

# CAMPUS NEWS

## Bravery and academic achievement rewarded



*Anna-Lisa Imbriano and Ranay Hall, Special Endeavours Award winners*



*Adam Treverrow, winner of the Tertiary Academia Award*

When Ranay Hall and Anna-Lisa Imbriano, both Bachelor of Education (PE & Health) students, were working at the University pool in May this year an emergency situation occurred and they rushed to the rescue of a drowning man.

The man was found floating in the pool after suffering a seizure and the girls carried out cardio-pulmonary resuscitation (CPR) until paramedics arrived.

The paramedics later praised the girls for their professional response.

In recognition of their bravery, Ranay and Anna-Lisa were presented with the Special Endeavours Award at the recent St George Youth Endeavour Awards function.

The Special Endeavours Award is a new award that recognises people who have committed an act of bravery or heroism.

Ranay has been a swimming teacher at the pool for three years and Anna-Lisa began as a pool attendant at the start of this year.

Resuscitation skills are part of the compulsory work in the PE and Health Education course and the girls were nominated for the award by the Faculty of Education.

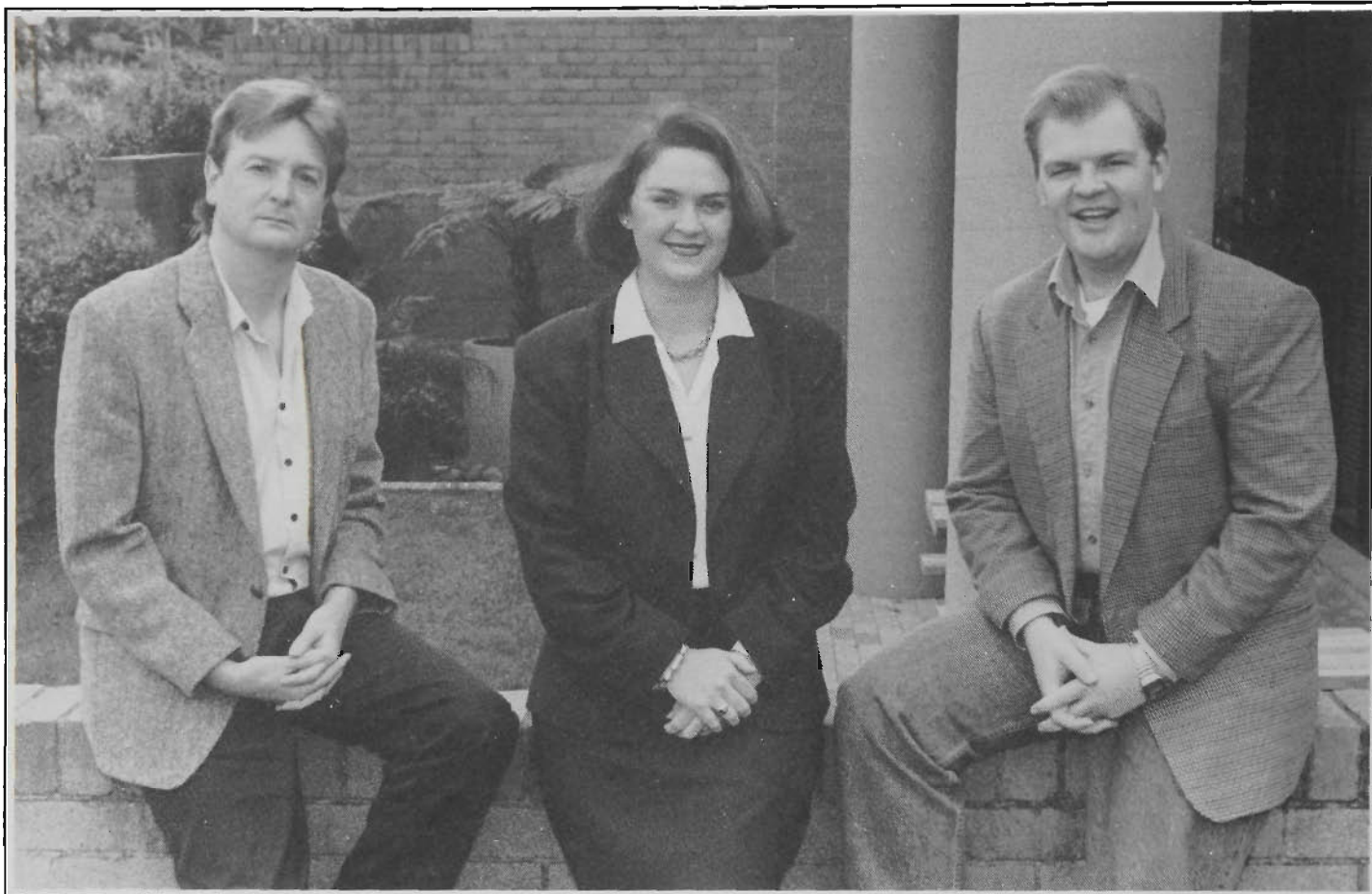
Also recognised as an outstanding student of the University at the St George awards was Adam Treverrow, winner of the third quarter Tertiary Academia Award.

Adam, a Bachelor of Materials Engineering student, was commended for his outstanding work, both theoretical and practical, throughout his course.

His nominator, Dr Geoff Brooks, said

*Continued page two*

# New Admissions Office team



*The new Admissions team (from left): Chris Hadley, Eloise Wett and Craig Peden.*

Following the resignation of Linda Maher to take up an appointment at the University of Western Sydney (Macarthur), Chris Hadley has been appointed to the Administrative Officer position within the office.

His previous position in the same office has been filled by Eloise Wett (formerly in Student Records).

The Admissions team is now Chris, Eloise and Craig Peden.

Chris, the Administrative Officer (ext. 3924), is responsible for the undergraduate admission function, the Student Enquiry Counter and the timetabling functions.

He has had eight years' experience in this area so is suitably qualified to supervise the officers currently filling

these roles.

The Administrative Assistants, Craig (ext. 4335) and Eloise (ext 3794), are responsible specifically for undergraduate admissions, honours applications and undergraduate course transfers.

Craig looks after the faculties of Engineering, Health and Behavioural Sciences, Informatics and Science; while Eloise is responsible for the faculties of Arts, Commerce, Creative Arts, Education and Law.

Craig and Eloise are former administrative trainees. Craig graduated with a Bachelor of Commerce last year and Eloise will finish her commerce degree at the end of this year.

## Bravery and academic achievement rewarded

*From page one*

he is practically strong and shows great research potential.

Adam has received many awards for excellence during his course and he hopes to continue his research at the University once he has finished his first degree.

Adam has applied to undertake his PhD next year working with Professor Howard Worner and Dr Brooks. Adam's research interests are in steelmaking and metallurgy.

Adam has always been interested in Science and when he finished Year 12 at Keira High School, he gained a Cooperative Scholarship in Materials Engineering to attend the University of Wollongong.

Other awards were presented including the Visual and Performing Arts Award won by Phillip Slater, an outstanding trumpet player who is performing overseas.

Phillip was a student at the University and played at graduation ceremonies.

The St George Youth Endeavour Awards are made on a quarterly basis to young men and women aged 16-25 of the Illawarra, Southern Highlands and Shoalhaven.

If you know of any students who deserve to be recognised for their outstanding work and efforts, nominate them for an award.

The next quarter closes at the end of November.

Contact Gina Woodward in Planning and Marketing (ext. 3027) for a nomination form.





*George Ditsa and Robert Macgregor*

## Award for best paper from Georgia, USA

Robert Macgregor and George Ditsa received an unexpected honour recently when a paper they had written was chosen for the best paper award at the 1995 Information Resources Management Association international

conference in Atlanta Georgia, USA.

The paper was titled 'Models of user perception, expectations and acceptance of information systems'.

Mr Ditsa, now a lecturer at Monash University, was a Masters student

supervised by Mr Macgregor, a senior lecturer in the Department of Business Systems.

Mr Ditsa went to the conference to give the paper and returned unexpectedly with the award.

The paper looks at the large body of research that has been conducted, following the proliferation of Information Systems, to determine the nature of user satisfaction and the criteria that make Information Systems acceptable.

An examination of the research suggests that there are many models being used, and while each provides useful data on the nature of user satisfaction, the findings are necessarily limited to the particular model employed.

This paper examines the shortcomings of each of these perspectives and presents an alternative which encapsulates the features of all the other models.

The paper argues that the alternative provides a more realistic picture when compared to its predecessors.

### ICIS international night

The Illawarra Committee for International Students (ICIS) is staging an international night on Saturday 14 October (6-12pm) at Wollongong Town Hall.

ICIS comprises international students and interested people from the University and wider community.

The aim of the committee is to provide services that contribute to the welfare of international students and to organise activities in which international students and the Australian community can interact and become aware of each others cultures.

The night will include live performances from various countries, food prepared by several nationality groups, a wide array of prizes (including two \$50 accounts from the IMB) and a disco.

Tickets are \$15 or \$10 for students. This includes food and entertainment.

Tickets are available from the ICIS Office and the Accommodation Office (both ground floor of the Union Building).

All are welcome. Enquiries: Michelle Carden, phone 214 622.



## UNIVERSITY OF WOLLONGONG

### ELECTION OF TWO MEMBERS TO THE UNIVERSITY COUNCIL BY MEMBERS OF CONVOCATION

*Pursuant to the University of Wollongong Act, 1989 and the By-Laws, nominations are invited from qualified persons for election as the two Convocation members of the Council of the University.*

The term of office for the elected members shall be four years from 1 January, 1996. **The Convocation members are to be ELECTED by and from the members of Convocation other than those who are members of the staff or students.**

The Convocation of the University consists of the graduates of the University, the graduates of the University of New South Wales who were enrolled for at least 3 years at the Wollongong University College, graduates of the Wollongong Institute of Education and of the Wollongong Teachers' College, the past and present members of the Council, the members of the full and part-time academic staff, the full-time non-academic members of staff who are graduates of other Universities and such other members as have been approved from time to time by Council on application.

**The persons qualified to NOMINATE candidates** are those whose names appear on the Roll of Convocation at the close of nomination. A person who is entitled to be on the Roll of Convocation may inspect the Roll at the office of the Secretariat, Academic & Students Services Branch, during the time that the office is open. (A person who is entitled to be on the Roll but whose name does not appear on the roll may make an application for the inclusion of his or her name; such applications should be addressed to the Returning Officer.)

**The persons entitled to VOTE** are those whose names appear on the Roll of Convocation at the date and time prescribed for the receipt of completed voting papers. WRITTEN NOMINATIONS MADE ON THE APPROPRIATE FORM SHOULD BE DELIVERED PERSONALLY TO A DEPUTY RETURNING OFFICER IN THE ACADEMIC & STUDENT SERVICES BRANCH IN THE UNIVERSITY ADMINISTRATION BUILDING NO LATER THAN 4.30PM ON 20 OCTOBER 1995. A RECEIPT WILL BE ISSUED.

Nomination forms can be collected personally from the Academic & Student Services Branch at the University or obtained either by telephoning the University (042-213573) or by writing to the Returning Officer at the address given below.

KE Baumber

Returning Officer

University of Wollongong  
Northfields Avenue  
Wollongong NSW 2522



## UNIVERSITY OF WOLLONGONG

### ELECTION OF THE STUDENT MEMBER TO THE UNIVERSITY COUNCIL

*Pursuant to the University of Wollongong Act, 1989 and the By-Laws, nominations are invited from qualified persons for election as the student member of the Council of the University.*

The term of office for the elected member shall be two years from 1 January, 1996.

The student member will be elected by and from persons whose names appear on the Roll of Students. The Roll of Students consists of all students enrolled as candidates proceeding towards a degree or diploma except full-time staff of the University.

**The persons qualified to nominate candidates** are those whose names appear on the Roll of Students at the close of nomination. A person who is entitled to be on the Roll of Students may inspect the Roll at the office of the Secretariat, Academic & Students Services Branch, during the time that the office is open. (A person who is entitled to be on the Roll but whose name does not appear on the roll may make an application for the inclusion of his or her name; such applications should be addressed to the Returning Officer.)

**The persons entitled to vote** are those whose names appear on the Roll of Students at the date and time prescribed for the receipt of completed voting papers.

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Wollongong NSW 2522



## UNIVERSITY OF WOLLONGONG

### ELECTION OF AN ACADEMIC STAFF MEMBER TO THE UNIVERSITY COUNCIL

*Pursuant to the University of Wollongong Act, 1989 and the By-Laws, nominations are invited from qualified persons for election as the Academic Staff member of the Council of the University.*

The term of office for the elected non-academic staff member shall be three years from 1 January, 1996.

**The academic staff member will be elected by and from the academic staff**, that is, professors within the University and persons holding the position of associate professor, reader, senior lecturer, lecturer, principal tutor and teaching fellow within the University and such other positions within the University as may be specified in regulations made by the Council for the purpose of this paragraph.

**The persons qualified to nominate candidates** are those whose names appear on the Roll of Academic Staff at the close of nominations. A person who is entitled to be enrolled on the Roll of Academic Staff may inspect that Roll at the office of the Secretariat, Academic & Student Services Branch, during the time that the office is open. (A person who is entitled to be on the Roll but whose name does not appear on the Roll may make an application for the inclusion of his or her name; such applications should be addressed to the Returning Officer.)

**The persons entitled to vote** are those whose names appear on the Roll of Academic Staff at the date and time prescribed for the receipt of completed voting papers.

WRITTEN NOMINATIONS MADE ON THE APPROPRIATE FORM SHOULD BE DELIVERED PERSONALLY TO A DEPUTY RETURNING OFFICER IN THE ACADEMIC & STUDENT SERVICES BRANCH IN THE UNIVERSITY ADMINISTRATION BUILDING NO LATER THAN 4.30PM ON 13 OCTOBER 1995. A RECEIPT WILL BE ISSUED.

Nomination forms can be collected personally from the Academic & Student Services Branch at the University or obtained either by telephoning the University (042-213573) or by writing to the Returning Officer at the address given below.

KE Baumber

Returning Officer

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Wollongong NSW 2522



## UNIVERSITY OF WOLLONGONG

### ELECTION OF THE NON-ACADEMIC STAFF MEMBER TO THE UNIVERSITY COUNCIL

*Pursuant to the University of Wollongong Act, 1989 and the By-Laws, nominations are invited from qualified persons for election as the Non-Academic Staff member of the Council of the University.*

The term of office for the elected non-academic staff member shall be three years from 1 January, 1996.

**The non-academic staff member will be elected by and from the members of the staff of the University other than those members of the staff who are eligible for election to the Council as academic staff members.** That is, staff other than: (i) professors within the University; (ii) persons holding the position of associate professor, reader, senior lecturer, lecturer, principal tutor and teaching fellow within the University; and (iii) such other positions within the University as may be specified in regulations made by the Council for the purpose of defining academic staff.

Please note that for this purpose full time non-academic staff of the University shall include persons employed for at least two days per week on a continuing basis, or for a minimum fixed period of two years and that these people will be entitled to be enrolled on the Roll of Non-Academic Staff.

**The persons qualified to nominate candidates** are those whose names appear on the Roll of Non-Academic Staff at the close of nominations. A person who is entitled to be enrolled on the Roll of Non-Academic Staff may inspect that Roll at the office of the Secretariat, Academic & Student Services Branch, during the time that the office is open. (A person who is entitled to be on the Roll but whose name does not appear on the Roll may make an application for the inclusion of his or her name; such applications should be addressed to the Returning Officer.)

**The persons entitled to vote** are those whose names appear on the Roll of Non-Academic Staff at the date and time prescribed for the receipt of completed voting papers.

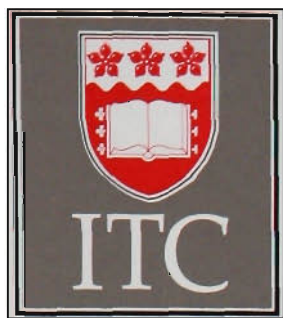
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# ITC NEWS

September 1995  
Vol 6 No 2

## NEW FUND FOR TECHNOLOGY INNOVATION

No matter how brilliant they might be, Australia's inventors have always had a challenge in finding the money to take their ideas to the stage of full commercialisation. So ideas often languish or are sold off to wealthy overseas corporations.

A new fund established by ITC's shareholder, the University of Wollongong, is designed to help bridge the gap from invention to commercialisation. The Technology Development Fund will be administered by the Board of Directors of ITC on the recommendation of a Technology Assessment Committee, headed by ITC Chairman Mr George Maltby. Other members of the committee are Dr Brian Hickman, Mr J W Langridge, Professor W Lovegrove, Professor P Robinson, and Mr J Weidemier.



*Jim Langridge  
Managing Director*

ITC Managing Director Jim Langridge said the Technology Development Fund offered an excellent opportunity for the University and ITC to provide support for innovation. "A detailed review over recent months has shown that one of ITC's key strengths is the development and commercialisation of technological innovation," Mr Langridge said. "But we can fulfil

that role much more effectively now that we have a fund dedicated to the purpose and an assessment committee with a very considerable amount of combined academic and commercial expertise."

"We will be providing forums and other briefings for the academic community, so that we can explain how the fund will work, including the provision for direct assistance in the preparation and presentation of proposals to the committee."

Contact: Peter McNamara (61 42) 268 939 <Peter\_McNamara@uow.edu.au>

## WORLD CLASS RESEARCH AND DEVELOPMENT IN WIRELESS TELECOMMUNICATIONS

Giant telecommunications corporation Canon Inc. has taken out a patent on high speed wireless local area networks (LAN) technology which was developed by ITC Communications under a recently completed research and development contract.

This was ITC's second R&D contract for Canon and followed on from a three year contract, completed in 1993, in which compact radio units were developed to demonstrate the feasibility of a very low power, spread spectrum, ISDN based, wireless LAN system.

Communications Division head, Dr Peter White, commented that support for ITC's research and development work with Canon comes directly from Canon Inc's R&D headquarters in Tokyo. "We know that Canon values our capability of producing practical solutions to complex problems, particularly in the area of wireless LAN technology, which is strategically very important in the global telecommunications economy," Dr White said.

Contact: Dr Peter White (61 42) 268 959 <PETER@citr.itc.com.au>

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## ITC ON LINE

As an international provider of services in technology and education, ITC shares the rapidly growing interest in the Internet as a tool of research, promotion and rapid communication.

With the assistance of the University of Wollongong's Information Technology Services staff, ITC has installed its own home page on the World Wide Web.

The URL is  
<http://www.uow.edu.au/itc/>

We welcome feedback via email on <itc@uow.edu.au>



# GOVERNMENT BUSINESS OPPORTUNITIES

## Canio Fierravanti Reports

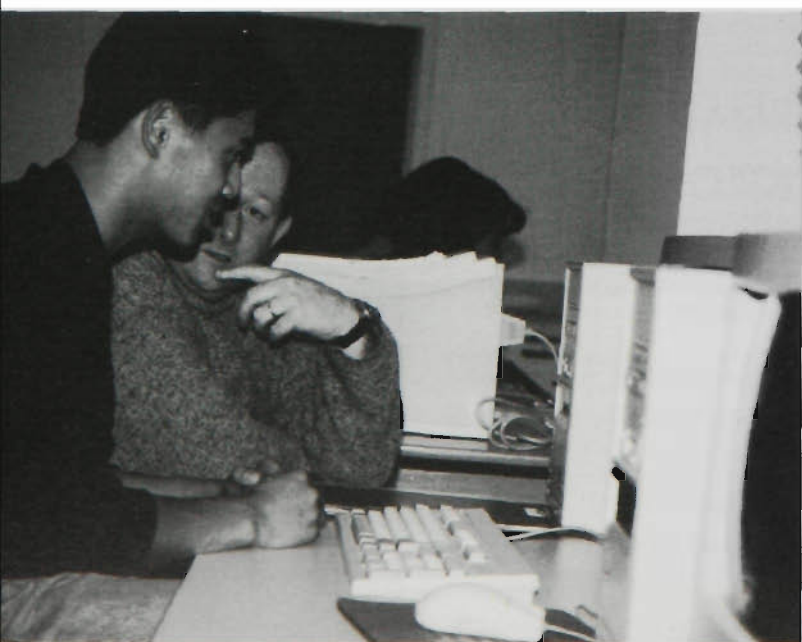
Since I took on the position with ITC as Manager, Government Business Development, I have been in fairly continuous contact with government officials, Federal and State. From the various discussions and briefings I have been able to build a good picture of the opportunities for ITC in the government sector.



In recent years, governments in Australia have gone to great lengths to simplify the process of finding out about programs of industry support and opportunities for contract and consulting work with government agencies. Federally, there is extensive coordination of advice and support through AusIndustry, which has been set up to assist Australian manufacturing and service industries to become internationally competitive. In New South Wales, the Department of State and Regional Development manages a range of programs of industry support and has a keen interest in supporting business initiatives in this state.

ITC subscribes to the information program BizHelp, which provides regular updates on government programs of support for industry. Enquiries about such programs and other government business opportunities are welcomed.

Contact: Canio Fierravanti (61 42) 268 822  
<c.fierravanti@uow.edu.au>



First day at the new computer assisted language learning laboratory, Wollongong English Language Centre, ITC

Ann Webb, ITC's former Manager, International Projects, who retired in July. Ann was the first editor of ITC News.



## WOLLONGONG ENGINEERING EXPERTISE TAUGHT OFFSHORE

Staff of Hong Kong's Mass Transit Railway Corporation are studying for a University of Wollongong Graduate Diploma in Maintenance Management, delivered by Wollongong's Faculty of Engineering. The Faculty collaborated with ITC on the development and establishment of this initiative, which was project managed by ITC from the first contact and through the set up phase.

Peter McNamara, ITC's Manager, Intellectual Property and Consulting, commented that ITC's project management role involves planning, contract negotiations, financial management and full administrative support. "We have a lot of experience in project management, so we are able to provide a comprehensive, quality service at a very competitive price," he said.

Another offshore collaboration by ITC and the Faculty of Engineering is in the presentation in Singapore of the Graduate Diploma of Total Quality Management. The course is delivered in Singapore in a partnership with Summershire Education Consultants. The Graduate Diploma is an eight course program designed to provide participants with a sound knowledge of TQM principles. Lectures are provided in Singapore by University of Wollongong academics from the Faculty of Engineering and the Department of Management, Faculty of Commerce.

Contact: Peter McNamara (61 42) 268 939  
<Peter\_McNamara@uow.edu.au>

## ADVANCED TECHNOLOGY IN THE FOOD INDUSTRY

ITC's Advanced Technology group conducts a substantial part of its business with the food industry.

Senior consultant Graham Evans has over 36 years of experience in the industry. Before coming to ITC he was General Manager, Manufacturing, for food giant Edgell-Bird's Eye and responsible for the operation of the company's eleven factories across Australia.

Contact: Paul Blackwell (61 42) 268 988  
<Paul\_Blackwell@uow.edu.au>

# RECORD ENROLMENTS FOR PRE-UNIVERSITY STUDY

In the past three years, enrolments for the Wollongong Foundation Studies Program have leapt from fifty five a year to almost two hundred. The Program is managed by ITC for the University of Wollongong. In an interview with ITC News, Director of Studies Gai Warner spoke about the success being achieved at university level by graduates of the Program.

*You have had a more than 300 per cent increase in enrolments in the past three years. That sort of increase must be very gratifying. What subject areas are represented and what sort of staff numbers do you have to cope with that?*

Yes, the enrolments are phenomenal. Most of the students are enrolling in commerce, but there has been a big increase in the arts, about six-fold from four early last year to twenty seven now. We have four permanent staff with twenty one part time tutors and lecturers in various subjects. Most are also tutors or lecturers at the University of Wollongong and all are academically qualified in the subjects they teach.

*Do you keep track of how your students perform once they get into University studies?*

Certainly, and in fact a lot of them come back here quite regularly to let us know how they are going, to get some advice and sometimes to get some reassurance and encouragement as they tackle the challenges of a university course. We also get a lot of feedback from the academic staff and I am delighted to say that the reports we have been getting are extraordinarily good. On a formal level, our students are getting very good results and some are excelling. Most are getting credits and many are achieving distinctions and high distinctions in their first year. Generally, the rest are at least passing. One student from last year, Chris Mar from Fiji, achieved three high distinctions in his first semester of a Commerce degree! His other subject is an annual one.

*So you obviously have some very capable students to start with, but does everyone who does the Foundation Studies Program necessarily pass?*

No, passing is certainly not automatic, but the students who enrol here have high expectations and the academic qualifications necessary to succeed, so we work together with them to help them achieve the standards they need to qualify for University level study.

*I understand that your certification is recognised quite extensively. What proportion of your students actually enrol at the University of Wollongong?*

Yes, our graduates can go just about anywhere for their university studies, certainly just about all Australian universities and a large number of English-speaking world

universities elsewhere. However, we are now seeing about 99 per cent enrolling at Wollongong, which is very gratifying.



*Gai Warner with Foundation Studies students*

*What do you see as some of the key factors in your success?*

We believe our commitment to high standards is crucial - our students have high expectations and they assume we will challenge them, so we try not to disappoint them. We have other advantages, like the fact that the Foundation Studies centre is on campus and students here become truly part of the academic community and have access to the facilities on campus - the cafeterias, the library and so on. They can also mix with university students and staff, which gives them a real advantage in

understanding what university is all about before they start their degree courses.

*So you are really helping them get a headstart on their university program?*

Yes, they feel that although they are Foundation students, they are already part of Wollongong University!

Contact: Gai Warner (61 42) 268 888  
<g.warner@uow.edu.au>

## INTERNET TO LINK WOLLONGONG AND THE GULF

The news in August that Internet services had been introduced in the United Arab Emirates was welcomed by ITC and by University of Wollongong academic staff involved in delivering educational programs to the University's Dubai campus, the Institute for Australian Studies. The two campuses now have an e-mail link.

Neil Masters of the Faculty of Commerce, who is Director of Studies for the Dubai campus, told ITC that being able to link the Dubai and Wollongong campuses via e-mail and online conferencing was a very important development. "This will be of great help in implementing the University policy of encouraging staff and students to make the best possible use of computers and telecommunications technology," Mr Masters said.

The Dubai campus is awaiting a permanent e-mail address. In the meantime, e-mail addressed to <itc@uow.edu.au> and marked in the message "Dubai campus" will be forwarded to the Gulf.

# ENGINEERING ENTERPRISE GROWTH

Industry leaders from large and small engineering companies addressing recent ITC Round Table seminars spoke frankly about the practicalities of implementing quality management and developing strategic alliances. Over seventy people participated in each of the Round Tables, representing a broad cross section of industry, government and academia.

At the July 18 gathering, introduced by ITC Managing Director Jim Langridge, the focus was on continuous improvement and benchmarking. Paul Jeans, Group General Manager of BHP's Slab and Plate Products Division, spoke about the importance of focusing on the details in order to achieve the culture change which leads to longterm improvement.

Other speakers were Noel Oliver, Managing Director of Scobie & Glover Engineering, Sonny Wright, Manufacturing Manager for Caroma Industries, and Professor Peter Robinson, Deputy Vice-Chancellor, University of Wollongong and formerly Chief of the Division of Manufacturing Technology, CSIRO.

The August 31 Round Table, chaired by Professor Chris Cook, Head of Electrical Computer Engineering, University of Wollongong, looked at the significance of strategic alliances.

Peter Tyree, Vice Chairman, Tyree Holdings Pty Ltd, presented several case studies illustrating the importance strategic alliances had played and continue to play in Tyree Holdings' success in the global marketplace.

Other speakers were John Wroe from the Chamber of Manufactures of NSW, David Kerr, Marketing Director, Nationwide Rubber Enterprises and Andrew Connery, General Manager, Empower Australia.

The Engineering Enterprise Growth Round Tables are organised by ITC in collaboration with the Sydney University based Warren Centre for Advanced Engineering and are sponsored by the NSW Department of State and Regional Development. The Round Tables provide an informal atmosphere, where industry speakers draw on first hand experience to address key issues associated with manufacturing growth and improvement. An informal lunch follows the presentation of papers and provides an opportunity for networking. Proceedings are being published progressively.

The third and final Round Table of the series will examine how to get access to finance and government assistance.

Contact: Canio Fierravanti (61 42) 268 822 <c.fierravanti@uow.edu.au>.

## INTERNATIONAL CONSULTING

ITC's growing capability in the field of international consultancy has received a further boost with the appointment of former senior government official, Kaye Cox, as Manager International Consulting.

Ms Cox has extensive experience in education and training, especially in the management of labour market programs and the export of education services. She worked for the New South Wales TAFE Commission for over ten years, most recently as Manager of International Projects. In that role Ms Cox managed the Commission's export of educational services and managed New South Wales operations for Austraining International Pty Ltd.



Kaye Cox

A key part of Ms Cox's brief as ITC's Manager International Consulting is to spearhead the fulfilment of ITC's mandate from the University to win projects with international agencies including the Asian Development Bank, the World Bank, the United Nations Development Program and the United Nations Industrial Development Organisation. She is liaising closely in the aid-related field with the Australian Government's international Aid agency AusAID, and also with Austrade for the more general field of international projects.

Contact: Kaye Cox (61 42) 268 952 <k.cox@uow.edu.au>

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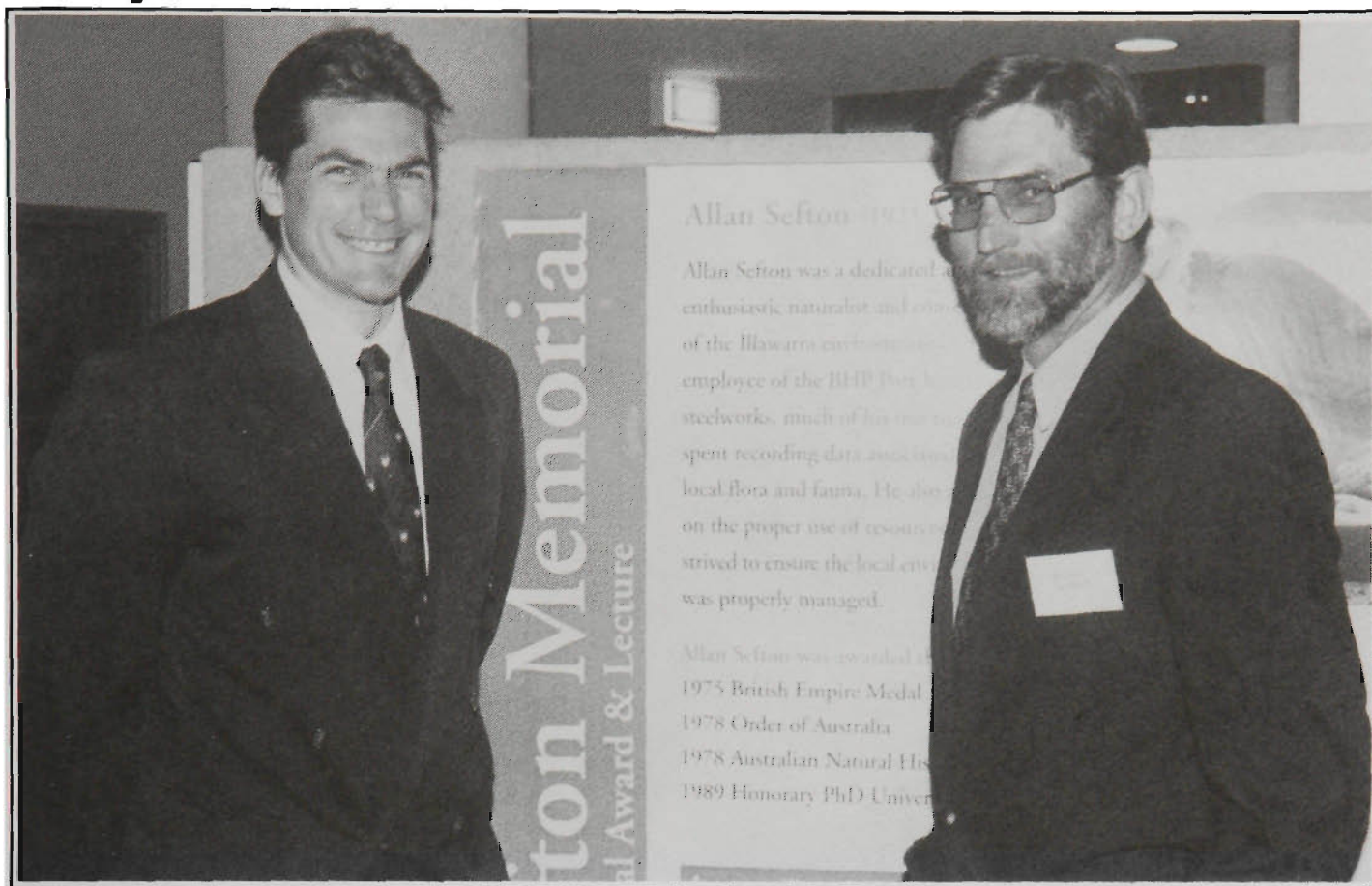


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Enterprise**



# Many winners at Allan Sefton Memorial Lecture



David Blackmore (left) was presented with his prize by Mrs Dorothy Sefton. He is pictured discussing the work of Allan Sefton with Dr Denis Saunders who gave the address.

Nearly 100 people attended the third Annual Allan Sefton Memorial lecture on 21 September.

This lecture brings together representatives from the community and the University to an event which has fast become a popular tradition at the University.

In his welcome the Vice-Chancellor, Professor Gerard Sutton, said that it was an important event because it kept a focus on one of the most urgent issues in contemporary society and it was highly appropriate because it brought together representatives from the major organisations in the region – BHP, Wollongong City Council and the University – with many community representatives.

## New scholarships and prizes for Environmental Science students

It was also a highly appropriate way to remember a man who was so dedicated to environmental issues and who was so admired by those that knew him or knew about him.

Senior Principal Research Scientist, CSIRO Division of Wildlife and Ecology, Western Australia, Dr Denis Saunders, gave a stimulating address.

His topic was 'The role of the scien-

tist and volunteer in environmental research: Can they make a difference?'

After the presentation of the 1994 Allan Sefton Memorial Prize for the best graduate in the Bachelor of Environmental program to David Blackmore, BHP Professor of Environmental Science, John Morrison, announced new scholarships and prizes for Environmental Science students.

'Professor Howard Worner, scientific adviser to the Illawarra Technology Corporation, has generously made available a prize for the best second year performance in Environmental Science,' he said.

'Through the efforts of the Office of Development and Community Affairs, we have awarded a Cooperative Education for Enterprise Development (CEED) scholarship from Liverpool City Council to two students, Rebeka Rudolf and Melinda Ierace.

'I have just received confirmation that the National Council of Women in NSW will provide a one-off scholarship for an honours student in Environmental Science in 1996 in recognition of their centenary year.'

### Last chance to join the Sydney Harbour luncheon cruise

The University Social Club has chartered the barquentine-rigged 'Svanen' for a four-hour luncheon sail on Saturday 21 October.

We sometimes see the Svanen on the slips in Wollongong harbour.

She was built in 1922 from Danish oak as a trading vessel to carry grain between Denmark and Greenland. Later the Royal Canadian Sea Cadets used her as a sail training vessel. In 1982 she participated in the Tall Ships Race and was on display at Expo '86.

Price: \$45 which includes a sit-down buffet lunch (BYO).

Bookings are coming in fast. Contact Jim McKee. J.McKee@uow.edu.au

# Minister for Education visits Science Centre



*Minister for Education John Aquilina chats to Ramanee King, Year 5 student from Central Tilba School at the Science Centre.*

## **University of Wollongong Conservatorium of Music**

presents

### **The Business & Professional Women's Club of Wollongong**

#### ***Lunchtime Concerts***

Bruce Gordon Theatre,  
Illawarra Performing Arts Centre  
12.30-1.30pm

**Friday 13 October**  
Phillida Green (piano),  
Elizabeth Green (piano)  
Works by Gershwin and Rachmaninov

**FREE ADMISSION (Unreserved seating)**

The Minister for Education, Mr John Aquilina, recently visited the Science Centre at Campus East accompanied by the Member for Keira and Parliamentary Secretary for the Illawarra, Mr Colin Markham.

Mr Aquilina and Mr Markham were joined at the Centre by the Director, Mr Glen Moore, the University Vice-Chancellor, Professor Gerard Sutton, and the Faculty of Education Dean, Associate Professor John Patterson.

The group toured the centre and spoke about the future development of the Science Centre and Planetarium.

Mr Markham said: 'There is already overwhelming support within the Illawarra corporate and general community for a permanent Science Centre and Planetarium which is presently seeking to expand its 25-seat theatre to a 70-seat theatre for public viewing.'

Mr Markham said he was delighted that Mr Aquilina had experienced first hand the excellent facility.

During the Minister's visit, school children from Central Tilba school and Tudor House in Moss Vale were present at the centre to participate in and inspect its many exhibits. This visit was appropriately at the end of Education Week 1995.





*Mr Nakagawa from Kawasaki demonstrates the finer points of calligraphy*

## Artists from sister city visit University

A group of 11 calligraphy artists from Kawasaki, Japan, visited the University recently as part of a trip to their sister city in Australia, Wollongong.

The group demonstrated the fine art of Japanese calligraphy to second year Arts students going to Kawasaki at the end of this year as part of the Bachelor of Arts in Modern Languages degree.

An exhibition of 30 works done by the calligraphers is on display in the foyer of Wollongong City Council.

## First exhibition for staff member

Staff Development Officer specialising in Distance, Flexible and Open Learning at the Centre for Staff Development, Mr Richard Caladine, recently held his first photographic exhibition in the Food for Thought restaurant, Building 67.

His exhibition, entitled 'From the Lighthouse to Puckey's' focussed on a series of photographs of the local coast, especially around the North Beach and harbour area which is close to Mr Caladine's home.

Mr Caladine has been at the university for 11 years and he assisted in setting up media production services at the University and also with the development of the Television Studio in Building 20 (Communications Centre).

He said one of his joys is taking photographs and this hobby has developed over many years.

He has always been fascinated by framing



*Richard Caladine with works from his first photographic exhibition*

ing things as it abstracts objects from reality. Mr Caladine moved to the Illawarra 12 years ago and has always admired the beauty of the region.

His habit of taking his camera on

walks to the beach eventually developed into his first exhibition.

The photographs were all for sale and Mr Caladine can also be contacted for commission work.



## General

The Campus Alumni Bookshop is open on the second and fourth weekends of each month. 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.

Until 6 October: 1995 Australian Information Technology Spring School for Year 11 HSC students. Sponsored by Nortel, the State Bank and Campus Personal Computing.

11 October: The Australian Federation of University Women (AFUW) NSW Illawarra Branch members meet at 6.30pm for a light meal at Food For Thought, first floor, McKinnon Building, and then at the Postgraduate Resource Centre, 115 Northfields Avenue, at 7.30pm. Speaker is Dell Brand, currently studying for her Doctor of Philosophy in Education. Membership of AFUW is open to all women graduates of any univer-

## What's On

sity. Further information is available from Joan Jennings (042) 671 283, Enid Alcock (042) 288 128 and Carol Rayner (042) 855 300.

13 October 12.30-1.30pm: Bruce Gordon Theatre, Illawarra Performing Arts Centre. Conservatorium of Music presents the Business and Professional Women's Club of Australia free concert works by Gershwin and Rachmaninov.

7-9 November: Business and Economic Development in Middle Eastern and Mediterranean Countries. This international conference is being run by the International Business Research Group. Venue: The University Centre, 210 Clarence St Sydney. Enquiries: Mokhtar Metwally, Dept of Economics, University of Wollongong. (042) 214 017 Fax (042) 213 725.

## Long Gallery

Exhibition program for 1995:

Until 5 November: Archaeologies: Structures of Time, Diana Wood Conroy and Sharon Marcus. Reciphering: Katharine Nix. Pathways: Paper works by Ian Arcus.

13 November – 10 December: BCA graduating exhibition

## University Staff Club

Lunches: Tuesday 10 October, Wednesday 8 November, Thursday 7 December. Come sailing with us on the barquentine 'Svanen' Saturday 21 October. Contact Jim McKee, ext. 3376.

## Stop Press

### PUBLIC PARTICIPATION WANTED FOR CONFERENCE ON SURVEILLANCE

A conference will be held at the University of Wollongong on Sunday 26 November to bring together people who would like to share their ideas, experiences and concerns about surveillance

Informal discussions will cover issues such as hidden cameras, data bases, telephone tapping, electronic mail security and identification numbers.

A conference fee of \$20 includes lunch and morning and afternoon tea.

To register, or for further information contact Brian Martin at the University on 213763.

## The NASA Shuttle

Former Chief, Mechanism Branch, Spacecraft Design Division, Johnston Space Center Houston, Texas, Mr John Kiker, will visit the University from 9 October.

He will present a workshop on Wednesday 11 October from 3-7.30pm in the Union Function Centre on The Development of the NASA Space Shuttle. Bookings: Judy Gordon, phone 214 086.

Mr Kiker will speak on 'The Development of the Shuttle – Place of reliability and maintenance' at 3pm and 'Maintenance activities at NASA - Links to the overall effort' at 5pm.

Mr Kiker joined NASA in 1960 after a career as a pilot and as a designer at Wright Patterson Air-Force Base.

Beginning with the NASA Task Group, which was set up to explore space flight, he was involved in the developments from the Mercury to Apollo to the Space Shuttle and he devised the piggyback system for the Shuttle.

His involvement with the Shuttle, as the first reusable spacecraft, is of particular relevance to those interested in maintenance because to NASA, maintenance can mean the difference between success and failure.

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**For any other enquiries contact the Editor, Gillian Curtis (042) 21 3926. Campus News has a circulation of 3000. 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.**