Summer Issue

- University spreads its wings to the South Coast – see pages 8 and 9

Cover shot: Hymn of Reconciliation - 60 books on 60 stands - see page 11
Welcome to another edition of Outlook.

This has been an exciting six months for alumni. In this time we have:

* planned for a new look Outlook for 1999
* planned for an improved Internet homepage for 1999
* had several strategy meetings that have reinforced our need to seek new ways to add value for our graduates, and provide opportunities to help our University.
* held, and planned to hold, new meetings for graduates in geographic regions from Melbourne to South East Asia.
* supported our campus chapters.
* upgraded our administrative capabilities.

We hope you can take the opportunity to take advantage of our program in 1999.

A prosperous New Year to all.

Bob Frizell
President

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During my first few months as Executive Officer, I have had the pleasure of meeting many of our students and graduates at university and alumni meetings and events in the Illawarra region, Sydney and Hong Kong. Meeting you gives me the opportunity to reinforce the role of the Alumni Association, and to encourage you to maintain a lifelong relationship with the University of Wollongong and your peers.

In 1999, the Alumni Association's Chapters on campus and internationally will be hosting a variety of events, so search our homepage regularly to get an update of these events. We will also be hosting a cocktail reception in Sydney in June, and an annual dinner on campus in Wollongong in October. Not only are these events a way of having a great time, they provide an excellent source of professional networking. You will get the best out of your Alumni Association by becoming involved.

I would like to make you aware that the Alumni Association's AGM is being held at the University of Wollongong on Saturday 13 March 1999 and a position on the Board will help shape the future growth of the Alumni Association. If you are interested in nominating for a management position, or working for a Chapter (nationally or internationally) please contact me and I will assist you.

I would also like to use this opportunity to thank the Alumni Association volunteers and Board members for their tireless effort and countless hours of involvement. A special thanks to you all for making Margaret and I feel so welcome.

I wish you and your families all the very best for 1999.

Lea Sublett
Executive Officer
University of Wollongong Alumni Association

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The University of Wollongong Alumni Association exists to:
provide you with networking, social, mentoring and professional development opportunities locally, nationally and internationally;
assist you in forming chapters and organise events and reunions;
provide you with information on the University of Wollongong's postgraduate opportunities;
keep you informed about the growth of the University of Wollongong.
The Illawarra Regional Development Board (IRDB) provides the focus for economic development and planning within the Illawarra region. The IRDB is also responsible for implementing government and regional development programs and policies.

Illawarra ~ Nature & Technology in Harmony

Web site: www.illawarra.org
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University of Wollongong
Welcome to the second edition of Outlook for 1998. I hope it will be as warmly received as the previous edition. Many people were kind enough to tell me they enjoyed the last edition, and a particular thank you to Alumnus A. Shakouri from Tehran, Iran who took the trouble to send me a note of appreciation. Much appreciated.

In this edition I hope to continue to cover the stories that a dynamic university produces, and to provide a forum for coverage of alumni issues, both domestic and international.

A great deal continues to happen at the University of Wollongong, and it is difficult to cover everything in one issue. Some of the major stories include the publication of a book by one of our academics which redefines Darwin's theory of evolution.

Another major story is the unveiling of the University's plans to expand down the South Coast, with education and communication facilities which should reverse the brain drain from this region.

New facilities have been opened on campus, and new awards have been won by students and academics.

While serious storm damage hit the Wollongong region, the University of Wollongong was still able to hold a highly successful Courses and Careers Festival.

Meanwhile the various chapters of the Alumni Association have been active here and overseas. As the Editor of this magazine I like nothing more than to receive information about what our alumni are up to, so send in your photos, captions and stories and allow Outlook to keep everyone informed with regard to alumni activities around the world.

Once again, I hope you enjoy your magazine, and I look forward to your feedback.

Stuart Waters
Editor, Outlook

It is the engineering equivalent of winning the America's Cup — it's worth $US150,000 — and an Australian engineer has won it.

Dr Geoff Brooks, a materials engineer at the University of Wollongong, is the first person outside North America to win the prestigious Iron and Steel Society award.

Engineering academics around the world compete for the Ferrous Metallurgy Grant Award each year, using the funds for an educational project.

It is keenly contested and past winners include the Colorado School of Mines, Carnegie Mellon University, Ohio State University and Michigan Technological University.

Dr Brooks will use the award to fund undergraduate scholarships and overseas travel grants for students. Wollongong students will be able to study for up to a year in leading US or Canadian universities.

The award recognises the University of Wollongong's international reputation in the steel industry. The application had the support of the Department of Materials Engineering and the Institute for Steel Processing and Products. BHP Integrated Steel will provide vacation jobs for scholarship winners.

Department of Materials Engineering Head Professor Druce Dunne said the award was "emphatic proof of the international stature of the University of Wollongong in the materials field".

Dr Brooks came to the University of Wollongong in 1993, working with internationally recognised steelmaking experts Professor Howard Worner and Professor Nick Standish, and credits both men with laying the groundwork for his success. Dr Brooks lectures in the fundamentals of steelmaking and extractive metallurgy at both undergraduate and postgraduate levels. His colleagues say his enthusiasm and drive have led to a resurgence in student interest in these fields.
Darwinism informs our view of evolution, but it has been transformed into dogma by neo-Darwinists. Indeed, to question the uncompromising position of neo-Darwinism is to invite controversy.

Associate Professor Ted Steele, from the Department of History and Politics, spoke at the book launch, describing the work as “potentially extraordinarily important”.

“It’s an uncompromising book with no concessions to popularisation or the 10 second grab. One learns the relevant science and is led through a considerable part of its conceptual and experimental history,” said Professor Schuster.

The book also marks an important step on what has been a long and controversial career.

In 1981 Associate Professor Steele left Britain in a storm of violent controversy - he was hounded out of the country by the media and the scientific establishment. The Brits considered him a ‘wild colonial boy’, beyond the pale because he dared to challenge neo-Darwinian dogma. He was made a scientific pariah. Many considered his scientific career to be finished. But in 1989 Sir John Maddox, then editor of the international journal, Nature, came to Australia and publicly apologised to Professor Steele.

A book launched in September at the University of Wollongong does precisely that. It explains to the general reader how our lifestyle and environment can alter the genes inherited by our children - at least in the immune system.

LAMARCK’S SIGNATURE represents the culmination of an exciting 20 years of research by Australian biomedical scientist, Ted Steele.

In the past 10 years Professor Steele’s work has entered the mainstream of scientific thinking and a grudging acceptance has taken place.

Lamarckian inheritance - the inheritance of acquired characteristics - has now been validated by Australian research in molecular biology and immunology. To some this represents a revolution not only in science but in our view of evolution.

But according to Associate Professor John Schuster, Professor Steele does not attempt to overthrow the work of Darwin, but to build upon it.

“Strictly speaking the book does not purport to refute Darwinism at all; rather, it bids to add a potentially hugely significant modification to it,” Professor Schuster said.

The conventional neo-Darwinian view of evolution by the ‘natural’ selection of random gene mutations is being modified by the radical idea that mutations in the genes of body cells, such as blood cells, acquired in one’s lifetime can be transmitted to our eggs or sperm and thus be inherited by our children. Such Lamarckian-inherited mutations may help to ensure a healthy immune system.

Before Professor Steele’s work we were taught that gene mutations arise only by ‘blind’ chance. But the main message of LAMARCK’S SIGNATURE is that we are not solely at the mercy of our inherited DNA - our lifestyle and environment can play a role in the nature of the genes inherited by our children.

And John Schuster suggests that acceptance is finally coming Professor Steele’s way.

“The last few years have seen the claim begin to bite. One sees this in the pattern of his invitations to speak and publish, as well as in his team’s core research publications, a shift in response with more instances of acknowledgment of the ‘fact-like’ status of his claim.”

However, the biggest claim comes toward the end of the book, as the authors conclude that “our genetic makeup in the final analysis may be a ‘social construct’. Cultural traditions and habits may be imprinted on our genes.

This, according to Professor Schuster, may be the big story.

“The issue is where this claim goes now— to other phyla, to other bodily systems and even to cultural practices of humankind? If the latter then, we have ‘the big one’ on our hands, a biological sciences wide shift, a major revolution—we don’t know yet.”

LAMARCK’S SIGNATURE is published by Allen & Unwin.
In September, The University of Wollongong opened a new facility to house the multidisciplinary Faculty of Creative Arts.

"This facility represents not just an investment in necessary infrastructure but a bold statement that underpins the philosophy of the faculty," according to the Dean of the Faculty, Professor Sharon Bell.

The Faculty of Creative Arts offers undergraduate and postgraduate degrees in Creative Writing, Music and Theatre Performance, Visual Arts and Graphic Design and New Media and also in the Graduate School of Journalism.

The new building has been designed around a central courtyard and each discipline has a major teaching space which opens on to the courtyard, and its centre piece, an Elizabethan style stage.

The internal corridors of the building are not just thoroughfares but active gallery spaces for the display of student and staff work and professional exhibitions.

As a multidisciplinary faculty the aim has been to provide an environment which encourages collaboration and artistic exchange. All facilities, even those associated with traditional arts practice, such as painting and sculpture studios and music practice rooms, are fully networked on the assumption that the computer will be the most important drafting tool, as well as a tool for production and exhibition in the years to come.

"In fact, due to the movement away from a traditional studio or conservatorium model the faculty has been able to seamlessly integrate new technologies and innovative practice into its teaching, research and exhibition and performance programs. The new building is a reflection of such innovation," Professor Bell said.

She said the gala opening for this facility was indicative of the high level of support and confidence in the faculty by the University community, and recognition of the growth of the faculty from a small Centre for the Arts in 1981 with 60 students, to its current status as a faculty with more than 400 undergraduate and postgraduate students.

The building was opened by the Vice-Chancellor, Professor Gerard Sutton, and the Hon Dr Robert Hope, former Chancellor of the University of Wollongong.

The program included 'snapshots' of creative works and performances produced by the faculty. Tours of the building were available for those interested in inspecting the new facilities.
Under its Charter, the University of Wollongong has a responsibility to its region.

While this responsibility has always been taken very seriously, it is about to enter a new phase as the University turns its attention to the South Coast.

According to David Fuller, who is overseeing the University's regional expansion, the South Coast of NSW has always been a natural part of the University community.

"We've always done well out of the South Coast. We've decided it's time to return the loyalty," said Mr Fuller.

"Poor regional infrastructure, especially transport, telecommunications, and post compulsory education facilities, have tended to restrict the development of much of the coastal fringe of southern NSW. We have identified where the University of Wollongong can assist in this regard, and we plan to take an active part in bringing about positive change."

The University's plans are multi-tiered, designed to target the lack of employment possibilities all the way down the coast, by collaborating with local councils and businesses to develop state of the art education and communication facilities.

"We want to put something back into the South Coast," Mr Fuller said. "We can help by slowing down the 'brain drain' or the migration of the young and talented which seems to occur from this region, by helping to produce new employment opportunities."

The first step in the process was the formation of the South Coast Educational Network (SCEN) which aims to deliver quality higher education services to the people of the South Coast of New South Wales right down to the Victorian border. Stage one will consist of a Shoalhaven Campus in Nowra and Educational Access Centres at Batemans Bay and Bega all of which are to be operational by the start of the academic session in 2000.

SCEN is a genuine partnership between the University of Wollongong, the New South Wales Department of Education and Training (DET) and the three Local Government Areas on the South Coast — Bega Valley, Eurobodalla and Shoalhaven. All parties are making significant contributions to the establishment of the network.

A site for the Shoalhaven Campus has been selected at Mundamia, near Flat Rock Dam, about 3km to the west of Nowra off the Yalwal road. The Nowra Local Aboriginal Land Council in the Shoalhaven generously lifted a State Land Claim over much of the site after discussions with the University and Shoalhaven City Council about the proposed plans for its use. This action opened the way for the NSW Minister for Education to then acquire this 67ha. site.

The Site Master Planning process has been completed and provides a strong, distinctive campus character as well as demonstrating the full potential of the site which will ensure that the future educational needs of the Shoalhaven community can be met for many years to come.

Building will commence in January 1999, with an estimated total project cost of $14m, and the occupation of buildings should take place from November 1999. Shoalhaven City Council will contribute about $3m to site infrastructure costs, with TAFE and the University contributing to building costs. The University has received a Commonwealth Capital Development Grant for this project.

An important part of the proposal is the emphasis placed on the sharing of facilities. The Shoalhaven Campus will use a co-location model of management with separate staff, administration and teaching facilities for TAFE and the University but with shared use of key facilities such as the Library, extended hours Access Centre and the Student Facilities areas.

"What we are building is a partnership," Mr Fuller said. "A real day-to-day partnership based on a level of integration far beyond anything that has taken place to date."

And according to Mr Fuller it is more than just facilities which will be shared.

"We are hoping for a seamless flow from school to TAFE to University, so we are further developing our articulation arrangements and curricula together, and smoothing the pathways between us."

The next stage is the extension in Batemans Bay, 150km south of Nowra. Plans have been drawn up for an Education and Information Access Centre which involves University and TAFE teaching facilities combined with a new shared use local government Community Library and extended hours Access Centre. The estimated total construction budget for this project is $1.5m. The site chosen for this development is The Hanging Rock Community Reserve — the site of the current Community Library which will be demolished to make way for the new centre.

Similar plans have also been developed for Bega, a further 150km south. A site has already been acquired by the University within close proximity to Bega High School, the local Community Library and the town centre. The facility will house shared university, TAFE and school teaching facilities combined with an extended hours Access Centre. The estimated total project budget is $0.9m.

The success of the entire South Coast Educational Network depends upon the availability of broadband, high speed communications links between the centres at very low cost. For this reason the South Coast Telecommu-
cations Network (SCTN) was established with representation from the three local governments and the SCEN educational partners to negotiate with existing telecommunications carriers and also to develop a submission to the Commonwealth Government for funding.

SCTN aims to ensure that the South Coast of NSW as a region will have appropriate telecommunications infrastructure and cost structures to take best advantage of the opportunities for the future.

This telecommunications backbone will not only serve the University, but schools and TAFE Colleges as well as Council and business. In this way, the University hopes to stimulate local jobs by helping to provide much-needed infrastructure.

The University's commitment to jobs and industry growth has already been demonstrated in the area of Defence-Aviation in the Shoalhaven. The University's capability in various fields of engineering, advanced communications, software and computer technology were used to significantly bolster local bids to win important supply contracts such as the recent $600m contract awarded to Kaman Aerospace International of the US to supply helicopters to the Royal Australian Navy. Kaman will base its service and support functions in Nowra.

Further work has been undertaken with the Shoalhaven City Council to assist in the creation of the Albatross Aviation Technology Park adjacent to HMAS Albatross at Nowra and the University has already been involved in collaborative commercial tendering with various major firms involved in this exciting initiative.

An important part of the development of the South Coast as David Fuller sees it is that the emphasis should be on a sustainable future for the region.

"The big industries for the region will likely be the retailing, leisure, tourism, hospitality type of industry. These are the things which will be economically and environmentally sustainable," Mr Fuller said.

"With these in mind we have designed a number of educational options to best prepare local students for a successful career in their region."

Included in this plan is the Bachelor of Arts program with a single broad integrating theme of issues within the humanities and social sciences, especially environmental, cultural and policy issues.

There is a strong regional focus to the degree running through subjects as diverse as Australian literature, Sociology, Science and Technology Studies, Geography, and Aboriginal Studies. Aboriginal Studies for example, will be available as elective subjects at First, Second and Third year levels. Articulation with the main Wollongong Campus will also be readily available but the degree which is being developed is, in its entirety, unique to the South Coast of NSW.

The Bachelor of Business Administration is a streamlined degree which introduces the student to the range of subjects needed for an understanding of Business. The course is designed to articulate with the Bachelor of Commerce which is offered at the main campus, so that students who wish to transfer to that course for the second and third years would be able to do so. The course will also allow articulation from relevant courses conducted by TAFE.

There will also be some first year subjects offered in Foundation Studies at some centres in the area of Informatics, Science and Engineering which will allow students to transfer to the main campus if they wish to continue their studies in these areas.

All of the elements in the University's plans to expand southward, including the facilities, the curricula, and the communication infrastructure elements, were developed in partnership with other groups.

The involvement with TAFE, the Department of School Education, councils, and private industry has ensured that the type of input the University has in the South Coast is exactly what is needed.

"We want to make a positive contribution to our region," Mr Fuller said.

"With this development we are shaping the facilities, developing infrastructure, and easing the problems of unemployment in an area which is important to us."

The South Coast has always been an asset to the University of Wollongong. The expansion plans of the University will ensure that it becomes even more so as the next millennium approaches.
The NSW Minister for Transport, Mr Carl Scully, launched a Transport Information Kiosk in Wollongong in August—a kiosk with massive potential for tourism including Sydney's 2000 Olympics.

Hailed as a "world first" by its creators at the University of Wollongong and others involved in the project, transport users will be able to find out via a user-friendly touch screen the most appropriate combination of bus and train services.

Its uniqueness comes from being able to select free easy-to-read concise printout of the necessary timetable allowing them to know when the next several buses or trains will arrive, adjacent stops, where to change for any connecting service and final arrival time.

The stand-alone kiosk has been specifically designed for as wide a cross section of the community as possible by testing with focus groups of the various interest groups. The kiosk has been installed in the main business/shopping area of Crown Gateway Wollongong on a three-month trial to gauge community acceptance. The kiosk features video prompts and background voice instructions in the six most common languages in the Illawarra.

The transport information kiosk can be accessed by people with disabilities, the aged and those from non-English speaking backgrounds.

Planning Services Manager, Mr David Macpherson, said the kiosk had obvious potential beyond the Illawarra region especially in areas where there are a multitude of transport providers, in tourist hot spot areas, train stations, major bus interchanges, department stores, doctors' surgeries and hotel/motels.

"There is nothing like our system anywhere else in the world," he said.

The University plans to licence the kiosk technology to a provider to market.

The University received all up funding of $70,000 towards development of the kiosk initiative from the NSW Department of Transport and the Ageing and Disability Department.

STOP PRESS
The kiosk's four-month trial was a tremendous success with 23,000 users taking advantage of the machine.
The Education Chapter wishes to acknowledge the recent passing of Bill McGrath. As the first principal of The Wollongong Teachers College in 1962 he administered the initial building program and led staff and students through the transition into a College of Advanced Education in 1971. This eventually became an Institute of Education in 1973 and finally the faculty of Education. Although Bill retired before the merger with the University he is seen by alumni from that period as a founding father of Teacher Education at Wollongong. The Chapter extends its sympathy to his wife and family.

**Hymn of Reconciliation**

Faculty of Creative Arts lecturer Liz Jeneid travelled to Poland in May this year to attend the opening of the 9th International Triennale of Tapestry in Lodz, Poland. She was one of three textile artists selected to represent Australia to show work in the exhibition. Liz made a piece consisting of 60 books on small head-height metal stands called Hymn of Reconciliation. Texts from newspaper clippings and political speeches were embedded into the handmade paper as well as the word Reconciliation which was repeated on the left page of each book, like a drone note accompanying the text which was sometimes hidden or stitched over. She wanted the books on the stands to appear like a choir - a chorus of voices, a chorus singing a Hymn of Reconciliation.

**Research student’s career takes off**

The University of Wollongong has inspired the transformation of the Steel City to the Smart City, with the help of young researchers at the Telecommunications and Information Technology Research Institute (TITR).

PhD student Chris Ware typifies the University’s talent for creating strategic links to emerging industries.

Chris, 23, may be off to Paris to help one of the world’s major players in satellite technology - Skybridge - lift its game. He is part of a TITR team, led by director Professor Gary Anido, contracted to research state-of-the-art Low Earth Orbit Satellite (LEOS) technology for Skybridge.

TITR symbolises the University’s penchant for setting the technological agenda. The institute marries cutting-edge research with an ability to second-guess the industry.

Chris Ware is among the growing ranks of ‘bright young things’ attracted to Wollongong on the strength of its telecommunications and IT expertise.

TITR aims to make satellite communication faster and more efficient. If successful, savings for Skybridge and its partners would be significant. For the rest of us, it may signal the end of telecommunications as we know it.

LEOS could facilitate the shift of most telephone traffic to the internet. Some of the world’s major telecommunications providers have already foreshadowed this, promising cheap, fast internet connections anywhere in the world via satellite.

They would use LEOS systems: about 100 small satellites in very low orbit. Imagine them as cellular telephone base-station towers flying about 1,000 kms above ground.

This would provide connections one thousand times faster than a standard modem, delivering telephone, video and data anywhere in the world. A truly global communications and information network.
1 Ruth Proctor, immediate past President of the Alumni Board, welcomes guests to the Honorary Chapter dinner.

2 L-R: Lewis and Noel Schmidt with John Bell at the Honorary Chapter’s black tie dinner in July.

3 Lenore Armour (left) and Elaine Langshaw at the Honorary Chapter Dinner

4 L-R: Vic and Jenny Watts, Lea Sublett, Bob Frizell and Margaret and Derek Whittle at the Engineering Chapter’s Leonardo Da Vinci Dinner, Wollongong Regional Gallery.

5 International students celebrating at the Illawarra Committee for International Students Farewell Dinner held in October. Over 200 international students attended.
MTR Corporation staff celebrate the award of their University of Wollongong degrees. They are joined by senior executives from MTR Corporation, and staff from the University of Wollongong.

Graduation time in Hong Kong

There were lots of smiles on October 16 as nine Master of Engineering Practice and 12 Graduate Diploma in Engineering students graduated from the University's Maintenance Management program in Hong Kong. The ceremony was held at the headquarters of the Mass Transit Railway Corporation, which employs and either supported or fully sponsored the students. The program has been delivered in Hong Kong since 1995 with the third and fourth intakes now studying for the two-year Graduate Diploma. The second intake of the Master of Engineering Practice is also underway. The courses are delivered in Hong Kong by University staff through a modular format.

The ceremony was a great time of celebration for students, their family and friends, their managers and senior managers, and staff from the University. The ceremony was presided over by Professor Rob Castle. Other members of the official party being Professor Brendon Parker, Lea Sublett and Richard Dwight from the University and William Chan, Phil Gaffney, Andrew McCusker, and T P Lo from MTR Corporation.

Dubai Graduation

The University of Wollongong Dubai Campus held its graduation ceremony on September 19.

The Vice-Chancellor, Professor Gerard Sutton, attended the ceremony, paying tribute to the teaching staff in Dubai for their efforts.

Also in attendance were Major General Dahi Khalfan, Head of the Dubai Police Department, and the Deputy Director of the Dubai Department of Economic Development, Mohammed Al Gergawi.

Students graduated in the following disciplines: Master of Quality Management, Graduate Certificate in Total Quality Management, Master of Business Administration, Graduate Diploma in Commerce (Management), Graduate Certificate in Management, Bachelor of Business Administration and Bachelor of Commerce.

Outlook

The sound of traditional clapping sticks greeted the first Koorie to receive a Doctorate in Creative Arts, Pamela Johnston Dahl Helm. Dr Dahl Helm was accompanied by her adopted mother, author Dr Ruby Langford Ginibi, who was the first of her people to receive an Honorary Doctorate of Letters from La Trobe University.
It's a long way from Wollongong Teachers College to the great Opera Houses of Milan and New York, but for Roger Howell it has been a trip worth making.

When Roger studied Education at Wollongong he expected to be a school teacher all his life, but thanks to the encouragement he received from his own teachers, Roger started to take singing lessons.

"Throughout Primary School every teacher was interested in fostering music, and when I studied to be a teacher myself I was encouraged by the lecturers at Wollongong to have voice training," said Roger.

After graduating from Wollongong, Roger taught at various schools in Sydney while taking singing lessons at the Opera School of the Conservatorium of NSW. The first real indication of another career came when he won the Pan Pacific regional final of the Metropolitan Opera Auditions which took him to New York to sing in the finals.

"I was 28 years old," said Roger, "overawed by the standard but also I was overwhelmed by the encouragement I received and the generosity of spirit of my American colleagues. I returned to Australia full of enthusiasm, and to teaching. By this time I was married with a small family and we needed to eat!"

Roger's first professional gig was with the South Australian Opera Company in 1978 in the title role of Mozart's The Marriage of Figaro. After 10 years as Principal Baritone with the South Australian Opera Company he moved to Melbourne where he became Guest Principal Baritone with the Victorian State Opera Company.

There have been so many highlights to Roger's career including study in New York, Germany and Milan.

"All this gives you a commitment to quality of performance. I try to improve every time I go on stage. I have sung baroque music through to twentieth century opera and have a great interest in English song."

Roger recalls those early years studying Education at Wollongong as good grounding, and while he no longer performs in the classroom he still finds time to teach singing.

"I believe I have a good reputation as a performer and a teacher. I impress upon students that there is no such thing as a small role, only small performers. It worries me when I observe the vocal music that we ask children to perform today. Unsuitable choices can damage young voices."

Roger still meets with Education Chapter members when he has a role that brings him to Sydney. He was looking forward to singing again in the Marriage of Figaro with Opera Australia during the celebration of the Sydney Opera House's 25th birthday.
UNIVERSITY OF WOLLONGONG ALUMNI ASSOCIATION
APPLICATION FORM FOR GRANTS

General Conditions

• Grants will be awarded for educational or self-development purposes, or for worthy causes linked to the University community.

• Application may be made by individual Financial Members of the University of Wollongong Alumni Association, by potential alumni of the University (i.e. currently enrolled students) or by organisations which have a link with the University. Please note that applicants are expected to be Financial Members of the Association.

• Applications will be considered on merit by the Association's Board of Management (or its subcommittee). The worthiness of the cause and its relevance to the University and to the Association will be taken into account.

• Application must be made on this form and applicants are asked to provide evidence of expenditure and the names of referees or other sponsors.

• Where appropriate, grant recipients will be asked to supply an article describing their experience for Outlook magazine.

• The closing date for receipt of applications is 30 July.

Please read the conditions above, then complete the form and return it with any supporting documentation to the Alumni Office, University of Wollongong, Wollongong, NSW 2522, before 30 July, 1999.

(PLEASE PRINT CLEARLY)

Surname: ................................................................. First Name: .................................................................

Title (Mr/Ms etc): .................. Date of Birth: .................. Gender: M or F?

Address: ..............................................................................................................................

............................................................................................................................................... Postcode: .................................................................

Telephone: ................................................................. Fax: .................................................................

I am applying for a grant for myself: □ Yes. (If not, please see over)
If yes, please indicate your status (eg alumni member / student):

............................................................................................................................................... OR

(Please note that all applicants are expected to be Financial Members of the Alumni Association.)

Details of your degree (whether completed yet or not): .................................................................

.............................................................................................................................................. OR

Date (or anticipated date) of graduation: ......................................................................................
I am applying for a grant on behalf of an organisation:  □ Yes. If yes, please give details:

Please outline below why you wish to be considered for a grant, giving full details of the project and/or organisation (use extra paper as necessary):

Please supply the names and contact details of your referees and/or sponsors:

NB: Please also attach (if possible) evidence of expenditure or proposed expenditure.

Is there any other information you wish to supply in support of your application?

Signed: ..................................................  Date: ..................................................
Star of the East meets best of the West

Lying away from home didn't distract MBA student Anisha Sabharwal from getting her education while at UOW. Here she tells how her time in Wollongong also gave her so much more.

The University of Wollongong is a picturesque campus situated in the heart of one of the most beautiful regions of Australia. A campus almost six times the size of my alma mater in Bombay, with slightly different surroundings.

I still remember the blueness of the ocean, the closeness of the mountains, and the thick bush which are all integral to the city of Wollongong.

Aside from its beauty, I was fortunate that the University promotes a liberal and flexible environment that endorses a keen sense of learning within its students. This gave me an opportunity to get not only a degree, but a well-rounded education. I also remember my first culture shock, when I realised we could address our lecturers by their first names, somewhat different to the formal Madam/Sir I was used to back home.

The University of Wollongong gave me my first exposure to a multi-cultural environment and it was indeed a pleasure to work with a diverse mix of students and teachers. I was fortunate to experience this at a personal level as my friends at uni came from all corners of the world.

I have had a wonderful time in Australia, a beautiful nation that combines the rare virtues of multi-racial coexistence with gender equality, a nation where Violet Crumble and Vegemite coexist with chopsticks, curries and pasta.

Anisha received the University Medal and the prestigious Institute of Management Consultants of Australia Medal for 1997-98.
We invite graduates to drop into the Alumni Office at any time to purchase memorabilia and to discuss future events including reunions and chapter activities.

The Alumni Office is located on Level 1 in the Illawarra Technology Centre, Building 39, University of Wollongong.

Contact details

To ensure you receive your Outlook magazines and invitations to events, we encourage you to advise us of your current contact details.

Chapter news

University of Wollongong graduates in Thailand are invited to attend university and alumni events at Central Plaza, Bangkok, on Sunday 24 January 1999.

From 1-6pm, a University of Wollongong exhibition will be held to promote courses to future students. At 7pm, an alumni dinner is being held and is to be hosted by graduate Dusada Nunta, Kerry Lyon, Manager International Programs and Lea Sublett, Executive Officer Alumni Association.

Advertising

If you would like to advertise in this magazine, please contact the Alumni office.
Phone: (02) 4221 3169
or Fax: (02) 4221 4809
(Advertising rates can be provided.)

Commerce Chapter

The Commerce Alumni will be holding its 1999 AGM on the same evening as the association’s AGM (13 March 1999, Novotel Northbeach, Wollongong). Please contact Belinda Schuster, External Relations Officer, from the Faculty of Commerce if you are interested in acting in a managerial position on this committee. Belinda’s number is (02) 4221 4478.

Engineering Chapter

The Engineering Alumni held two successful dinners this year, which provided engineering graduates with the opportunity to network and listen to entertaining speakers such as Jeff Watson from “Getaway.” The 1999 Annual Engineering Chapter Dinner on Saturday 13 November promises to be another exciting event!

Honorary Chapter

The Honorary Chapter held a dinner in July attended by the university community and numerous alumni. The Chapter committee will keep in touch with its members throughout 1999 to advise on new members, 1999 events and future projects.

Education Chapter Goals

To extend involvement with Education Faculty members and future Alumni, promoting ongoing connections with the University.

To update the list of eligible and current members.

To provide activities that will encourage participation of eligible and current members.

Alumni Calendar 1999

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>January 24</td>
<td>UOW Exhibition and Alumni Dinner, Bangkok</td>
</tr>
<tr>
<td>February 22</td>
<td>Education orientation day (room and date to be confirmed)</td>
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<tr>
<td>March 13</td>
<td>Annual General Meeting University of Wollongong</td>
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<tr>
<td>March 30</td>
<td>Edu. Database and questionnaire analysis workshop meeting rm 67.329</td>
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<tr>
<td>April 27</td>
<td>Edu. Committee meeting rm 67.329</td>
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<tr>
<td>May</td>
<td>Graduation (dates to be confirmed)</td>
</tr>
<tr>
<td>May 18</td>
<td>Review session for Edu. Chapter prize</td>
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<tr>
<td>May 25</td>
<td>Edu. Prize selection panel meeting</td>
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<tr>
<td>June 18</td>
<td>Cocktail Reception, Sydney</td>
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<td>June 29</td>
<td>Edu. Chapter Prize presentation UniCentre function room</td>
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<td>July 27</td>
<td>Edu. Committee meeting rm 67.329</td>
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<tr>
<td>July 28</td>
<td>B.Ed. workshop (room and date to be confirmed)</td>
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<tr>
<td>July 31</td>
<td>Edu. Colloquium (room and date to be confirmed)</td>
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<td>University Open Day Edu. Forum (topic to be advised) UniCentre function room</td>
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<td>Annual Alumni Dinner Graduation (dates to be confirmed)</td>
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<td>October 2</td>
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<td>October 26</td>
<td>Engineering Chapter Annual Dinner</td>
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<tr>
<td>November 13</td>
<td>Christmas event UniCentre function room</td>
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<td>November 30</td>
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</table>
Chapter prize awarded

The Education Chapter Prize this year was awarded to BEd Honours student Mary Brown to assist in her studies. Mary is looking at the underachievement of boys as writers. Education Chapter members and their guests joined with the faculty at the 1998 prize-giving held in the UniCentre function room in June.

The event, compered by Hazel Holmwood, included an outline of Mary’s proposed research as well as a report from Ruth Lindsell, the 1997 winner. Dean of Education, Professor John Patterson, congratulated both past and present recipients on their efforts.

Alumni Executive Officer, Lea Sublett, introduced the new alumni promotional video and encouraged wider membership of the Chapter through the distribution of Alumi Association brochures.

The Chapter prize of $500 is given annually to BEd students.

Students weather the storm

In August, Wollongong was devastated by the worst storm damage on record. As the rain poured down whole suburbs were inundated, causing great loss to many people. University students living at Campus East were no exception.

Among them was Lejla Vrazalic, who writes about her experiences of the storm and aftermath...

This sincere note contains some heartfelt experiences of an ordinary student.

In the three years that I have lived in Wollongong I have always been truly amazed by the sense of synergy that radiates in our close community. I would like to share with you an experience that is still very much on my mind.

Recently, unexpected torrential rains flooded our city for days. In the aftermath people were left homeless, some even losing everything they had. It was a devastating and sad loss which was felt not only at the University, but also in the Halls of Residence.

However, despite the flooded rooms, the debris and the dirt and mud everywhere, our spirits weren’t dampened. In less than three days, together, we managed to clean and scrub every corner and every crack. Working in harmony, as a team, we accomplished the impossible.

While I was mopping away for hours, watching students from 40 different countries who were working along side me like it was their own home they were trying to salvage, I wondered what it was that drove us.

Eventually I realised it is a very deep sense of belonging. We are not just students of the University of Wollongong. We are the University of Wollongong!

I came here in 1995 to earn a degree that would entitle me to a successful career. I have worked hard to this end and “suffered” the usual trials and tribulations of a student’s life. But I have never felt alone. There have always been people to support and guide me. They understood me, laughed with me and gave me a lifetime of memories to cherish.

When I graduate this December I hope to leave the University not just with a Diploma, but with a trace of those universal qualities that I found in my friends, my lecturers and my tutors. Qualities that will make me a more mature, compassionate, generous and wise human being.

Having lived and studied in an environment that selflessly imparts knowledge, nourishes learning, breeds cultural variety and tolerance and possesses a spirit and natural beauty like few others, I feel well equipped to face the future.

And not only that -

I will feel like a complete person.

Lejla Vrazalic

THE ANNUAL GENERAL MEETING

OF THE UNIVERSITY OF WOLLONGONG ALUMNI ASSOCIATION INC

will be held on
Saturday 13 March 1999 6:30 - 7:30
at the University of Wollongong

PLEASE COME ALONG AND HAVE A SAY
Light refreshments will be provided

(note: Only Alumni who are financial members are eligible to vote at the AGM)
Advance Your Career
Postgraduate Commerce Studies

Today's competitive business world requires effective and qualified professionals.

Make sure you're ready to meet the demands of the global business community with a postgraduate commerce degree from UOW.

The Faculty of Commerce offers you:
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- Industry relevant training
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- Local and international networking opportunities

HECS Postgraduate Degrees
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Master of Commerce & Graduate Diploma in
• Accountancy
• Business Information Systems
• Economics
• Finance
• Industrial Relations
• Marketing
• Management (Human Resource & Operations Management)

Graduate Certificate in
• Applied Economics
• Business Information Systems
• Industrial Relations
• Marketing

Full Fee Programs on offer in 1999

Masters in
• Banking
• MBA
• Logistics and Operations Management
• International Business
• Quality Management

Graduate Diploma in
• Business Administration

Graduate Certificate in
• Banking & Finance
• Business Administration
• Quality Management

Some Postgraduate programs are offered in Sydney (full and part time)

For further information contact: 1800 680 320 or uniaidvice@uow.edu.au

A new lease of life for the Bookshop

A university town such as Wollongong can never have too many second hand book stores, and the Campus Chapter of the Alumni has for eight years ensured that second hand books are available on campus.

Set up in 1990 in response to unending donations of material, the bookshop has gone from strength to strength.

Initially, a small space in what was then a storage building at Campus East was set aside for the shop, but this was soon outgrown, and a second room was cleared out for us.

The generous band of volunteers has grown at a similar rate and, with continuing donations of good stock, the shop is now able to open on the second and fourth weekend of each month, as well as maintain a large presence at Open Day.

The bookshop suffered what could have been a fatal blow, when the August storm struck the premises. Many books were destroyed, fittings and carpet were ruined, and mud covered everything.

However, the volunteers rallied to the cause and over the next six weeks thousands of volumes were moved, stored, sorted, and replaced in time for an October 10 re-opening. With new carpet and a paved entrance the bookshop now looks better than ever.

Proceeds from sales all go towards University projects, and in particular, an annual $300 book prize to an honours student in each Faculty. In addition, the bookshop and volunteers act as an important bridge to the wider community.

The spirit of cooperation is alive and well at the bookshop, and we invite all alumni to visit, and spend a pleasant half hour searching the shelves for that long-sought volume.

Marjorie Macdonald
Convener reports
Creative Arts Doctoral student Coral Hull has won the 1998 Victorian Premier’s Award for poetry, the C. J. Dennis Award, for her book, Broken Land: 5 Days in Bre. The award was presented in Melbourne on October 16.

The book *Broken Land* records in moving and very powerful poetry, the observations she made during a trip to Brewarrina in 1995. There are portraits of some of the people of the town, including her own father; there are powerful evocations of the landscape through which they move; and there are accounts of her visits to the local kangaroo boning works and to the goat slaughterhouse at Bourke.

Coral is at present in Canada, where she is volunteering at The Northern Studies Research Centre in Churchill, which, Coral tells me, is “the polar bear capital of the world”.

*Broken Land* is published by Five Islands Press. Coral joins a number of poets published by Five Islands Press who have won major awards in recent years, including the Banjo Paterson, the NSW Premier’s Award, the Anne Elder Award and the Martin Bequest Travelling Scholarship.

Ron Pretty

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**GRADUATION PLAQUES**

Members of the University’s alumni may purchase a personalised testamur plaque, in gold metal and mounted on a polished rosewood base, or framed in matching gold or silver. This superb plaque provides a unique representation of your achievement. By special arrangement with the supplier, the plaque has been made available to alumni at an extremely low price. The cost per plaque, either framed or mounted on timber, is $61.00 to Financial Members of the Alumni Association, and $66.00 to other alumni. These costs include postage and handling, but please add $25.00 to overseas orders.

To place your order, just complete the form below and return it with your payment or credit card details, and a clear photocopy of your testamur, to the Alumni Office at the University. Please allow 28 days for delivery in Australia. (Overseas orders may possibly take longer)

---

**Order Form**

Name: ____________________________
Name at graduation (if different): ____________________________
Postal address: ____________________________
Postcode: ____________________________
Country (if outside Australia): ____________________________
Web site: ____________________________

I wish to order

- Gold plaque on polished rosewood timber
- Framed gold plaque
- Framed silver plaque

I am/am not a Financial Member of the Alumni Association.

Signature: ____________________________
Date: ____________________________

My cheque (or postal money order), payable to the Hawiara Technology Corporation, for $ is enclosed, together with a photocopy of my degree testamur.

To my Bankcard / MasterCard / Visa (delete as applicable)

Card no: ____________________________
Expiry date: ____________________________

Please complete and return with your payment and photocopy of your degree to Alumni Office, University of Wollongong, NSW 2522. Orders by credit card may be faxed on (02) 4221 5233.

Enquiries may be made by telephone to the Alumni Office on (02) 4221 3169.
UNIVERSITY OF WOLLONGONG
ALUMNI ASSOCIATION INC.
Invites you to stay in touch

Who are the alumni?
The alumni are comprised of three main groups:

• Graduates and diplomates of the University of Wollongong and its antecedent institutions (ie Wollongong University College, Wollongong Teachers' College and Wollongong Institute of Education)

• Former staff of the University and its antecedent institutions

• University of Wollongong Study Abroad and Exchange Students

Current students and staff of the University are also welcome to join the Alumni Association as Associate Members.

What is the Alumni Association?
The Alumni Association offers excellent professional and other networking opportunities, as well as a way to stay in touch with old friends. It also enables you to remain involved with your University.

The Alumni Office organises reunions and assists in the formation of alumni chapter groups. The alumni magazine, the 'Outlook', is mailed twice a year to all alumni free of charge.

University memorabilia may be purchased from the Alumni Office (see overleaf).

Remember, as the University's reputation grows both in Australia and overseas, the value of your own qualification also increases.

How can I join and why should I want to?
As a graduate or former staff member of the University you are automatically a member of the Association and, provided you tell us whenever you change your address, you should receive the 'Outlook' twice a year.

An optional membership category - Financial Membership - entitles you to voting rights within the Association and enables you to participate in the chapter groups. As a Financial Member you will also be eligible to benefit from a range of special rates which have been negotiated on your behalf. These include:

• Competitive pricing on computer equipment purchased through the IT Shop on campus
• Internet access at low rates (available in all capital cities and most metropolitan areas in Australia, but you must visit the IT Shop on campus to register initially)
• Special accommodation rates
• Discounts at the Retail Centre and Bookshop on campus
• Reduced rates on graduation plaques
• Reduced rates at alumni functions
• Cheap Library access

What does it cost to become a Financial Member?
Subscription rates are $25 per annum or $95 for a five-year period. You may choose to join the umbrella Alumni Association or to be a member of one of the chapters which are mostly faculty or regional based (see form on this page). Just complete the form and return it, with your payment or credit card details, to the Alumni Office at the University:

Alumni Office, University of Wollongong
NSW 2522 Australia
Tel: (02) 4221 3169 or 4221 3249;
Fax: (02) 4221 3233
International: 61 + the number
Email: alumni@uow.edu.au

APPLICATION FOR FINANCIAL MEMBERSHIP OF THE UNIVERSITY OF WOLLONGONG ALUMNI ASSOCIATION INC.

Surname: ________________________________
Title (Mr, Ms, Dr, etc): _______________________
Given name(s): ____________________________
Gender: M or F: ____________________________
Full name at graduation (if different from above): ____________________________
Current mailing address: ____________________________
Postcode: ____________________________
Country (if outside Australia): ____________________________
Telephone: ( ) ____________________________
Email: ____________________________
Date of birth: ____________________________
Degree(s) awarded: ____________________________
Date course(s) completed: ____________________________
Graduation date(s): ____________________________
Current occupation: ____________________________
Job title: ____________________________
Employer's name and address: ____________________________
Postcode: ____________________________
Telephone: ( ) ____________________________
Fax: ( ) ____________________________

CHAPTER GROUPS
Please indicate below which chapter you wish to join.
These are currently Commerce, Engineering, Education, Campus Chapter, Shoalhaven and Science, or if you would be interested in others as they form:

My cheque (or postal money order) payable to the Alumni Association Inc is enclosed:

☐ $25.00 annual membership OR
☐ $95.00 for five years' membership OR
☐ Alternatively, please charge this amount to my:
☐ Bankcard ☐ MasterCard ☐ Visa (delete as applicable)

Name on card: ____________________________
Card No: _ _ _ _ / _ _ _ _ / _ _ _ _ / _ _ _ _
Expiry date: _ _ / _ _
Signature: ____________________________
Date: ____________________________

NB: Former staff wishing to join the Association as Financial Members may use this form and are asked to supply additional information as follows: dates of employment, departments/units in which employed and job title(s).

ALUMNI RESPONSE FORM
Tell us where you are and what you've been doing since leaving the University - and please send a good photo too.

Just complete your name and address, as well as your degree and other details on the form on this page, and outline your news below (please use extra paper as necessary)

I am happy for you to publish these details in a future issue of the 'Outlook' magazine.

Signed: ____________________________
Date: ____________________________
UNIVERSITY OF WOLLONGONG
MEMORABILIA ORDER FORM

The following items may be ordered by completing the form below and returning it with your cheque or postal money order to:

Alumni Office, University of Wollongong
NSW 2522 AUSTRALIA
Tel: (02) 4221 3249 or 4221 3169; Fax: (02) 4221 4809

Note: There are two prices associated with each item. Mail order prices are shown on the right, but you can also buy and collect items direct from the Alumni Office which is located on the ground floor of the Administration Building, behind the International Office. For any items over $15.00 to be sent overseas, please add $5.00 for postage.

Name: ____________________________  Address: ____________________________  Postcode: ________
Country (if outside Australia): ________  Telephone: Home (________)  Work (________)

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* Delete as appropriate
° Handcrafted in Australian timber and gift boxed
* Full name of Degree/Diploma (for correct academic dress):

My cheque (or postal money order) for $_________ payable to the Illawarra Technology Corporation is enclosed,
OR please charge this amount to my: Bankcard / MasterCard / Visa
(Delete as applicable)

Card Number: ____________________________________________________________

Name on card ____________________________________________________________

Expiry date: /  Signed: ______________________ Date: ______________________
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