SUMMER 1997

- New Chancellor takes up the reins
- The changing face of the University campus -- photo spread
- New Science Centre promises to double its patronage
From the President...

Ruth Procter, Alumni Association President

Heraclitus (c. 535 - c. 475 BC), Greek Philosopher once said: “Everything flows and nothing stays”.

We’ve certainly had some flowing and going at the Alumni Office since the last edition of Outlook.

Major organisational changes have occurred throughout the University. These have resulted in the Alumni Office being moved to the External Relations Division in UniAdvice, which is the University’s marketing arm, located within the Illawarra Technology Corporation, the University’s private company.

Very sadly, Juliet Richardson, our highly esteemed Executive Officer, has decided not to continue with the Association and has decided on a lifestyle change.

Juliet was selected to establish the Alumni Association in 1990 and, before that, she was the Executive Officer for the Friends of the University. Her careful and caring management style, together with her excellent organisation and editorial skills were highly valued by everyone in the Association. We especially enjoyed her charming, warm and positive approach which we will miss enormously.

Viv McIlroy, our Alumni Officer, has decided to relocate within the University. Her professional achievements, after only a few months, have been invaluable and we have enjoyed her friendship and enthusiasm.

Our deepest thanks to these outstanding colleagues.

Now for the flow!

I was very pleased to attend the Australian University Alumni Council Conference in Hobart in October. The theme was Alumni Relations into the Next Millennium. The conference was stimulating and enjoyable so what more can you ask? Especially when you combine it with a delightful Tasmanian holiday.

We are looking to you, the alumni, to promote your University to ensure that it maintains the very high profile it enjoys here and overseas.

The Annual General Meeting will be held on Saturday 14 March 1998, at 6pm when the election of officers will be held. Anyone for President? The guest speaker will be Ms Angela Chan (immediate past Chairperson of the Ethnic Communities Council of NSW), who graduated from the University in 1979. Be there!

Careful consideration is under way in the formation of a new Alumni Secretariat. We’ll keep you informed.

My best wishes to all,

Ruth Procter
President, University of Wollongong Alumni Association

From the Director of External Relations...

Eric Meadows, Director, External Relations

Restructuring of some sections of the University’s Administration has had an effect on the organisation of the Alumni Office.

The establishment of an External Relations Division in 1996, to strengthen the University’s relations with the national and international communities, brought together units handling domestic and international marketing, the media and protocol officer, corporate strategy together with the Alumni Office.

It is now well known that the University has faced an unprecedented challenge in the Federal Government’s cuts to higher education budgets. All areas of the University have been asked to take budget cuts - and the Alumni Office has not escaped these cuts.

There was a need to ensure there was no duplication in service delivery. The Illawarra Technology Corporation (ITC), through the Wollongong International College and the Business Development Unit, had been undertaking tasks on behalf of the University which were closely related to work of External Relations.

Hence, the two have now been joined and staff of the External Relations Division will join ITC in a new entity called Wollongong UniAdvice.

The University has seen many merits in the Alumni Office being part of this new body. For example, the University is particularly keen in developing closer relations with its international alumni.

As far as the Alumni Association is concerned nothing has changed. The Alumni Office will still be responsible for the duties it has performed in the past.

The Vice-Chancellor, Professor Gerard Sutton, addressed the Board and Chapter Executives on 20 October about the significant changes to the organisation of the Alumni Office. Regrettfully, we are losing our two Alumni Office staff, Juliet Richardson and Viv McIlroy. Juliet, the Alumni Executive Officer and Editor of Outlook, is to be congratulated for her years of dedicated work, especially in setting up the Association. In the short time Viv has been with us, she too has impressed everybody with her overall commitment to our alumni.

Eric Meadows
Director, External Relations
Contents

New book aids Australia-Indonesia business links 4

Comprehensive guide to Australian piano music 4

Welcome to our new Chancellor 5

Researchers develop an electronic nose 6-7

Postgraduate courses on offer through Sydney Centre 8

Photo spread of building development on campus 9

Opening of new Informatics Building 10

$2 million grant for new Science Centre 11

Information Technology Services courses 11

Alumni Association news 12-13

Alumni Profiles 14

FRONT COVER:

Researchers at the University of Wollongong have developed an electronic nose which may revolutionise the production of olive oil in Australia and abroad. Dr Rita Stella tests the ‘nose’ as Dr Joseph Barisci looks on. See article on pages 6-7. Photo: Mark Newsham

University of Wollongong
Graduates' contributions on new book about Indonesia

A timely book by Mr. Rob Goodfellow titled Indonesian Business Culture will facilitate business links between Indonesia and Australia by promoting a better understanding of Indonesian culture, religion and economy.

Containing contributions from various prominent Indonesian and Australian academics and economic leaders, many of whom are University of Wollongong graduates, the book covers topics such as cultural etiquette, the Islamic faith and business practice, economic development in Indonesia and perspectives on dealing with corruption.

Some of the chapter contributors who are alumni of the University are Dr. Muhammad Akhyar Adnan, who is now Head of the International Program at the Islamic University of Indonesia. He is regarded as Indonesia's leading specialist on Islamic banking; Dr. Dwi Marianto, who is now Head of the most important art 'think tank' in Indonesia — the Research and Development Department of the Indonesian Art Institute ISI Yogyakarta; and Dr. Tjiptohadib Sawarjwono, who is a Senior Lecturer at Airlangga University, Surabaya, Indonesia, and is regarded as one of Indonesia's most important media economic commentators.

Mr. Goodfellow said despite all the ill-founded political rhetoric about Australia's place in the region and about the lack of economic integration with neighbouring nations like Indonesia, Australians were forging links with the Indonesian business and academic communities.

This book would constitute an excellent training text for large international companies who frequently move entire production crews and their families to Indonesia to work in such fields as mining, construction or technology infrastructure development.

It is also essential reading for anyone undertaking or contemplating doing business in Indonesia or South-East Asia as well as being an appropriate text for college or university.

Robert Goodfellow held a tutoring appointment at the University of Wollongong and is an author, journalist, research student and a cultural consultant.

Creative Arts student catalogues Australian music

A University of Wollongong postgraduate student has produced a comprehensive guide to Australian piano music, described as "an invaluable guide" for performers, teachers, and students.

Entitled "Australian Post-1970 Solo Piano Works", the guide has been produced as a result of research by Faculty of Creative Arts student, Jeanell Carrigan, in an attempt to "excite the interest in the reader to look at the score".

In a review by Dr. Rita Crews from the Music Teachers Association of NSW, the work is described as "one of the most valuable teaching and reference resources ever to be released in this country".

"Solo Piano Works" lists familiar and not-so-familiar composers of all ages and from all over Australia", Dr. Crews said. "It also represents all types, styles and ranges of difficulty in a commendably logical format."

Jeanell has included the title and duration of works in question, together with a numerical grading she developed to assess the difficulty of the pieces.

Her guide also provides more technical information such as stylistic and pianistic characteristics, and an approximate AMEB grading for teachers.

Dr. Crews said it was not often that a volume of this magnitude and sophistication appears as a resource tool on the Australian music market.

"I would urge performers, students, and teachers alike to avail themselves of the opportunity of exploring the enormous range of post-1970s music through familiarity with this guide."

By Stuart Waters
New Chancellor praises direction and harmony of the University

Mike Codd readily admits that his overall knowledge of the University of Wollongong was thin on the ground when he was approached in the latter half of 1997 to become the new Chancellor.

But he told Outlook that he learnt two things very quickly.

Firstly, that the success the University had built up was due to the fact it had concentrated on developing excellence in particular areas.

"The University has not tried to be everything to everybody and it's obviously a strategy that has worked well," Mr Codd said.

Secondly, he referred to the strength of the University's relationship with its surrounding region.

He said there was a harmony existing here which he had not seen paralleled anywhere else.

The Chancellor has been captivated by the sheer beauty of the University.

"The whole campus has a garden atmosphere," he said.

Mr Codd said he was especially keen to see alumni support strengthen for the University.

"This is vital for a relatively young university like Wollongong," he said.

"At the same time, I fully support the current valuable work of all the alumni networks. If the University of Wollongong is to continue to prosper, these networks must continue to grow in Australia and overseas," Mr Codd said.

In regard to the day-to-day running of the University, the Chancellor said he did not wish to interfere with the management's practices.

"I am not an executive of the University — I'm more like a Chairman of the Board. I am here to help guide the Vice-Chancellor and other members of staff in the strategic development of the University," he said.

"My job is to ensure Council (the University's governing body) operates effectively and provide advice where it is sought."

Mr Codd, who assumed the role of Chancellor on 1 October, just in time to officiate at the October graduation ceremonies, told Outlook he was keen to attend all future graduations.

"I think it's very important for me to try to relate with our student body as much as possible," he said.

The Chancellor certainly brings a wealth of experience to the University.

He has worked for 30 years for the Australian Government serving in the roles of secretary to the Department of Industrial Relations, chairman of the Industries Assistance Commission and secretary to the Department of Community Services.

In 1986 he became secretary to the Department of the Prime Minister and Cabinet and secretary to Cabinet and held that post until he retired in 1992.

He is a director of several companies including Qantas, Telstra, MLC Limited, The Australian Nuclear Science and Technology Organisation (deputy chair) and the Menzies Foundation (deputy chair).

He is a senior adviser to the Asia-Australia Institute and a member of the Board of Advisers of the Constitutional Centenary Foundation.

Since 1992 Mr Codd has provided consulting services to public and private sector organisations and has conducted several advisory reviews for Australian governments.

Despite this hectic schedule, the Chancellor has found time to take advantage of what he described as the "University's excellent sporting facilities" with a couple of visits to the gymnasium.

An official function to welcome the new Chancellor to the University of Wollongong was held on the campus on 27 November.

Mr Codd was appointed a Companion of the Order of Australia in 1991.

Inaugural Chancellor to be Patron of Alumni Association

The former Chancellor of the University of Wollongong, Dr Robert Hope, will become the Patron of the University's Alumni Association.

The University of Wollongong Alumni Association has been growing rapidly since it was established in 1992.

It has several active chapters, on the campus and in the wider community, and has established chapters in other states and overseas.

The Association's Board of Management and staff in the Alumni Office have been working to help develop these chapters and provide support to them once they are up and running.

At the last meeting of the University of Wollongong Alumni Association Board, it was agreed that it would be beneficial for the Association to appoint a Patron who would be able to give long-term support to the organisation.

It was unanimously agreed to ask the previous and inaugural Chancellor of the University, Dr Hope, to become Patron of the Association.

Dr Hope was Chancellor of the University of Wollongong for 22 years, from the time the University became an autonomous institution.

The Alumni Association said it was honoured that Dr Hope has accepted.

The Alumni Association said it was honoured that Dr Hope has accepted.
Researchers develop a nose for success

The Australian olive oil industry has an opportunity to start from scratch, using the electronic nose to become a high-tech industry, providing a quality product to the national and international market. The 'nose' is designed to mimic the human sense of smell, using sensors designed by the IPRI, connected to a powerful computer. STUART WATERS and SYLVIA PORSS report on this international research project.

Researchers at the University of Wollongong have developed an electronic nose which may revolutionise the production of olive oil in Australia and abroad.

Scientists at the Intelligent Polymer Research Institute (IPRI) at the University, in collaboration with a group from the University of Pisa in Italy and Industrial Research Ltd in New Zealand, have produced the device which mimics the human sense of smell to assess the quality of oils, and test for contaminants.

The Director of the IPRI, Professor Gordon Wallace, said that while olive oil has traditionally been important in the Mediterranean diet, it is now becoming much more common in Australia.

He sees the development of the 'nose' as an opportunity for the fledgling Australian olive oil industry to become a world leader in the efficiency and quality control of oil production.

"The Australian industry, on the other hand, has an opportunity to start from scratch, using the electronic nose to become a high-tech industry, providing a quality product to the national and international market," Professor Wallace said.

He said the nose was an important breakthrough, as it potentially bypasses the traditional methods of quality testing which are still enforced by law in Europe.

"This involves sending a sample of every commercial oil produced in the European Union to various panels of trained experts who taste and smell the oils in order to assess their quality and purity. But despite the skill and knowledge of the experts, it is at best a subjective analysis, as well as being expensive and slow," Professor Wallace said.

"It's designed to detect a mixture of components in a product."

The electronic nose is designed to take the role of these panels, sniffing the oils to identify them and give them a quality rating. Although there are many sensory devices in existence, the Electronic Nose operates in a much different way, Professor Wallace said. "The key generic difference between the 'nose' and other electronic sensory devices is a multitude of polymer sensors instead of just one," he said.

"It's designed to detect a mixture of components in a product."

Research Leader of Sensors and Processing at IPRI, Dr Joseph Barisci, said that the 'nose' works on a similar principle to our own olfactory system.

"The conducting polymers used in the 'nose' are similar to metals in that they have many free electrons allowing for variability in their conductivity," he said.

"Different types of polymers are made by incorporating substances called 'dopants' which alter their chemical structure. This governs how each sensor conducts electrical impulses from molecular characteristics of individual components in a substance. The end result is an overall impression from a variety of sensory input."

The information from each polymer sensor is then fed into the microprocessor which acts like our own brain in creating a final analysis and result.

Dr Rita Stella, from the University of Pisa, has been working at Wollongong for the past six months on the development of the nose. She said the human sense of smell was made very sensitive, not because of a huge array of separate sensors in our nose, but because of the powerful ability of our brain to handle data, to learn and recognise patterns.

"The organs we use to smell with are sensitive to a wide range of compounds, and each aroma produces a different pattern of signals from our olfactory nerves. Our brains have learned to distinguish these patterns.
and identify a huge number of very specific fragrances.

“The electronic nose is designed to do the same thing, using sensors designed by the IPRI, connected to a powerful computer. The trick is teaching the computer to recognise the data as different oils,” Dr Stella said.

Dr Stella said this was achieved using fuzzy logic, a powerful software tool used in artificial intelligence.

Before the nose can be used, it must first be taught to recognise differences in oils. This involves many repeated trials in which the air above a sample of oil is sent past an array of sensors. This changes the electronic signal they produce in a particular way. The signal is recorded by the computer and becomes a small part of a data set. Using fuzzy logic the computer will eventually learn to distinguish oils based on the information in its data set, and can then be used to produce a quick and accurate analysis of the product.

The group is planning to construct a benchtop machine for use in analytical laboratories, and a handheld device connected to a laptop computer for use on the farm or factory. This will greatly increase the ability of the producer or overseeing body to assure the consistent quality of olive oil.

The olive oil industry was a natural choice for the application of this new technology because of the use of human panels in testing, but there is an enormous demand for electronic noses in many fields.

“It could be used to test cheese or milk, it could tell us about the maturity of wine, it could even be used in the cosmetic industry,” Professor Wallace said.

“There are many possibilities in the future.” For example, the sensory system could be incorporated within structural materials to detect what components are affected by environmental factors like corrosion. Once the problems have been established it may be possible to adapt the material limiting the impact of the environmental conditions.

But before the nose can be used in different roles, it has to be taught a new range of signals. Once this is done for a specific application, it will provide quick and accurate analysis.

Professor Wallace said it may take some time to develop these other uses.

“Over the next five or 10 years we may work towards integrating all these areas. But with any new technology you can expect to spend 10 to 20 years bringing it all together.”

Whatever uses the nose finds itself applied to, there is every chance that the future quality of Australia’s burgeoning olive oil industry will owe itself to the researchers of the University of Wollongong, and their international collaborators.
Postgraduate courses now on offer through Sydney Centre

The University of Wollongong is now offering existing and new courses in the heart of Sydney which offers an attractive alternative for graduates seeking to upgrade their qualifications.

In liaison with its private college, Wollongong International College, the University is leasing and operating a major centre offering innovative postgraduate, diploma and bridging courses.

It is known as the University of Wollongong Sydney Centre and is located at 55 Regent Street, Chippendale.

The Vice-Chancellor, Professor Gerard Sutton, said the new centre, easily accessible near Central Railway Station, brings the best qualities of the University of Wollongong right into the city.

He said the centre offers full-time and part-time courses designed to fit students' needs and busy lifestyles. Some of the courses, for example, can be undertaken on a modular basis so that students can study what they want and at the time that suits them.

The University of Wollongong has acquired the building from the Sydney Interlink College and has had it refurbished to include extensive classrooms, computer laboratories and language laboratories.

On offer at the Centre are full-fee paying postgraduate courses offered by the University's Business School, and Faculties of Education, Engineering and Informatics. There are also English language courses and from early 1998 the University Entrance Diploma will be available which will allow students from Year 11 and Year 12 to undertake studies which could lead to direct entry into undergraduate studies at the University.

The postgraduate courses on offer are:

- **Business School** — Graduate Certificate in Electronic Commerce; Graduate Certificate in Marketing; Graduate Diploma in Marketing; Master of International Business; Master of Quality Management; Master of Logistics and Operations Management; Master of Health Management.

- **Education** — Graduate Certificate in Computer Based Learning (HECS payable course);

- **Engineering** — Graduate Certificate in Engineering (Maintenance Management); Graduate Diploma in Engineering (Maintenance Management); Master of Engineering Practice (Maintenance Management); Honours Master of Engineering (Maintenance Management).

- **Informatics** — Graduate Certificate in Information & Communication Technology; Graduate Certificate in Information Technology (Information Security); and Master of Information & Communication Technology (HECS payable course).

Wollongong International College is a division of the University's wholly owned Illawarra Technology Corporation.

For further information about the Sydney Centre course offerings contact the toll free number on 1800 680 320 or phone (02) 4221 3218.

Everything you always wanted to know about computers...

Information Technology Services (ITS) has been offering computer training to all staff and students of the University since 1993.

During that time it has tripled its course offerings to cater for the ever-growing demands of computer users on campus. Last year, alumni members were included in those eligible to enrol for computer training.

ITS Training Co-ordinator, Ms Susan Gardner, said ITS was committed to providing relevant, hands-on computer training in air-conditioned training labs and most run for three hours.

There are a maximum of eight participants in each course and each person has the sole use of a computer throughout the course.

ITS has the facilities to conduct training on Macintosh or IBM compatible computers and has recently introduced training using Windows 95. Morning and afternoon courses are available and the cost of each three-hour course is $50. Course notes are provided at every course.

The courses (listed below) run every month. The calendar is set on a month-to-month basis to allow greater flexibility when setting dates and times of courses. The calendar, which includes full details of all courses, is posted each month to CampusNetNews (uow.its.news). If anyone doesn't have access to the Internet, phone ITS and we will send you a copy of the calendar each month.

To find out more about our computer training or ITS in general, visit the web page (www.uow.edu.au/its/services/training) or phone ITS on (02) 42 21 3775 or send us an email (its@uow.edu.au).

Current courses:
- Using the Internet, email and newsgroups
- Introduction to the Macintosh
- Introduction to Windows 95
- Introduction to Windows 3.1 with DOS
- Introduction to Claris Works
- Introduction to Word 6
- Word Bridging 5.1–6
- Intermediate Word 6
- Introduction to PowerPoint
- Introduction to Excel 5
- Intermediate Excel 5
- Introduction to FileMaker Pro3
- Writing Web Pages with Claris Home Page 2.0

8 Summer Outlook
Building development program in full swing across the campus. . .

A glimpse of some of the major building activity under way on campus (clockwise from top left): Additions for Creative Arts, the Library Link between the UniCentre and the Library, the new Informatics Building, and the latest addition for the Faculty of Science. Photos: Paul Redding.
The Chancellor, Mr Michael Codd, has officially opened the new building for the Faculty of Informatics at the University, which provides a modern home for one of the most dynamic faculties on campus.

Conforming to the University's broad design theme the new building incorporates a central fern garden and undercover parking. But it is inside where the most important features are to be found.

The Dean of the Faculty, Professor Ah Chung Tsoi, said the new building, opened on 10 October, would provide modern office space for staff of the School of Information Technology and Computer Science, as well as spacious and well-equipped research laboratories.

It is an important advance for the Faculty which had previously been suffering shortages of space after recent rapid expansion. It now occupies all, or part of, at least four different buildings across the Wollongong campus.

The opening of the Informatics Building marks the latest chapter in a remarkable success story, beginning with the formation of the Faculty six years ago, which brought together several Departments with a common interest. In July of this year, the Faculty was restructured so that it now comprises the School of Electrical, Computer and Telecommunications Engineering, the School of Information Technology and Computer Science, and the School of Mathematics and Applied Statistics.

Professor Tsoi said it was the combination, unique in Australia, of these three areas of research which makes the Faculty of Informatics such a dynamic and internationally significant part of the University.

He believes the three Schools together give the Faculty the "engine capacity to drive ahead", producing a great range of important work.

According to Professor Tsoi, the Faculty owes much to the previous Vice-Chancellor, Professor Ken McKinnon, for having the foresight to put the University in a position of strength from which to develop expertise in Informatics.

"It is an area of incredible growth and increasing economic and social significance, and the University of Wollongong employed a very strategic approach in establishing a beach head," Professor Tsoi said.

Since those early years, the Faculty has developed an international reputation in various areas. These include computer security, the development of smart-card technology, and the design of telecommunication networks for which the Faculty enjoys recognition worldwide. It is also a strong performer in the area of speech coding, or getting voice signals from point A to point B as efficiently as possible.

Professor Tsoi, who grew up in Hong Kong and studied in Britain and New Zealand, is a relative newcomer to Wollongong, having arrived only last year, but as Dean of Informatics he already feels it is a dynamic and exciting place to be working.

"Information technology is the industry of the 21st century, and with its new building, the Faculty of Informatics is in a strong position to lead the way," Professor Tsoi said.

* By Stuart Waters
Premier foresees large format theatre on new Science Centre

The NSW Premier, Mr Bob Carr, believes the University of Wollongong's new Science Centre, which begins construction early in 1998, would also be an ideal site for the future development of a large format theatre complex.

Mr Carr made the comment during the presentation of a $2 million cheque from the State Government towards construction of stage one of the new facility.

The Vice-Chancellor, Professor Gerard Sutton, received the cheque from the Premier at a ceremony at the existing Science Centre site at Cowper Street on Campus East at Fairy Meadow on 3 November.

The centre, now housed in a refurbished migrant hostel, delivers hands-on experience in science and technology for schools and the public.

Visitors to the Science Centre at the University of Wollongong are expected to soar from 35,000 to 80,000 a year following the $2 million grant.

"This development will be of benefit to the whole state and, indeed, Australia. It's vital for the development of this country that we get more people to think about science," Professor Sutton said.

The $2 million NSW government grant is in addition to a Commonwealth Regional Tourism Development Grant of $200,000 and a University Quality grant of $150,000.

The Premier was taken on a tour of the Science Centre by Professor Sutton; the Member for Keira and Parliamentary Secretary for Illawarra, Mr Colin Markham and the Centre's Director, Mr Glen Moore.

Mr Carr said the Science Centre served the region in its roles as an educational resource and tourist attraction.

The new facility will be built on land adjacent to the Campus East site and Brandon Park soccer ground.

Stage one, designed by architects Graham, Bell and Bowman, will include the construction of an 85-seat planetarium, a public observatory, a 90-seat demonstration theatre, administration area and exhibition space.

The development will go to tender early in 1998 and is expected to be completed by January 1999.

Mr Moore said the second stage would enable Wollongong to host major travelling exhibitions and would also incorporate an exhibition dedicated to the scientific interests and achievements of Lawrence Hargrave.

Accreditation given for pilot Practical Legal Training Program

The University of Wollongong is now offering Australia's first flexible delivery Practical Legal Training (PLT) program for law graduates. It combines a mixture of off campus and on campus activities.

Law graduates who have been unable to attend existing practical legal training courses may now qualify for admission to practise in NSW through the University's PLT course.

The course, conducted by the PLT Unit in the University's Faculty of Law, has been accredited by the Legal Practitioners Admission Board, following a successful pilot course in 1997.

It was devised to meet the requirements of Wollongong law graduates, but also a wider group of students with family, employment and financial responsibilities, and who would encounter considerable personal and financial hardship to undertake alternative practical legal training courses. The course will be offered twice a year, in February and July from 1998.

Enquiries about the course should be directed to Associate Professor Ainslie Lamb, Director, Practical Legal Training Unit, Faculty of Law, University of Wollongong, Northfields Avenue, Wollongong 2522. Email - ainslie_lamb@uow.edu.au Phone (02) 4221 4652.

Accreditation given for pilot Practical Legal Training Program

The University of Wollongong is now offering Australia's first flexible delivery Practical Legal Training (PLT) program for law graduates. It combines a mixture of off campus and on campus activities.

Law graduates who have been unable to attend existing practical legal training courses may now qualify for admission to practise in NSW through the University's PLT course.

The course, conducted by the PLT Unit in the University's Faculty of Law, has been accredited by the Legal Practitioners Admission Board, following a successful pilot course in 1997.

It was devised to meet the requirements of Wollongong law graduates, but also a wider group of students with family, employment and financial responsibilities, and who would encounter considerable personal and financial hardship to undertake alternative practical legal training courses. The course will be offered twice a year, in February and July from 1998.

Enquiries about the course should be directed to Associate Professor Ainslie Lamb, Director, Practical Legal Training Unit, Faculty of Law, University of Wollongong, Northfields Avenue, Wollongong 2522. Email - ainslie_lamb@uow.edu.au Phone (02) 4221 4652.
CHAPTER ACTIVITIES

Campus Chapter

As the Campus Chapter is looking back at 1997, it can once again call it a successful one, despite the "unsettled weather" conditions around the University.

Juliet Richardson became a new member of the Campus Chapter. She is most welcome.

Trevor Brew (President) and Wolfgang Brodesser (Secretary/Treasurer) have stayed on in these capacities. John Bell organised guided tours of the campus during Orientation Week and put on a thank you barbecue for maintenance staff at Campus East who keep the bookshop there habitable.

Marjory Macdonald and Wilma Furlonger continued to captain the bookshop which remains as the flag-ship of the Chapter’s undertakings, relying on donations of books and magazines and the volunteer labour of its members to raise funds in a scholarship account, and to finance student prizes. The bookshop regularly opens on the second and fourth weekends of the month from February to November.

It is located opposite the Science Centre, off Cowper Street in Fairy Meadow.

Almost half of the funds raised from the bookshop this year was spent on prizegiving. A $300 voucher with the UniCentre Bookshop was awarded to an outstanding honours or final-year student from each of the nine Faculties.

Brian Cox from the Faculty of Arts and Michelle Rakowski from the Faculty of Education join the seven other outstanding students listed in the autumn/winter issue of Outlook.

It gave us members pleasure to meet with these prizewinners who are a credit to the University.

Commerce Chapter

On Open Day the Commerce Chapter presented the Dean of the Faculty of Commerce with an Alumni Honourboard. Next time you are in the area come in and have a look. The board lists the names of the previous winners of the Faculty Alumni of the Year Award as well as the names of the Chapter Presidents since 1993.

Commerce Chapter

On Open Day the Commerce Chapter presented the Dean of the Faculty of Commerce with an Alumni Honourboard. Next time you are in the area come in and have a look. The board lists the names of the previous winners of the Faculty Alumni of the Year Award as well as the names of the Chapter Presidents since 1993.

Brian Cox from the Faculty of Arts and Michelle Rakowski from the Faculty of Education join the seven other outstanding students listed in the autumn/winter issue of Outlook.

It gave us members pleasure to meet with these prizewinners who are a credit to the University.

Education Chapter

The Education Alumni Committee, with support from the Alumni Office, has set up an Alumni Prize for Bachelor of Education (Honours) students at the University of Wollongong.

The inaugural winner was Ruth Lindsell who gave a commendable acceptance speech on the impact this prize has on her ongoing academic pursuits and research.

If you are interested in having your name, or that of another outstanding alumnus or alumna, appear on the Honourboard in the future, then you should nominate for the 1997 award by contacting Belinda Schuster on (02) 42 21 4478 before February 1998.

At its next meeting, the Chapter will be looking at plans for 1998 and how Commerce Alumni can become more involved. If you have any ideas for functions, or would like to help in organising something please let the Chapter know.

Education Chapter

The Education Alumni Committee, with support from the Alumni Office, has set up an Alumni Prize for Bachelor of Education (Honours) students at the University of Wollongong.

The inaugural winner was Ruth Lindsell who gave a commendable acceptance speech on the impact this prize has on her ongoing academic pursuits and research.

If you are interested in having your name, or that of another outstanding alumnus or alumna, appear on the Honourboard in the future, then you should nominate for the 1997 award by contacting Belinda Schuster on (02) 42 21 4478 before February 1998.

At its next meeting, the Chapter will be looking at plans for 1998 and how Commerce Alumni can become more involved. If you have any ideas for functions, or would like to help in organising something please let the Chapter know.

Engineering Chapter

Members of the Engineering Chapter have been involved in two career development seminars for engineering students, which was organised by Young Engineers Illawarra (which is part of IEAust), and co-hosted by the Faculty of Engineering. These sessions were chaired by Graham Hodder, from Adecco Value Engineering.

One seminar focused on résumé writing and the other one on interview techniques. Members of the Chapter were available to answer questions from students, giving them an opportunity to obtain first-hand information about the engineering industry.

On 18 October the Chapter hosted a very successful dinner/dance at the Novo-
Vic Watts (Vice-President of the Engineering Chapter) welcoming Tim Bowden.

tel Northbeach, Wollongong. Over 90 people attended this dinner and were entertained by Tim Bowden, well-known media personality. Tim recounted tales from his trip to Antarctica and his time with Back Chat.

The Chapter was very pleased to have sponsorship for this dinner from Adecco Value Engineering, Douglas Partners Pty Ltd, Forbes Rigby Pty Ltd, Goldcr Associates Pty Ltd, Thermal Ceramics and Wollongong City Council.

Honorary Chapter

The Honorary Chapter recently held its Annual General Meeting and it was pleasing to see those who had been conferred as Fellows of the University at the last graduation ceremony. The Chapter has continued to grow and there are now more than 90 members.

The following were elected Officers of the Honorary Chapter:

- Convener, Walter Jervis
- Deputy Convenors, Brian Gillett and Winifred Ward
- Secretary/Treasurer, Geoffrey Brinson, Committee member, John Bell

Shoalhaven Chapter

The Chapter has been meeting regularly and has been focusing on fund-raising activities. The most recent being a day's outing on the Cockatoo Run was enjoyed immensely by those who took part. It is thoroughly recommended to other alumni, particularly if you take a chilled bottle or two of your favourite beverage.

The trip to Thredbo has been postponed until either January or April next year when it is hoped that alumni members avail themselves of the opportunity to spend some time in the mountains.

Alumni attended an End of Year Ball organised by the University of Wollongong's Graham Park Campus, on Friday 28 November, at the Bomaderry Bowling Club.

The Chapter wound up its final meeting for the year on 13 November with a dinner at the Trevi Fountain. A pleasing number of people attended and had an enjoyable evening.

The members of the Shoalhaven Chapter wishes all alumni all the best for the festive season and look forward to an enjoyable and successful 1998.
Jose Luque 
BCom(Econ) 1991

After almost seven years in the workforce, Jose Luque has returned to the University of Wollongong but this time he isn’t a student. Jose was recently appointed Manager of the University of Wollongong Branch of the National Australia Bank.

Having finished his commerce degree in 1990 Jose went to Sydney as a graduate trainee with ANZ business banking, where he worked for three years. During this time he undertook further studies, attaining the status of Senior Associate with the Australian Institute of Bankers.

Jose’s final position with the ANZ was as lending manager at the Maroubra branch, after which he left for a position with the NAB at Miranda, in Sydney’s south.

Until recently, Jose had been manager of the Dapto branch, but in June this year he found himself back on campus, where he can lend a hand to the current crop of university students.

Jose married Paula Marsay, also a BCom (Woll) of 1990 vintage. Paula is manager of the Unanderra branch of the NAB.

Nathalie Dufresnes
MBA 1995

Nathalie Dufresnes completed her MBA in 1994, having arrived in Wollongong from Europe in 1993 on a Rotary scholarship. After graduating in early 1995, it was “with some regret” that she left the sun and beaches of Wollongong to return to a position as an export manager for an eyewear manufacturer near Geneva, Switzerland.

Nathalie led an active life during her stay here, being part of the University volleyball team which came fourth at the Brisbane University Games in 1994.

Nathalie will soon be able to catch up with her Wollongong friends, as she will be spending a month in Australia on her honeymoon in mid 1998.

As export manager for Cébé eyewear, Nathalie has been in charge of the Austrian market, Eastern Europe, and Israel. However, a long-term wish came true recently, when she was also placed in charge of the Australian and New Zealand markets, and she hopes to have cause to travel here regularly, to talk to distributors and contacts.

Robert Barr
PhD 1997

Robert Barr has studied at numerous institutions including the University of New South Wales, the University of Sydney, and the former Mitchell College and Sydney TAFE, but has spent the past few years completing his PhD at Wollongong.

Since leaving school, Robert has been involved in the electricity generation and distribution industry, starting as a cadet engineer with Prospect Electricity in 1973. In 1990, he formed his own consulting company to “provide professional energy and electrical engineering consulting services throughout Australia”.

From his home in Culburn near the South Coast, Robert provides his services to electricity supply authorities, high voltage electrical customers, water and sewage authorities, and other large energy users.

With a PhD from the University of Wollongong, Robert has been able to expand his services, working with clients from the Shoalhaven to Christmas Island.

Education Alumni presents its inaugural prize

Faculty of Education student, Ruth Lindsell (pictured far left), has been awarded the inaugural Education Alumni Prize.

In her acceptance address, Ruth thanked the education alumni for honouring her with the award, and thanked Associate Professor John Patterson for supporting her nomination.

“I am especially delighted to receive such an award, because to be accepted from among my equally deserving peers is an exceptional honour, as they too are hard working and dedicated students,” Ruth said.

“In addition to extending my thanks to those lecturers and other university staff members who have assisted me throughout my studies here at the University of Wollongong, I would like to thank my husband, who through his belief in me and unwavering support and encouragement I have developed professionally and personally far greater than I ever expected.”

During her speech, Ruth expressed a desire to continue her studies, saying that the award had been a part of this decision.

“My academic accomplishments thus far have further inspired me to continue my research studies, as through the attainment of higher qualifications, I believe that I may fulfil my desire to contribute positively to the education of future generations.”

* By Stuart Waters
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 organizes reunions and assists in the formation of alumni chapter groups. The alumni magazine, the ‘Oudook’, 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 ‘Oudook’ twice a year free of charge.

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:

- 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)
- Access to computer training courses on campus at low rates
- Competitive pricing on computer equipment purchased through the IT Shop on campus
- Competitive travel rates through Muirhead (STA) Travel on campus
- Special accommodation rates
- Discount at the Retail Centre and Bookshop on campus
- Reduced rates on graduation plaques
- Reduced rates at some alumni functions

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 2+ 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): ____________________________
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: ____________________________
Current occupation: ____________________________
Job title: ____________________________
Employer’s name and address: _______________________________________________________
Postcode: ____________________________
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 University of Wollongong Alumni Association Inc is enclosed:
☐ $25.00 annual membership (valid to 31 December 1997) OR
☐ $95.00 for five years’ membership (valid to 31 December 2001)
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.

Suggested please use extra paper as necessary

I am happy for you to publish these details in a future issue of the ‘Oudook’ magazine.

Signed: ____________________________
Date: ____________

(please use extra paper as necessary)
**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 3233

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 ( )

<table>
<thead>
<tr>
<th>Item</th>
<th>Direct Price $</th>
<th>Mail Price $</th>
<th>Quantity requested</th>
<th>Cost $</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grad Bear #</td>
<td>48.00</td>
<td>56.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grad Bear (Junior) *</td>
<td>33.00</td>
<td>41.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polyester Tie (Multi Crest only *)</td>
<td>18.00</td>
<td>20.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silk Tie (Multi / Single Crest *)</td>
<td>40.00</td>
<td>42.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scarf (Blue / Red Border *)</td>
<td>15.00</td>
<td>17.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Uni Boxer Shorts (S / M / L / XL *)</td>
<td>35.00</td>
<td>37.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wall Plaque (130x95 mm* or 180x148mm*)</td>
<td>48.00</td>
<td>53.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Desk Plaque*</td>
<td>55.00</td>
<td>59.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coaster (single - with colour medallion) *</td>
<td>30.00</td>
<td>34.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coaster (single - with bronze medallion)*</td>
<td>28.00</td>
<td>32.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paperweight (with bronze medallion) *</td>
<td>30.00</td>
<td>34.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paperweight (with colour medallion) *</td>
<td>33.00</td>
<td>37.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business card holder*</td>
<td>28.00</td>
<td>32.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Post-it note pad holder*</td>
<td>28.00</td>
<td>32.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Timber ballpoint pen*</td>
<td>50.00</td>
<td>54.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Timber ballpoint pen &amp; pencil*</td>
<td>85.00</td>
<td>89.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Car Badge</td>
<td>22.00</td>
<td>26.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Key Ring (brown or blue leather / brass*)</td>
<td>6.00</td>
<td>7.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lapel Pin</td>
<td>3.00</td>
<td>4.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Embroidered Cloth Badge</td>
<td>4.00</td>
<td>4.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Car Bumper Sticker</td>
<td>2.00</td>
<td>2.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University Crest Sticker</td>
<td>1.50</td>
<td>2.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* 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 ‘University of Wollongong’ is enclosed.
OR please charge this amount to my: Bankcard / MasterCard / Visa
(Delete as applicable)

Card Number: [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Name on card

Expiry date: / Signed: Date: ______________________ / ______________________ / ______________________