refine the process, but both universities are working together on common ground with common interests which makes rapid changes easier.'

'The practical dimension and the increased level of teacher exposure for students show the benefits far outweighing the costs.'

'It is a resource for everyone, a useful product and a new mode of communication.'

'Communication is a very complex issue and information cannot be assumed, though group work across distances and cultures has been a rewarding but at times difficult experience.'

As a result, cooperation between the two universities through EMail – which is both widely available and relatively cheap – could lead to regular staff and student exchanges and open up teaching and research opportunities.

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## ITC CONTRIBUTIONS TO UNIVERSITY TOP \$2 MILLION

In 1993, the Illawarra Technology Corporation paid over \$1.5 million in consulting fees to Faculties, Deans and academic staff of the University of Wollongong. This was part of ITC's record \$2,057,000 in payments in specific contributions to the University and its staff by the Corporation, a figure representing just over 15 per cent of ITC's \$13.4 million turnover for the year.

Also included in the total was \$477,000 in scholarships and assistance with student fees. A significant proportion of the scholarships were for postgraduates in the burgeoning field of telecommunications, where the University and ITC have established an international reputation for leading edge research and development. There was also a payment of \$50,000 towards the Chair of Bulk Materials Handling, part of a five-year \$250,000 commitment.

ITC Chairman Mr George Maltby said he and his fellow Board members were delighted that even in a very lean year, coming out of one of the worst recessions in the nation's history, the Corporation had been able to make such a substantial contribution to the University's various activities and especially to the support of scholarship. Mr Maltby noted that the overall level of payments by the Corporation to the University in 1993 was in fact considerably higher, if rental and other payments totalling \$1.6 million were taken into account.

"It would be quite correct to say that the Corporation's payments to the University in 1993 totalled \$3.657 million. We think it is important to distinguish between outgoings like rent, electricity and so on, and the specific additional contributions to the University. At the same time, the fact that we have to earn the money to pay for space, power and other services emphasises the point that our Shareholder, the University, requires ITC to operate on a serious commercial basis, without feather-bedding or hidden subsidies" Mr Maltby said.

"Of course, support for the University is the reason for the Corporation's existence, so in returning substantial earnings to the University we are in one sense just doing our job, as are the many other people whose efforts go to make this one of Australia's leading universities and a trail blazer in research and development. ITC has gained a lot of experience, some of it painfully, in doing business in the nineties. That experience is being utilised now to enable the University of Wollongong to play an even more significant role in the development of the nation and the region."

Mr Maltby said that with the recent release of the McKinsey Report on unlocking the growth potential of Australia's regions, and the announcement of the Federal Government's \$150 million Regional Development Program, it could be expected that a number of regional universities would be taking up the challenge to develop effective cooperation with industry, and with other potential partners for regional development.

"It is widely recognised that the University of Wollongong and industry in the Illawarra already have a considerable history of such collaboration. As the University's R&D, training and education, and consulting company, ITC contributes not just money to the University, but expertise in marketing and in commercial applications of research. To put that another way, ITC provides a

means of connecting academia with the world of business and industry. For example, one of the McKinsey Report's case studies is on the work of the Illawarra Regional Development Board in developing a vision for heavy engineering as a key regional business. The study mentions specifically the importance of the University as a key attribute of that vision."

"I'm pleased to say that the University's Faculty of Engineering and ITC work very closely together on a range of projects, sharing skills and developing opportunities which enhance the activities of the Faculty, as well as benefiting ITC and our customers in industry. We work in a similar way with other Faculties also and in 1994 we are seeking very actively to build and strengthen our links across the campus."



Mr George Maltby, Chairman of the ITC Board of Directors

## ENVIRONMENT HEADS TOWARDS COMMERCIALISATION

A public call to potential licensee/operators for Howard Worner's innovative ENVIRONMENT waste recycling process has resulted in responses from twelve local and international companies. A short list has now been drawn up, and the selected companies will be issued with a comprehensive package of background information on the process, which includes economic modelling, revealing that ENVIRONMENT has the potential to

provide almost 40 per cent internal rate of return.

The target program is to negotiate the Australian licence this year, and it is expected that the first commercial operation will be established on '21 Area' of the BHP Port Kembla complex. This plant will be used as a commercial scale demonstration, and will have the capacity to produce approximately 30,000 tonnes of re-useable cast iron from some 90,000 tonnes of wet sludge feed mixture.

Further information:  
John Weidemier (042) 268827



## Company Secretary Appointed

Mr Stuart McDonnell took up his appointment as Company Secretary of ITC on 5 May 1994. Mr McDonnell is a member of the Australian Society of Certified Practising Accountants, and his most recent appointments have been as Financial Controller with J I Case Australia, and Business Manager with Unisys Australia.

## MARINE LAW COURSE FOR INDONESIA

The twenty participants from Indonesia for the Marine Law Course for OTO Bappenas (Overseas Training Office, National Development Planning Agency, Government of Indonesia), all distinguished lawyers, commenced the course as scheduled on 4 July 1994. The group of distinguished lawyers is composed of members of the Indonesian Attorney General's Department, Judges, and high ranking officers in the armed forces and the Police Department.

At the request of OTO Bappenas, the specially-designed course will be presented for a second group who will arrive from Indonesia towards the end of September 1994.

*Further information:*  
Kerry Lyon (042) 268953

## Australia-Korea Links

Two staff members of the Centre for Transport Policy Analysis were recently awarded travel grants from the Australia Korea Foundation. Associate Professor Ross Robinson travelled to Seoul, Korea, to investigate recent developments in the port of Pusan and, as a major feeder port, the possible effects of the changing status of Hong Kong on its operation.

At the same time, Dr Robinson was invited to present a paper at the international conference on International Trade Relations and World Shipping. The conference was hosted by the Korea Maritime Institute in association with the International Association of Maritime Economists.

Dr Sophia Everett also won a travel award, and had discussions with the Korea Maritime Institute in a bid to establish closer links with the Institute for both teaching and research purposes.

*Further information:*  
Sophia Everett (042) 268843

## LAUNCH OF SECOND FRAMEWORKS MODULE

The Pro Vice Chancellor (Academic), Professor Christine Ewan, launched the Frameworks Assessment and Evaluation Module at the University of Wollongong last month.

Funded entirely from the profit of the original Frameworks staff development module, this new program has already met with acclaim. In a speech given at the launch by Pauline Mitchell of Lake Heights Primary School, Ms Mitchell noted that "It was a great but unnerving privilege to be asked to trial the Assessment Evaluation Module.

"On behalf of the members of my profession, I sincerely thank the authors of Frameworks. Your work has such high credibility with teachers because it is grounded in action research. When it comes to building on or changing pedagogical practice, a staff development course must challenge and search the beliefs of the participants and then provide the practical and collegial support to practise these new beliefs and understandings. Frameworks is such a course. The completion of both modules has had a significant influence on our total school culture and I hope will do so on many others so that the end result is 'optimal learning for all'."

ITC Managing Director, Jim Langridge, reminded guests that Frameworks is a happy example of the commercial success afforded to academic programs through the marketing and financial management provided by ITC. He also congratulated the authors, Dr Jan Turbill and Associate Professor Brian Cambourne, on the successful development of the new program.

*Further information: Kathy Jones (042) 268970.*



• Pictured from left to right Dr Brian Cambourne (Education), Dr Jan Turbill (Education), Professor John Patterson (Dean, Education), Professor Christine Ewan (Pro-VC-Academic) and Jim Langridge (ITC).

## Cargo Study

The Centre for Transport Policy Analysis (CTPA) has been requested to carry out a study assessing hub, feeder and intermodal options on behalf of the trans-Pacific shipping company Australian New Zealand Direct Line, the Port of Brisbane Authority and the National Rail Corporation.

The study will investigate the option of moving all relevant cargoes through the port of Brisbane from where further distribution to Sydney and Melbourne will occur. The cost and feasibility of this alternate operation will

then be compared with the current practice to call at the ports of Brisbane, Sydney and Melbourne respectively. ANZ Direct Line is a major intermodal operator and is now considering a one-port-call in Australia and intermodal distribution to other Australian centres.

In assessing the alternate operation, CTPA will utilise its Multi-Modal Freight Flow model, an intermodal computer model which can track cargoes from origin to destination and compare costs in the existing operation and alternate options.

*Further information:*  
Ross Robinson (042) 268915

# MEAL SETTING SUCCESS

The automated meal tray setting system, originally developed over three years ago for Qantas Flight Catering by the Advanced Technologies Division, is continuing to be successfully commercialised.

The original prototype unit is still in daily use by Qantas, and ITC and Qantas are now benefiting directly, by means of royalty payments, from their investment in this development.



• Pictured from right to left, Mr Dennis Bouyer, Managing Director of Festo Australia, and Mr Paul Blackwell, Advanced Technologies Sales Manager, at the AIEE.

Heat & Control, a Brisbane based supplier of equipment to the food industry, now manufactures and markets this innovative technology under license, and has been successful in supplying two systems so far. The first of these, worth in excess of \$1.5 million, has been operational at SATS (Singapore Airport Terminal Services) since the beginning of this year. The second, purchased by Qantas, is currently in the final stages of commissioning. A number of other airline catering centres are watching with interest, so more orders are expected in the near future.

The SATS preset system was featured on the cover of the April issue of Festo News, as well as being the subject of a feature article. Festo is a major supplier of components for the system, and the Advanced Technologies Division stand at the Australian International Engineering Exhibition (AIEE) at Sydney's Darling Harbour in June was coincidentally opposite the Festo stand. Considerable interest in ITC's activities was generated by this issue of Festo News, which was freely available on the Festo stand.

*Further information:*  
Paul Blackwell (042) 268988.

## Major Trade Flow Study

The Centre for Transport Policy Analysis recently carried out a pilot study on behalf of TNT Australia. The study is part of a proposed Australia-wide study tracking, in the first instance, all major inter-capital city trade flows.

The current study, carried out by Dr Howard Quinlan, utilised CTPA's FREIGHTINFO database and estimated manufactured goods, secondary, retail and wholesale commodities along the east coast freight corridors.

It is anticipated that the second phase of this study will include national inter-capital city trade flows, using essentially three modes of transport - road, rail and coastal shipping.

*Further information:*  
Sophia Everett (042) 268843

## CTPA Executive Development Program

The Centre for Transport Policy Analysis (CTPA) has been requested by the West Australian Department of Transport to hold a number of workshops as part of CTPA's Executive Development Program to increase the awareness of the West Australian shipping community to more effective shipping practices. It is also aimed at encouraging market maximisation through the adoption of new approaches to transport issues.

The workshops are not restricted to shippers, but are also relevant to shipowner and port communities and government organisations. The first two workshops are to be held in September and November 1994, with the remainder scheduled for March and May 1995.

*Further information:*  
Sophia Everett (042) 268843

## NEWS FROM DUBAI

The Institute for Australian Studies (IAS) has been contracted by ETISALAT, the United Arab Emirates equivalent to Telecom, to teach English to employees throughout the Emirates.

IAS Director Martin van Run reports that 12 classes are underway, with a total of 214 students, across Sharjah, Abu Dhabi, Fujairah and Ras Al Khaimah. The first contract has ended successfully, with reports on the progress of all students being supplied to ETISALAT, and there are strong prospects that English language training will be extended to employees of ETISALAT on a regular basis. English language course enrolments continue to rise, and other corporate clients include Emirates General Petroleum Company, Dubai Ports Authority, Dubai Electricity and Water Authority, and Human Appeal International.

## RESEARCH CONSULTANCY IN NAURU

From 20 to 26 June 1994, Professor John Morrison was in Nauru working with the Nauru Rehabilitation Feasibility Study team. The team, organised by AIDAB, is in Nauru following an agreement signed earlier this year between the Australian and Nauru governments to examine the best ways of rehabilitating the extensive areas of Nauru damaged by phosphate rock mining over the last one hundred years. Over 80 per cent of the land surface of the country has been devastated by this activity.

The feasibility study has been established in two phases, and the first phase includes work on forestry development on the island and other revegetation activities. Other aspects included in the first phase include housing, a land use plan, human resource development activities, and the possible uses of residual materials, for example, dolomite and residual phosphate.

Professor Morrison worked on the preparation of a soil map of Nauru, and assisted with the forestry development and land use plans. He worked on the effective use of stockpiles of topsoil that have been retained from earlier mining activities. In addition he examined possible issues associated with the cadmium and other trace metal contents in Nauru soils. During the visit a presentation was made to senior Nauru government officials on the progress of the work. The final report of the team should be completed by September, when it will be assessed by the Nauru Government for possible implementation.

*Further information:*  
Peter McNamara (042) 268939



# WELC TEACHER EXCHANGE

The Wollongong English Language Centre (WELC) specialist Teacher in Computer Assisted Learning, Jennifer Buckle, has been chosen to go to the United States for a 12-month exchange visit, and will teach at the International English Centre (IEC) of the University of Colorado in Boulder. Jennifer will exchange with Mary Monogue, a highly experienced English for Academic Purposes teacher at the IEC.

The visit was instigated by another WELC teacher, Dennis Mulvihill, who has taught in Colorado, and who felt that both centres could benefit from an exchange of ideas and information. It is an exchange which augments the existing student exchange program between the University of Colorado and the University of Wollongong.

Jennifer will leave for the United States in August, and was invited to speak at the Asia



Pacific Information Technology in Training and Education Conference and Exhibition in Brisbane at the end of June. The conference was attended by delegates from Hong Kong, Singapore, Malaysia, New Zealand and Australia. Her paper, which allowed for her blend of expertise as a class teacher of

English for Academic Purposes with her abilities as a Computer Assisted Learning facilitator, was entitled "Computerising the Genre Approach".

• Pictured from left to right Mr Dennis Mulvihill and Ms Jennifer Buckle

## DARWIN PORT POTENTIAL EXAMINED

The Centre for Transport Policy Analysis (CTPA) is currently undertaking a study on behalf of the Darwin Committee. The object of the study is to assess Darwin's potential to develop as a major regional port and to look at the transshipment services to shippers in northern Australia and the East ASEAN growth polygon.

The development of the port of Darwin may provide a competitive advantage vis-a-vis other Australian ports, by virtue of its strategic location, and provide access to a dynamic shipping market in Southeast and East Asia. Dr Robinson, the Director of

CTPA, points out that strategic location and access to markets is not necessarily sufficient for development as a hub port into Australia. Land based transport links are essential, indeed the viability of the development will depend on a fully integrated cost effective end-to-end transport operation.

Further information:  
Ross Robinson (042) 268915

## TRAINING PROGRAMS

International Education and Training recently presented two training programs at the Port Kembla Coal Terminal (PKCT). An Environmental Awareness program was

attended by all PKCT employees (approximately 240), while the second, a Personal Skills Development program, which has a number of modules identified by PKCT as the training required for upskilling, was presented to a smaller group of 72 employees.

Further information:  
Nicole Paton (042) 268884

## ITC ANNUAL REPORT

The Annual Report of the Corporation for the financial year 1993 is now available. Copies can be obtained by contacting Gill Churchill on (042) 268970.



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# The Ethics of Multiculturalism



*Dr May (second from left) and Mrs May were welcomed by Canon Raymond Heslehurst; Deputy Vice-Chancellor, Professor Gerard Sutton; and ABC Director of Religious Programs, Father Paul Collins, at the start of the lecture studies*

Associate Professor in Inter-Faith Dialogue and Social Ethics at the Irish School of Ecumenics in Dublin, Dr John D'Arcy May, has been on campus for the last few weeks delivering a series of lectures on the Ethics of Multiculturalism: Conflict and Peace in an Inter-Religious Ethos.

He is the Inaugural Ethel Hayton Fellow in Religious, Spiritual and Contemplative Studies which has been established by the Friends of the University in memory of the Late Ethel Hayton, a long-time supporter of the University.

The lectures are on Mondays 7.30-8.30pm in the Communications Building Theatre 5.

They are self-contained, so do not be concerned if you have missed the first few.

August 15 (next Monday) marks the beginning of the second part of the series: Multiculturalism's Potential for Peace.

'Thought-provoking, controversial'

'Aimed at a general audience'

'I have always wanted to hear someone discuss this issue'

'Highly topical'

'Everyone should be thinking about this issue'

'Not only on multiculturalism, Dr May presents a way of thinking for all human affairs'

'Ground breaking in terms of human thought'

Part one was on Multiculturalism's Potential for Conflict.

Father Paul Collins of the ABC's religious programs is arranging a series of interviews and talk-back on ABC National with Dr May.

Dr May is also presenting a series of seminars on Tuesdays 4.30-6.30pm in Bld 11 Room 203

For further information contact David Muscio, Executive Officer, Friends of the University, phone 213 073.

UNIVERSITY OF WOLLONGONG OPEN DAY

SUNDAY 28 AUGUST

# Wollongong Law students take on Australasia

A delegation of nine law students from the University of Wollongong attended the Australasian Law Students (ALSA) Conference in Christchurch, New Zealand during July.

The conference involved intervarsity competitions in law including mooting, seminars and workshops on legal issues, council meetings for the exchange of information between law students' societies and social events.

It was here that Wollongong University made its impressive debut in the Australasian Mooting Competition.

Facing intense competition, the team of Patrick Culbert, Sinead Campbell and Helen Dalley was ranked in the top 10 universities among the 26 universities from Australia, New Zealand and Asia that participated in the competition.

Wollongong's World Client Interviewing Champions, Zoe Nielsen and Patrick Culbert, also conducted a seminar in Client Interviewing and Counselling at the conference.

The seminar received tremendous interest and numerous invitations were made for the Wollongong University Team to conduct seminars on the home campuses of other Austral-



University of Wollongong Law students at the ALSA Conference in New Zealand (clockwise from left): Helen Dalley, Michelle McCabe, Elizabeth Espnosa, Patrick Culbert, Rita Chowdhury, Jane Anderson, Natalia Yastreboff, Sinead Campbell and Zoe Nielsen

ian universities.

Law student, team member and ALSA Councillor, Natalia Yastreboff, said: 'The conference was a very positive experience for all students involved and the Wollongong Law Faculty.

'On behalf of the participants I would like to thank Allen Allen and Hemsley, Taylor Szekely Kelso, Blake Dawson and Waldron, Hargrave

Chambers, Wollongong City Council, the University Law Faculty and the University Foundation for their support.'

The Wollongong Law Students' Society is looking forward to hosting the ALSA Council meeting in September.

For further information contact Natalia Yastreboff, Wollongong Law Students' Society.

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**AFRICAN QUEEN**

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## Classic film adapted for stage

Theatre South presents a brilliant new production as part of its 1994 subscription season, The African Queen.

Based on the book by C.S Forrester and the 1951 film starring Humphrey Bogart and Katherine Hepburn, it has been adapted for the stage by Logie winner David McCubbin.

An all-time favourite, The African Queen is a hilarious, touching and romantic adventure set in German Central Africa during World War I.

Playing the central roles of Charlie, the gin-soaked and hard bitten skipper, and Rose, the prim, highly moral spinster, are husband-and-wife team, Dave and Annie Davies-McCubbin.

Both are highly acclaimed actors who have appeared for Theatre South before, in 1992's Richard III.

The production is directed by Jeff Kevin, from the Faculty of Creative Arts who is well known for his numerous performances for Theatre South in the last seven years, set design by Tim Moore, lighting by Peter Gossner and costume design by Jill Halliday.

The African Queen plays at the Bridge Theatre Coniston from 10-27 August, Tuesday to Saturday at 8.15pm, Thursday matinees at 11.00am, Saturday matinees at 4.30pm and a Sunday matinee on 21 August at 5.30pm.

Call Theatre South on 296144 to reserve your ticket.

**UNIVERSITY OF WOLLONGONG OPEN DAY**

**SUNDAY 28 AUGUST**

## General

15-19 August: SRC Blue Stocking Week.  
28 August: University Open Day.  
30 August-3 September: Union Week.  
4 September: Graham Park, Shoalhaven, Open Day.

15 September: Postgraduate Research Student Open Day, Union Function Centre.

Dr John D'Arcy May, 1994 Ethel Hayton Fellow in Religious, Spiritual and Contemplative Studies, presents a seminar program to accompany his lecture series. The program, called **'The Ethics of Multiculturalism: Conflict and Peace in an Inter-religious Ethos'**, will run on Tuesdays from 4.30-6.30pm in Tutorial Room, level 3, Bld 11.203. The remaining dates are: 16 August, Pluralism: Australia in the Asia-Pacific Region; 23 August, Engaged Buddhism: Thailand in Transition; 30 August, Post-modernism: The Decline of the West? Enquiries: David Muscio, phone (042) 21 3073.

**Human Research Ethics Committee.** Agenda Deadline Dates: 10 August, 12 October, 9 November, 7 December. Meeting dates: 23 August, 25 October, 22 November, 20 December.

Key Centre for Mines courses: 27 September: **Disposal and Utilisation of Mine Waste**; 7-11 November: **Modelling, Planning and Evaluation of Resources on a Personal Computer**; 14-18 November: **Environment**.

## What's On

tal Geology. Inquiries: Professor Naj Aziz, phone 21 3449, or Sue Wade, phone 21 3057.

**Cell and Molecular evening seminar series** run by the Department of Biological Sciences. 22 August: Prof Tony Basten (Director, Centenary Institute, Sydney University) The Beckman seminar on Self-Tolerance and Autoimmunity. 19 September: Dr Jim Chin (Elizabeth Macarthur Ag. Inst. Camden, NSW Dept. Agriculture) The Gibco seminar on Mucosal Immunology. 10 October: Dr Brad Walsh (Centre for Immunology, St Vincent's Hosp., Sydney) The BioRad seminar on Macrophage Activation & 2D-Electrophoresis. 17 October: Prof Barry Rolfe (Research Centre for Biological Sciences, ANU) The AMRAD/Pharmacia seminar on Plant Biotechnology. 24 October: Prof Peter Reeves (Dept. of Microbiology, University of Sydney) The Bresatec seminar on Prokaryote Evolution. Held at 7.30pm in Building 35, Room 105. Enquiries: Phone (042) 213 013, Fax (042) 214 135.

### City of Wollongong Symphony Orchestra Concerts

13 August: Past Eisteddfod Winners, Petra Davis (violin), Heather Lee, (soprano). Conductor: JWD. Univer-

sity Singers. Conyngham 'Matilda' (for BC's 50th b'day); Bruch Violin Concerto No1, Arias from 'Don Pasquale', 'Capulets and Montagues', 'Don Giovanni', Dvorak Slavonic Dances.

26 November: 'Judy Glen's Spaghetti Opera'. Conductor: JWD, Judy Glen, soprano-comedienne. A comedy of arias interspersed with short pieces from the 'classical favourites' repertoire.

All concerts at IMB Theatre, IPAC, on Saturdays at 8pm. Adults \$20, concession \$17, family of four \$64, student rush \$10.

### The Art of Lunch

A series of one-hour performances in the Music Auditorium (University Building 24.G01) on Thursdays at 12.30 during session. Admission: Free

### Long Gallery

Until 21 August: TAFE/Artist Books Exhibition.

25 August-18 September: Turkish Exhibition, student/community.

22 September-12 October: Postgraduate Show, Leonard Smith, Catherine Kay.

16 October-6 November: Bronzes, Ken Stone, Lynn Brunet.

14 November-7 December: BCA Graduating Exhibition.

For further information contact Elizabeth Jeneid at the Faculty of Creative Arts, phone (042) 21 3048.

## Illawarra Innovation Centre

Ms Robyn Lindley, from the Department of Information Technology and Communication, has received a grant from NSW Government's Department of Business and Regional Development to establish the Illawarra Innovation Centre on a trial consultancy basis.

The centre will be located at Business Information Services in the Wollongong City Council offices.

Ms Lindley will work in conjunction with other professional organisations and associations to assist inventors with a range of services for the development, protection, manufacture and marketing of new products.

Ms Lindley already has been working with the Department of Business and Regional Development to help several clients successfully develop and launch new products – especially those with export potential.

The grant will enable these services to be extended to a broader range of inventors and businesses wanting to launch new products, and to clients who have been referred to the centre by the NSW Department of Business and Regional Development.

As manager of the new centre, Ms Lindley will offer professional, confidential, specialised product evaluation and marketing services for new products, ideas and inventions from the development, prototype and early production stages to local businesses and inventors.

Ms Lindley's services will be provided to the centre on a one-day-per-week basis.

## Stop Press

### Review of the Department of Philosophy

The Vice-Chancellor has initiated a review of the Department of Philosophy which will take place in September.

Confidential submissions to the Review Panel are invited from the campus community. They should reach Peter Wood, Academic and Student Services by 31 August.

UNIVERSITY OF WOLLONGONG OPEN DAY

SUNDAY 28 AUGUST



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## MOUNT PLEASANT



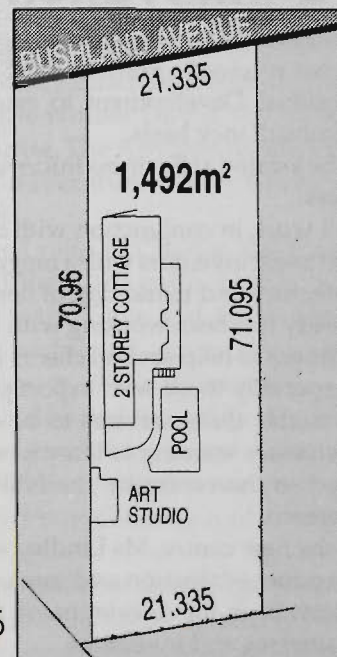
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INTERNATIONAL GRAPHICS

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