Wollongong Outlook
The University Alumni Magazine

Out now – an illustrated history of YOUR UNIVERSITY

Spring/Summer 1991
This issue of the Outlook is the first to be sent to a very important group of alumni who have not previously received it. The group consists of former staff members (where an address is held) and their inclusion on the mailing list follows considerable work on the database. An attempt has been made to avoid duplication where a person is or has been both a student and a member of staff.

So I welcome these new readers and, together with the graduates who already receive it, ask for your feedback on the magazine and your response if you have received more than two copies! Your help in telling us if you change your address, and in updating addresses for any of your peers or colleagues, is appreciated.

As we close for press the October graduation days are almost upon us. On October 11 the Governor-General, His Excellency the Hon. Bill Hayden AC, has been invited to deliver the Occasional Address at the Arts and Engineering ceremony before performing another important task: the official opening of Building 40 which houses the new University Theatre as well as the Faculties of Commerce and Law.

On the same day a gala performance in the new theatre will celebrate this official opening – see page 21 for details.

The face of the campus is continually changing as several other new buildings are completed. These are the Science Building, the multi-storey car park and the extension to the Union, Stage III of the Illawarra Technology Centre and more residential accommodation (115 places) at Campus East. A new pond, featuring a rockpool and waterfall, is another attractive addition to the campus.

This extensive construction work is all being carried out using expertise from local Illawarra companies, from the architects to the contractors and builders.

A further major capital works project has recently received a guarantee of $13m from the federal government and tenders are now being called. This will be known as the Keira View Building and will stand on the western end of the campus, where the Greenery and demountables are currently located. The Faculties of Education and Law will be housed there, as well as some common teaching areas and recreational facilities. The building will incorporate a moot court for the Law Faculty.

If you haven’t visited the campus recently you will be surprised at the developments taking place. Come and have a look for yourself...

Meanwhile, the Alumni Office has been organising various reunions. The first reception for alumni in Hong Kong was held on August 29 and this attracted nearly half of the graduates who could be contacted. A report appears on page 15.

In early October the Vice-Chancellor will host a meeting of Victorian alumni in Melbourne. One of our graduates, Michael Halls, who is Registrar of the Victorian University of Technology, Footscray Campus, has supported this initiative; the function is being held at his institution.

In mid-November a cocktail reception to be held in the University Union is planned for alumni from the Faculty of Engineering. It is hoped that a further reception for alumni from the Faculty of Commerce will be held towards the end of November (see box this page).

Invitations will be sent to alumni from these faculties for whom current addresses are held. I would appreciate your help in passing on the word to friends whose address we may not have.

Finally, a reunion for former residents of International House will be held from 17-19 January 1992. This promises to be a great weekend (see page 23).

Many readers will therefore have an opportunity to return to the campus during coming weeks. We look forward to seeing you and hope you will become actively involved in one of the alumni groups.

Juliet Richardson
Tel. (042) 21 3249; Fax (042) 21 3128
Aboriginal graduate achievements

Carol Speechley: 'For the first time in my life I feel genuinely proud of myself.'

$250,000 Cosh bequest

Herbarium, library and funding will stimulate botanical studies in the Department of Biology

Graduate Profile

Queenslander Irene Amos, OAM, Australia's first woman Doctor of Creative Arts, reflects on her career and experience at the University of Wollongong

Barry Conyngham: a profile

Hong Kong dinner for alumni

University of Wollongong: an illustrated History

Dr Mary Kalantzis and cultural diversity

The expanding recreation centre

PNG graduation ceremony

Remember to complete the alumni response form on page 13
ABORIGINAL GRADUATE ACHIEVEMENTS

For the first time in my life I feel genuinely proud of myself. These were the first words by Carol Speechley after she received her Bachelor of Arts degree from the University in May 1991. As someone who left school early, Carol never imagined that she would one day study at university, let alone graduate with a degree.

Carol's break came when she worked on a project for schools making resources about South Coast Aboriginal history. This brought her into the University environment and she later decided to become a student. By this time the Aboriginal Education Unit (AEU) had been set up and Carol became its community liaison officer while studying part-time.

Carol found the Unit to be very supportive, and she in turn was able to help other students. Her studies were very demanding but, she says, 'having other Koori students around going through the same things really helped'. Carol is just one of many Aboriginal students at the University who have found the support offered by the AEU to be invaluable. She is still employed by the Unit and, together with her colleagues pictured above, continues to offer assistance to Aboriginal students on campus.

The Aboriginal Education Unit was established in 1984 to provide support and study facilities for Aboriginal and Torres Strait Islander students. This resulted from the University's policy of encouraging enrollment by these groups who may not have had an opportunity to complete formal schooling. Each year in December the Unit runs an Alternative Admissions and Orientation Program aimed at both school leavers and mature-age Aboriginal people. Recently this has been combined with a 'Culture Camp' which emphasises Aboriginal foundations for learning, communication, team building and personal development.

Unit staff are also involved in a secondary schools visits program. Set up through contact with Aboriginal communities and organisations, these visits are aimed at disseminating information, encouraging Aboriginal students to achieve their Higher School Certificate, and raising levels of awareness generally about courses that are available at the University of Wollongong.

Since the establishment of the Unit, there has been a steady increase in the number of Aboriginal and Torres Strait Islander students enrolling in courses, both undergraduate and postgraduate.

The AEU is also involved in teaching programs, particularly with the Faculties of Education, Arts and Law, and conducts information sessions for various community groups both within and outside the University. These include sessions for international students enrolled in Foundation Studies with the Illawarra Technology Corporation.

For such purposes the AEU provides an extensive resource collection which is accessible to borrowers. Research in various areas relevant to Aboriginal issues is beginning to play a more significant role in the Unit's operations and strong independent links have been established between the AEU and regional Aboriginal communities.

Profiles of some Aboriginal graduates from the University of Wollongong

Nerida Blair
MA(Hons) 1991

Nine years of toll paid off for Nerida Blair when she was awarded her Master of Arts (Honours) in May this year. Previously a graduate teacher in Victoria, Nerida has worked in many positions ranging from school teacher to the Coordinator of the Aboriginal Education Unit at Macarthur Institute of Higher Education, Milperra Campus (now part of the University of Western Sydney). Nerida has also held a position with the Department of Foreign Affairs in Canberra.

The Aboriginal Education Unit: seated, from left, DrArthur Smith, Anne De Haas, Russell Gluck and Carol Speechley; standing Bill Harrison and Yvonne De Vries.
Currently Nerida is employed as a policy adviser to the Human Rights Commission in Sydney, advising Aboriginal and Torres Strait Islander people about the role of the Commission and how it responds to complaints by individuals or groups on breaches of human rights.

Education without a doubt is the key to success, says Nerida, who would like to pursue studies in Law in order better to understand the legal implications regarding various cases handled by the Commission.

While at this school Ken instigated an Activities Day ('fun day') which involved over 1,000 mentally, physically and behaviourally disordered participants from the entire Liverpool region, ranging in age from five to sixteen years. This program still exists, although on a much smaller scale.

Ken has maintained contact with the University through his links with the University Rugby Club, acting as secretary, coach and player. He became a life member of the Club in 1986.

Ken is currently employed as a PE teacher at Bulli High School. He believes that obtaining a diploma and a degree has enabled him to apply for a variety of positions in the education area for which he would not otherwise have been qualified.

Trevor Maher
BA 1981

AN ARTS degree majoring in Economics obtained in 1981, together with broad work experience have stood Trevor Maher in good stead to continue his interest in Aboriginal Economic Development both nationally and internationally.

Trevor is Manager of the Aboriginal Business, Technology, Training and Consultancy Centre which is based on campus in the Illawarra Technology Centre.

He works in an environment where he not only develops programs for Aboriginal and Torres Strait Islander people, but also undertakes to tender for research consultancy projects relevant to Aboriginal and Torres Strait Islander people. Trevor is also continuing his own education and is presently enrolled in the Master of Economics program at the University.

Terry Wright
BEd 1987, MEd 1991

SINCE graduating with a degree in Physical and Health Education in 1987 Terry Wright has directed his efforts towards Aboriginal Education. In 1987 Terry became an Aboriginal Project Officer at Cumberland College of Health Sciences (now part of the University of Sydney). Later the same year he became an Aboriginal Liaison Officer at the Nepean CAE (now part of the University of Western Sydney).

In 1988 Terry and his wife, a primary school teacher, became 'houseparents' at the Kormilda College in the Northern Territory. In 1989 Terry returned to NSW to become the Coordinator of Wamarr Aboriginal Education Centre at Charles Sturt University (Mitchell) in Bathurst. In 1991 Terry is still involved in Aboriginal Education, working now as an Executive Officer with the New South Wales Aboriginal Education Consultative Group.

During his student days at the University of Wollongong Terry also organised the first ever National Aboriginal Student Conference held in Sydney, a program of huge proportions and considered to be a tremendous success, attracting participants from all over Australia. 1991 has been a significant year for Terry in that he was awarded his Master of Education degree in Policy Studies.

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BARRY CONYNGHAM

Southern Cross is already a landmark Conyngham work, winning awards in Australia and Paris. Now, to his delight, the London Symphony Orchestra has chosen to record it together with his piano concerto, Monuments, as part of a series of one-composer recordings.

The LSO recording, which is conducted by Geoffrey Simon and features Tamas Ungar on piano and Robert Davidovici on violin, has a world release later this year and, if initial mixings are anything to go by, should clinch Conyngham's international reputation.

Conyngham himself can hardly contain his excitement. 'When they (LSO) sight-read it for the first play-through it was the best I'd ever heard it. The sound was extraordinary.'

There is already great interest in Conyngham's work abroad and a recording of this magnitude will be an impressive calling card for Europe and America. For the past 20 years, the amiable, prolific composer has consciously sought to write with what he calls 'an Australian accent'.

The major part of his repertoire has taken its inspiration directly from the Australian landscape, the culmination of which is probably Vast, the monumental score written for Graeme Murphy's Bicentennial ballet, which evoked Australia in all its rich, idiosyncratic and diverse beauty.

Conyngham's latest composition Decades, however, moves away from the landscape as creative trigger to more urban, humanistic concerns, and if successful will almost certainly signal the beginning of a new phase of work.

It seems ironic that he should now be turning his sights to the city, for here we are talking in the very shadow of the eerily beautiful escarpment that towers over Wollongong and its university, where Conyngham is Professor and Head of the School of Creative Arts.

Conyngham and his family live half-way up the escarpment, ocean and beaches immediately below at the front, a steep cliff face covered by dense rain-forest out the back. But despite his stunning surroundings, Conyngham now feels the need to 'burst out and abandon all this landscape and physical stimulus' for something rather more Proustian.

'One of the things that hasn't happened in Australian music', he says, 'is an addressing of the business of being a person, an individual within the Australian landscape. There has been a concentration on the environment rather than on the people who populate it. And let's face it, no matter how well you do it, if you are going to write about the landscape, you are really treading ground that Sculthorpe has made his own.'

Decades is about the 1960s and more specifically about Conyngham's personal experience of the sixties. It will have a triple layered focus: Conyngham, Australia and the world beyond, a multiplicity which he aims to capture in the music with all three happening simultaneously.

It is certainly a rich period to choose, politically and socially, as well as being an extraordinary period in Conyngham's own life. It was during the 1960s that a Bartok concert changed his life redirecting his ambitions from law to music; during the sixties that he met his two mentors, composers Peter Sculthorpe and Toru Takemitsu; and during the 60s that he went to Japan to study with Takemitsu.

But although Conyngham's inspiration may be changing, and his music with it, he still remains 'aggressively Australian.
and increasingly unequivocal about it.' He is committed to living here and is thoroughly enjoying life in Wollongong. He has always thrived on an intercourse with other artists - 'writing music is such a lonely activity' - and finds he has more than enough energy and enthusiasm to compose in the morning and then head for the University where he puts in another six hours or so each day.

He has certainly created a hive of activity at the School of Creative Arts where visual arts exhibitions fill the corridors and music seeps from studios. A new theatre was opened on October 11 with a gala programme featuring professional performers such as singer Geraldine Turner, and Graeme Murphy and Janet Vernon from the Sydney Dance Company.

His prevailing philosophy - and Conyngham certainly practises what he preaches - is that art is both deeply personal and universal. Students of the School are encouraged to cross disciplines. The one compulsory class is the History of Art which is taken by everyone whether they are studying drama, writing, visual arts or music. (Conyngham is keen to add a dance component and is working on the notion with Graeme Murphy). Students major in their chosen fields but choose from across the board for their other electives. Thus a drama student may also be studying travel writing and ceramics.

Conyngham is convinced that having practising artists as teachers raises the creative stakes still higher. His staff includes sculptor Bert Flugelman, composer Andrew Schultz, designer Jack Senczuk and writer John Scott among other talented artists.

'I really feel that I myself have learned to do things musically by associating with choreographers and designers', says Conyngham, 'so at the simplistic level the aim (of the inter-disciplinary approach) is the broadening of horizons and the increasing of possibilities. Art today is about a wonderful process of connecting an individual vision with the universal. You have your genetic imprint but you are also part of a species. Human beings need art because in art nothing is forbidden. The imagination is without boundaries.'

Conyngham too is pushing back the boundaries of his own work. By the ABC's 70th anniversary who knows what new terrain he could be crossing.

Based on an article by Jo Lisson which appeared in The Weekend Australian on 6-7 July 1991.

Aboriginal graduates

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Ian Perdrisat
DipTeach 1982

A STRONG commitment to overcoming obstacles is a characteristic that Ian Perdrisat has maintained throughout his life. In his work, his academic pursuits, and his involvement in the Aboriginal community he has constantly displayed determination. After graduating with a Diploma in Physical and Health Education from the University of Wollongong in 1982, Ian taught PE and became increasingly involved with Aboriginal Education. He has also been an Equal Employment Opportunity Officer and an Education Officer for the Department of School Education. Upon completing his Bachelor of Physical and Health Education at the University of Western Australia Ian secured a position as the Head of the Aboriginal Education Unit at the Macarthur Institute of Higher Education at Milperra (now part of the University of Western Sydney).

Since starting his Master of Education degree at Sydney University Ian has moved to Broome, WA, where he is employed as a Divisional Coordinator for the Authority for Intellectually Handicapped Persons.

Anne Louis
BA 1985

ANNE LOUIS (nee Windley) obtained her BA majoring in psychology in 1985. Anne worked in the Aboriginal Education Unit at the University of Wollongong as a student tutor for two years, which involved counselling, recruitment work and careers guidance for prospective students. A one-year position with the Commonwealth Department of Education again saw Anne tutoring university students and also organising workshops and training for staff. She says her degree has been an invaluable asset in her present position as a counsellor with TAFE in Gunnedah, a position which she has now held for three years.

Anne often reflects on the early days prior to the Aboriginal Education Unit's establishment on campus, when the Aboriginal profile was not visible. In fact at that time she was possibly the only Aboriginal female to be enrolled.

Anne is currently completing her Master of Arts (Honours) in Applied Psychology at the University of Wollongong.
THE University of Wollongong has received a generous legacy from the estate of the late Miss Janet Cosh, a resident of the Southern Highlands. Born at Ashfield in Sydney’s inner west in April 1901, Janet was the only child of Dr John Cosh and his wife, Louise, nee Calvert. Dr Cosh was a well known medical practitioner, highly regarded by his patients, and Mrs Cosh was the only child of Louisa Calvert, better known as Louisa Atkinson, artist, botanist and writer. Her book *Gertrude the Emigrant* (1857) was the first novel published in this country by an Australian born woman writer.

Janet’s parents were widely read and perhaps as a result she herself learned to read when she was very small. She attended Normanhurst School for Girls but since she was considered delicate as a child she did not matriculate. Her father thought that the study of mathematics ‘would lead to overwork’. However, she did go on to study English, History and Classics at the University of Sydney and in about 1922 Janet returned to Normanhurst School where she taught English and Classics for a number of years.

In the mid 1930s her father retired and the family went to live at Moss Vale. Janet took up golf at which she became proficient and for many years she was actively involved with the Central Southern Golf Association.

Janet was always interested in local history and studied the old newspaper articles written by her grandmother (of which her mother had copies). She also read the book on agriculture in New South Wales written by her great grandfather, James Atkinson, and set out to find the routes and features he described.

After reading about the journey of Dr Charles Throsby from the Tablelands to Jervis Bay in 1819, Janet obtained a copy of his *Journal* from the Mitchell Library and deduced that he had not reached Kangaroo Valley by Barrengarry (as popularly assumed) but by the Meryla Mountain Pass.

In Sydney Janet had attended lectures of the Royal Australian Historical Society with her mother, and she joined the National Trust some time after its formation in 1947. During her life she acquired an enormous knowledge of local history and built up an extensive personal library of history, the contents of which were all carefully documented.

Janet welcomed the formation of the National Parks and Wildlife Service in the late 1960s, and it was at this later stage in her life that she set out to study botany. This she did with her usual approach, methodical and thorough, gradually acquiring books until she had formed an excellent collection.

She obtained a collector’s licence, dissected and studied plants under a microscope, made drawings and sometimes sent specimens to the Sydney Herbarium for identification. She learned how to dry and press specimens for a herbarium and formed her own, with all the contents arranged correctly in families.

It is this herbarium which Janet Cosh has left to the Department of Biology at the University, together with all the other contents of her botanical workroom: the furniture, library, drawings (including water colour paintings), maps and notebooks (with records of plants and their whereabouts over some 20 years). The herbarium alone comprises a collection of over 1,000 plant specimens and several of the books are rare and valuable. Her bequest also includes significant funds to support the study of botany.

The Biology Department already has several donated plant collections as a basis of a herbarium and, with the addition of Janet’s material, a very comprehensive collection of specimens from the Illawarra and Southern Highlands has been brought together. The entire collection has been renamed the *Janet Cosh Herbarium*.

This reference collection of plants will be used to provide an identification service for the local region and also to facilitate
undergraduate teaching at the University and other institutions.

It is intended to use the funds of over $250,000 from the bequest to provide student scholarships and technical support for the Herbarium. This will ensure that Janet Cosh’s desire to see education in botany more widely available in the Illawarra region will come to fruition.

Janet Cosh died in October 1989. Well educated and extremely knowledgeable, she used her mind and her time so as to extend appreciation of the things she cared most about. The records she left in the field of botany will be an invaluable resource to future generations, and her generosity will always be appreciated.

Extracts of this article are based on an obituary by Rachael Roxburgh which appeared in the Royal Australian Historical Society magazine *History* in April 1990.

Footnote:
Although Janet Cosh herself never had a direct connection with the University of Wollongong, her friend Rachael Roxburgh, who shared her keen interest in botany, attended Dr Rob Whelan’s ecology lectures during the 1980s. As a result Dr Whelan came to be acquainted with Janet as well as Rachael. Sadly, Miss Roxburgh died earlier this year, but it is highly probable that her involvement with the University influenced Janet to make her generous bequest.

The University of Wollongong Foundation
A new avenue for giving

The University has established a Foundation as its arm for seeking major personal and corporate benefaction. The Foundation will work closely with the Friends of the University and the Alumni. Its endeavours will be directed primarily to raising funds in large units for major capital projects. Through these three organisations – the Foundation, the Friends, and the Alumni – the University will be very well positioned to develop relationships with every available source of philanthropy, for the overall good of the University. Wollongong is ahead of many of Australia’s 37 universities in this initiative, though some others now have a Foundation in place and many more are giving the matter serious thought. Our early start was important, as the task of recruiting the philanthropic dollar, particularly from the corporate sector in a time of recession, is not only challenging but highly competitive.

The University has been fortunate to secure the services of prominent solicitor, Mr Harold Hanson, a Fellow of the University and a Director of the Friends of the University, as Chairman of its Establishment Committee.

The Foundation’s point of contact with the University executive is Pro Vice-Chancellor, Professor Lauchlan Chipman who, like Vice-Chancellor Professor Ken McKinnon, is also a member of the Foundation in his personal capacity. A major feature on the Foundation is planned for a future Outlook.
IRENE AMOS, OAM

MCA 1986, DCA 1990

WHEN in May last year musician Clare Hansson saw the dancing colour of Irene Amos' painting 'Revelation', its rhythms moved her to compose new music. And Irene, a painter who has dedicated more than 30 years to the encouragement of new art in Australia, had inspired yet another creative artist.

Born in Brisbane, Irene Amos began a career in business and accountancy but found she needed a creative outlet from her days of office work. At her husband's suggestion she began a part-time diploma in art course at the Central Technical College in Brisbane. Entering examinations and competitions intended for full-time students, she created a precedent in 1961 by winning the four available prizes for the year.

Encouraged to continue her study of painting, Irene attended part-time courses at the University of New England Summer School painting workshops until 1970, when she was asked to join the program as a tutor. She accepted and left the world of business for the creative sphere of art.

In 1971, Irene and her husband visited 35 countries overseas, the first of many tours that gave her renewed inspiration and a chance to study at first hand painting traditions throughout the world. However, although she had never thought of herself as 'Australian', her travels also brought the realisation that she wanted to live and work in her homeland, in particular Queensland.

From her home base in Brisbane, Irene worked as a freelance tutor which gave her freedom to travel and take part in exhibitions throughout the country. It was during her continuing work at the Armidale Summer Schools that two lecturers from the University of Wollongong School of Creative Arts found their way into her classes.

'I was invited to be the inaugural painting tutor when the School formally became part of the University in 1982, and to join as a mature student the Master of Creative Arts degree course being initiated.'

A long period of travelling and living away from her Queensland home followed, Irene spending several months of each year working in her Wollongong studio. But the effort proved worthwhile - in 1986 she was awarded the first Master of Creative Arts degree, on completion of a thesis and an exhibition at the University Long Gallery and the Town Gallery, Brisbane.

Encouraged by the then Deputy Vice-Chancellor, Professor Peter Rousch, to

Revelation. Oil on canvas, 188 x 604cm. Submitted as part of Irene Amos' Doctorate of Creative Arts Graduate Exhibition held in the Queensland College of Art Gallery in September 1989.

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PHILLIP PEACE
BCom 1983

PHILLIP PEACE is a Wollongong University graduate who has become the new general manager of the Illawarra Regional Hospital. He is modest about his achievement and is more comfortable talking about his job than about himself.

As general manager it is his responsibility to ensure the effective and efficient management of the hospital and much of his job involves communicating with all levels of staff. His main regret is that he does not have enough time to do more of this. He enjoys working with a diverse range of people, from the professionally trained medical specialists and nurses to the support staff.

Phillip began his academic career through TAFE. He had ambitions of going to University but when he left school the University of Wollongong was still a college of the University of New South Wales and he wanted to wait until Wollongong had a fully fledged university. He also had to save up to go to university because fees had not been abolished at that stage.

His first employment in the health care system was at the Wollongong Hospital in 1975 as a trainee accountant and prior to his current appointment he was Executive Officer at the Port Kembla Hospital.

He completed his accountancy course at TAFE in 1976 studying part-time and in 1977 he commenced his Bachelor of Commerce degree at the new University of Wollongong. Phillip is now enrolled in the Master of Business Administration but is finding it increasingly difficult to allocate time to study because of his new work commitments. He has seen many changes at the University over the years, including increased student numbers, new faculties and new buildings, but it is, he says, just a reflection of the changes taking place in Wollongong. Phillip has stayed in the region because he wanted to see positive changes and improvements to the services that people in the area were receiving.

With the recent amalgamation of Wollongong Hospital and Port Kembla Hospital he believes that the management and services of the combined Illawarra Regional Hospital will be much more efficient and more able to meet the demands of the community. The amalgamation of the hospitals aims to develop the base for the region to become more self-sufficient. Instead of patients having to be referred to Sydney for treatment they can be treated in Wollongong.

Another exciting change that will result from the amalgamation is the new management structure which will increase the involvement of the 'bedside' staff. This new structure is one of only a few in Australia and is a new concept for hospital management.

Phillip believes that because we are living in a rapidly changing society we must adapt quickly to survive. The health service in the Illawarra has experienced enormous changes over the past decade but has learned to adapt to the changes and is now stronger for those changes.

Although Phillip believes that the Illawarra has a strong regional identity he would like to see this increase with stronger ties between the University and the health services. The Illawarra Area Health Service is determined to do this, Phillip says. The new postgraduate course in health administration will help to build those ties. Another feature is that the hospital always takes a number of nursing graduates, depending on the availability of positions.

From his experiences working in the public health care system since 1975, Phillip stresses that the community must be more informed on the major issue facing the system now and in the future: matching an increasing demand for health services against limited resources. During the 1980s a problem became apparent: the community wants more health services than we can afford.

He notes that spending on health has been increasing dramatically over the past twenty years - last year in New South Wales $4.6 billion was spent on the State’s health care system. The issue which Phillip believes should now be widely discussed in the community is how should we invest the dollars spent on health care to get the best possible health return for the people of the Illawarra, New South Wales and Australia.

There are infinite possibilities in health care, but we cannot afford to have them all now - so those working in the health care system, and the community as well, must begin to discuss the priority of services. Phillip believes that the educational role of the University can play an important part with the Area Health Service in fostering this discussion.
Vien Le
BMath/BE 1990

A TEENAGER, knowing only a little about Australian culture and unable to speak English, Vien Le and two of his brothers came to Australia in 1982. As part of a Baptist Church program to help young Vietnamese migrate to better opportunities in Australia, Vien and his brothers were given initial assistance and English lessons, living in the Sydney suburb of Beverly Hills. But it soon became necessary for the small family to find their own feet, so Vien’s older brother began working in a factory, to provide for himself and his siblings.

Vien began Year 11 in September, as it was planned that he would first adapt to the Australian school system, then repeat both senior years; but against his teacher’s wishes Vien decided to continue straight on to Year 12.

Added to difficulties with a language he was still learning, Vien’s final year of high school was more trying than most. And even extensive English lessons did not prepare him for the slang of the Australian language. ‘Even my teachers would say things I didn’t understand - g’day or fair dinkum,’ says Vien.

Despite the difficulties, Vien was eager to continue his studies. He entered Wollongong University unsure whether to pursue interests in Electrical or Computer Engineering - so he decided on both. In addition to the workload of the combined degree, Vien had to support himself while at University, his casual jobs including labouring work on the paint line at BHP Port Kembla during the holiday breaks.

On completion of his honours thesis, Vien was offered a position with NorTel through the Campus Interview Program. Initially he worked in Sydney, in the division of Marketing and Finances, but after a month he was moved back to Wollongong, to NorTel’s research centre located in the Illawarra Technology Centre on campus. Vien was the first official employee of this new research centre.

Vien is currently working as a researcher on the PABX telephone switchboard development, as the computer systems employed are changing from IBM to Macintosh.

Although Vien has completed two degrees he plans for further study, possibly in management areas related to his specialist field. But he has no plans to return to work in Vietnam. ‘There is no environment for me to work there,’ he adds.

His advice to students who may be entering a new country... ‘I don’t know whether it would be good advice or not – but depend on yourself – and, to learn English, read.’

Irene Amos
from page 10

As well as a career spanning 35 solo exhibitions and countless workshops, tutoring and involvement with other artists, Irene has also devoted much of her time and enthusiasm to the advancement of art in this country.

In 1991 she was honoured with a life membership to the Queensland Art Gallery Society and a Medal of the Order of Australia for Arts Administration, and is currently the Vice-President and purchasing convenor of the Queensland Art Gallery Society. She has also been made a Fellow of the Royal Society of Arts (London).

Irene’s paintings and drawings have been referred to as ‘symphonies of colour’, exuberant and dynamic. She has no doubt that the colour and light of her abstract paintings stem from her being an Australian and a Queenslander.

‘I call it “mud crab and mango”,’ she says, ‘but, more seriously, the quest for colour is an inexhaustible journey and all the time my appreciation of colour is being reinforced. The forms which I paint are biomorphic, living forms with a strong natural core.’

Irene sums up her personal state of enlightenment: ‘I thought I was alone on a self-questing path, but now realise everyone is on it. I was in a hurry, now I’m not.’

Some of the quotes above were taken from an interview between Irene Amos and Craig Douglas at the Queensland College of Art on 6 July 1989.
Are you able to help us trace any of the alumni listed below? The list covers all degrees and goes back as far as graduates from the 1960s. In order to maintain contact with as many alumni as possible we are seeking your assistance. If you are in touch with any of the alumni listed, could you please ask them to contact the Alumni Officer, University of Wollongong, PO Box 1144, Wollongong NSW 2500 - Telephone: (042) 21 3249; Facsimile: (042) 21 3128.

HELPING TO KEEP WOLLONGONG ALUMNI IN TOUCH

PhD
1969 Jackson Grahame Leslie
1970 Ritchie Alistair Ian Maxwell
1971 Summons Roger Everett
1973 Charlton Willis Herbert
Frier Robert David
Johnson Keith Robert
Kohn Erling
McKeegan Daniel James
Player Roger Leo
1974 Symons Jeffrey George
1975 Bennett Neil William
1976 Gas Ignatius Eng Tho
1977 Cutler Terence Austin
Mee John Ming Long
Thanh Luong Chon
1978 Allen Barry John
Das Jayanto
Holland Anthony Mark
Symes Colin Timothy
1979 Irving Juli
Rowland Robyn Lea
Whittlestone Stewart
1980 Pullin Christopher John
Walsh Robin Lindsay
1981 Wong Onn Choon
1982 Land John Allan
Qureshi Zahid Hasan
Sahli Emile Habib
Smith Gregory Charles
1983 Hutton Adrian Cornelius
1984 Brennan Philomena Susanne
Maitra Subrata Kumar
Mckerraw Phillip John
Ravinder Shashi Kala
1985 Cheah Yoo Chong
Irwin Trevor
Kapp William Arthur
1987 Krishna Venkata Venni
1988 Cheesman David
Prerera Biyanvilage Sarath
DCA
1989 Terry John Buchanann Rouse

MA (Hons)
1971 Buchan Lynne
Stockier Paul
Thomas Dale
1973 Brooks Marilyn
Fisher Christopher Harold
1974 Owen Valerie
1979 Zaunbrecher Marie Anna
1982 Pollard David Andrew
1983 Sales Margaret Lilian
1987 Dill Ross William
1989 Williams Lynette Frances
1990 Boua Chanthou

ME (Hons) - Research
1971 Yang Thien Siung
Thong Chong Wee Ambrose
1976 Mckerraw Phillip John
Lie Man Tung
1983 Odeleye Olutunde Olusegun
1986 Terziovski Mile

MSc (Hons) - Research
1964 Dyos Malcolm Walter
1965 Barnes Thomas William
1968 Gilks Arthur Joseph
1970 Edwards Robert Howard
Mccarthy Kevin John
Nancarrow Peter Charles
1971 Crawford Raymond John
Newell Raymond
Robson John
1973 George Terence John
1979 Murray Stephen
1974 Glavichinsky Paul
Halimah Liliani Fatima
1977 Land John Allan
1979 Wieck Christopher
1980 Leung Joseph Shing Fung
1982 Holland Gary Stephen
Khawaja Barkat Ali
1983 Mills Jane
1985 Chang Su Tsong
1987 Albacea Eliezer

MMet (Hons) - Research
1982 Meiner Ann-Christine
1984 Smith Robert Brazil
1985 Nair Mohini Laurie
Perry Carolyn Anne
1986 Hannell Susan Muriel
1987 Issa Soraya Sue
1989 Mintoft Joseph Gerald
1990 Walker Alexandra Joan

MCom (Hons)
1980 Filederg Gerald Ian

MEd (Hons)
1980 Long Brian Patrick
1982 Atikken Robert Maxwell
Burke Terence Richard
1984 Lam Rita Man Chee
1987 Menday Paul Thomas
1988 Holland Anthony Mark
1990 Mossop Judith Lynn

ME (Hons)
1986 Tara Kamyar

MStudAcy
1981 Atkinson Graham Dean
1983 Yong Leonard Peng Kin

MStudEd
1978 Belsham Stephen Robert
Besson David Augustus
Collinson-Smith Graeme Trevor
Robinson Geoffrey John

Dias Weerathantrige
1985 Kurniawan Agus

MSc (Hons)
1976 Munster Terence Robert
Robinson Raymond Anthony
1977 Jones John James
Leavy Linda Celeste
1979 Carter David Anthony
1979 Salvatore Alessandro Rafael
Siew Fook Cheong
1980 Mazzioli Massimo
1983 Githira Peter Njuguna
Hill Bevan Graham
1985 Cheung Chun Shan
Tisseverasinghe Christopher Niranjan
1987 Wilson Peter William
1989 Greenaway Stanley Duncan

MEd (Hons)
1990 Long Brian Patrick

MSc (Hons)
1976 Munster Terence Robert
Robinson Raymond Anthony
1977 Jones John James
Leavy Linda Celeste
1979 Carter David Anthony
1979 Salvatore Alessandro Rafael
Siew Fook Cheong
1980 Mazzioli Massimo
1983 Githira Peter Njuguna
Hill Bevan Graham
1985 Cheung Chun Shan
Tisseverasinghe Christopher Niranjan
1987 Wilson Peter William
1989 Greenaway Stanley Duncan

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1982 Atikken Robert Maxwell
Burke Terence Richard
1984 Lam Rita Man Chee
1987 Menday Paul Thomas
1988 Holland Anthony Mark
1990 Mossop Judith Lynn

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1983 Yong Leonard Peng Kin

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Besson David Augustus
Collinson-Smith Graeme Trevor
Robinson Geoffrey John
BSc (Hons)
1965
Ison Keith
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Delic George
Powell Darrance Laidley
Routcliffe Peter
Spence Rose Alan
1967
Ryder Gregory Allan
1968
Brennan John Frederick
Thomson Gienice Ann
1969
O'Leary Aidan Terence
Peady Glynn Washington
1970
Chaffey Graham Warwick
1971
Anderson Barbara Rae
Anderson David Hunter
Holland Gregory Joseph
1972
Ambler Edward Peter
Mckenna Michael Patrick
O'Donnell Michael Vincent
Oke Graham Robert
Rowley Peter George Michael
Smith Gregory Charles
1973
Barnett Russell William
Collins Brian James
Coogan Gregory Lachlan
Holland Anthony Mark
Kantsler Agu John
1974
Coggan Eileen June
PauU John Maxwell
1975
Summeride Peter
1976
All Subhan
Langenegg Peter Christopher
Walsh Paul Kenneth
1977
Mende Beno Ludwig
Mills Jane
1978
Hutton Adrian Cornelius
Macrae Gregory Paul
Navis Gregory Bruce
Smith Gregory Jon
1979
Else Paul Lewis
Furbank Robert Thomas
Geogheagan Paul Michael
Sims Peter William
1980
Dawson James David
Sangabetti Mario
1981
Barrow Ian Stewart
Hall Colin Geoffrey
Howarth Douglas Mark
1982
Cheesman David
1983
Sowden Coral Rose
1984
Ballardie Ruth Therese
Mcgee Colette Margaret
1985
Pribyl Barbara Ann
Shaw Geoffrey
1986
Martin Frances Ann
1987
Sutton Robert Daniel
BSc
1963
Barker David Robin
Durrell Sidney Richard
Ferguson Anthony John
McPauU Keith Stanley
Riley Brian TERENCE
Schweinsert Paul Desmond
Willshire Neville Duncan
1964
Vine Tim
1965
David Anna Maria
Hine David
Laid David John
Langdon Philip John
Mackay Ian Norman
Plastow Keith Malcolm
1966
Gunter Robert Frederick
Hodson Kenneth Newton
Quine Jeffrey Phillip
1967
Anderson Russell Craig
Bourke Thomas Michael
Brown Richard Barry
Harrison James Alfred
Mcewan David Charles
Melton Caryll Elizabeth
Sofield Carl John
1968
Coppola Angela
Gelling John Patrick
Hardman Gillian Joan
Kiwi Marika Maree
Leemana Dorothy Megagasi
Montgomery Neil Lindsay
Murdoch Hedley John
Rittau Wolf Reinhard
Snare Jeffrey John
Waters Chris
Wells George Thomas
1969
Few Bruce Allan
McCann Peter Francis
Sleigh Anthony Joseph
Sofield Iria
1970
Brink Gysbertus Barend
Montgomery Thomas John
Newing Dougall Roy
Price David Allen
Wedlock Geoffrey Lloyd
1971
Ashford George Charles John
Barnes John Lindley
Craig Clive Douglas
Graham Colin James
Hanes John
Johnston Ronald Douglas
Muir Ian Edward
Olson William Lyndon
Rogers Terence Keith
Summers John Malcolm
Woodgate Anthony
1972
Armstrong Christopher Warren
Berglund Robert Geoffrey
Bonato John Anthony
Chinnock Wilma
Eaton Graeme Maurice
Emery Alan Robert
Goodwin Terry Francis
Harrington Lesley Lynette
Hopkins Peter Raymond
Lear Terrence John
Miskelly John William
Thorne Paul Jeffrey
Warneck Graeme Douglas
Waugh Peter Francis
1973
Bullers John Gerard
Carter David Anthony
Douglas Mark Findlay
Hughes Warren William
Langton Garry Owen
Lindsay Alexander
O'Malley Julie Ann
OcKirk Helga Anna
Posetti Peter John
Rowe Denis William
Smit Jacobus Willem
Stewart Christine Grace
Van Voskuilen John
Williams David Barrie
1974
Broome Margaret Mary
Bunyan Paul William
Caldwell James Alan
Curran Susan Joy
Davis Ian Robert
Dye Keith George
Gye Stephen John
Hales John Rutherford
Heigge Johanne Lesley
Heinis Anne Louise
Mason Carol Anne
Paxton Elaine Lynette
Porter Anthony Robert
Stoddart Roslyn Susan
Toole James Anthony
Vignaroli Lucien Alfred
1975
JongsmaBurry
Komek Wolfgang Rudolf
Mcnamara Patrick John
Paine John Williams
Smith Kevin Charles
Tirris LouisoS Michel
1976
Anderson Peter John
Armstrong Stephen John
Benjamin Denis Ian
Bott Steven James
Chapman Phillip James
Crookham Rodney Thomas
Dean Eugene Patricia
Gill Jennifer Elaine
Lange Thomas Eric
Langenegg Peter Christopher
Mckenzie Ian Coulter
McLean Colin
Parker Garry Wayne
Ryan Glendon James
Tainelli John Robert
Terry Christine Elizabeth
1977
Bain Ian Ronald
Bartlett Dawn Narel
Bates Geoffrey Brian
Campbell Leonie Ann
Crickshank Jillian Craig
Hall Peter Denis
Herbert Gary Francis
Holland Rhonda Anne
Martine Bettina
Mayadas David Harish
Mckone Dinah
Nau Richard Michael
Parkhill Noel William
Voulalis Zaftiros Dimitrios
Wolfe Alle Elizabeth
1978
Anderson Alf Lennart
Blackley Christopher Timmoth
Caulton Jane
Dawson James David
Eklund John Holger
Elise Paul Lewis
Foyster Gordon Trevor
Healing Wendy Ruth
Kemp William Drinnan
Mitchelson Paula Louise
Neeves Rhonda Lynd
Ogle Terry Raymond
Perks Eileen Ann
Pramm Horst Edmund
Rotho John
1981
Kevan Graham Robert
McGrew Colette Margaret
Sweeney Michael John
1984
Lloyd-Jones Stephen Edwin
Ponnum Horst Edmund
Riedel Michael John
Sodeau John Martin
1985
Kiernan Armand James Matthew
Mall William Seldon
Martin Frances Ann
May Michael Stephen
Mcivor Karyn Louise
1986
Bums Penelope Jane
Gillette Mark Phillip
Reid Andrew Vincent
Shaw Geoffrey
Villn Emden Amanda Judith
1987
Giles Brett John
McLoughlin Maija
Sutton Robert Daniel
1988
Henderson Wendell Narelle
Neumann Peter
Phan Phuong Thi
1989
Jems Pam Fiona
McFadden Elizabeth Janette
Teasdale Catherine Anne
1990
Fox Michael Graham
Syd Adnan Syed Annur
Unwin Lia Elizabeth
BEnvSci
1987
Chaffee Christopher James
Hatton Paul Kenneth
Korber Richard
Levin Rodney James
Milham Gregory William
Monger Anthony Gerard
Ross Richard Beamish
Rudkin Terence John
Sanguineti Mario
Watson Brian Leslie
Williams Craig Anthony
1980
Baumann Julian
Clifford Ann
Cooper Arthur Edwin
Fahey Anthony Robert
James Deacon Gloria
Marcozni Andris Imants
Peters Geoffrey Richard
1981
Bennett Elaine Deborah
Brinsmead Andrew Robert
Hilliker Lawrence John
Jones Trevor Douglas
Jux Arthur Edmund
Kuzyk Roman
Meredith David William
Sales Natelle
Shepherd Peter Charles
Sherryt Milton James
Sowden Coral Rose
Tate Carolyn Dorothy
Taylor Beatrice Anne
Woolston Jonathan Dean
Unicomb Graham Stanley
1982
Corino Gary Lewis
Millstead Linda Diana
Wilson Beverley Ann
1983
Ballardie Neil
Matthias Thomas Michael
Mcgee Colette Margaret
Sweeney Michael John
1984
Lloyd-Jones Stephen Edwin
Ponnum Horst Edmund
Riedel Michael John
Sodeau John Martin
1985
Kiernan Armand James Matthew
Mall William Seldon
Martin Frances Ann
May Michael Stephen
Mcivor Karyn Louise
1986
Bums Penelope Jane
Gillette Mark Phillip
Reid Andrew Vincent
Shaw Geoffrey
Villn Emden Amanda Judith
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Giles Brett John
McLoughlin Maija
Sutton Robert Daniel
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Neumann Peter
Phan Phuong Thi
1989
Jems Pam Fiona
McFadden Elizabeth Janette
Teasdale Catherine Anne
1990
Fox Michael Graham
Syd Adnan Syed Annur
Unwin Lia Elizabeth
BEnvSci
DipAppSc(Nurs) - Conv
Healy Caroline Elizabeth
AssocDipArts - P/V

1983
Burgess Rita Noaileen
Fisheook Peter
Laurie Robert Graham
Nyland Jane
Ryan Stephen Patrick
Stewart Kenneth Robert
Blakey Maria Ednene
Bridge Paul Andrew
Farrington Helen Patricia
Gary Roger Hoapana
Kennedy Eileen Frances
Neskovski William
AssocDipCompAppl

1985
Serko John Antonio
Danusaputra Himawan
Ivera Shane Patrick
Painter Michael Anderson
Armstrong Ian Robert
Senjaya Willy
South Lois Amanda
Hadiprojo Moeljadi
Mackenzie Dominic Francis
Dimitrooulos Chris
AssocDipIndStud

1986
Hindson Stephen Michael

AssocDipSports Sc

1985
Corrente Cathy
Healy Andrew Thomas
Small Cathie Sue
Mullan Michele Mary
AssocDipArts - Perf

1984
Bridge Paul Andrew
Rutherford Louise
Moon Scott Andrew
AssocDipArts - Visual

1985
Griffith Pamela
Hatch Patricia
AssocDipAdmin(Indus)

1988
Maher Grahame John

GDipEdStud(Hlth)

1982
Cotsum Penelope Anne
Davidson Regina Letitia
Heald Gillian Marjorie
Hopley Bryant William
Jones Yvonne Anne
Robinson Lynette Ruth
Thorncroft Glenn John
1983
Fleming Mark
Howard Gregory John

GDipEdStud(SciMath)

1982
Bogema Andrew Keith
Cooran Ann Louise
Webster Mark Anthony
1983
Napoloni Steven

GDipEdStud(EnvEd)

1982
Carlson Gregory
Delandre Stuart Ray
Humphreys
Shane Kathleen Steel
Mckellar Robert Michael
Shearer Gregory Edward

GDipEdStud(SchAdmin)

1982
Boniface Stephen Charles
Connor Christopher Robert
Lee-Swinson Kim
Lee-Swinson Peter
1984
Hyatt Michael Thomas
1985
Jašak Sr Aniela
Mckenzie Judith Gay
1986
Bailey H
Priestly Nina
Roodenrys Paul Francis
Street Kevin James
1987
Court Bernard James

GDipEdStud(R/ESL)

1982
Carion Elizabeth Marjorie
Healde Meika Ann
Mogoldrick Terry John
McMahon Gayle Therese
O’Gorman Gail Annette
1983
Meyer Charles
1984
Paviour Lorna  Ellen
Todner PhylUs Joyce
1985
Colless Lindsay
Menzel Elizabeth
Pogson Jacqueline Mary
Rosier Carolyn Joy
Wilsa Margaret Anne
1986
Brown Kristine Maria
Sutherland Beverley Anne
1987
Buckton Ross Albert
Fogarty Clifford
Tuziai Kathleen Mary
1988
Barrett Luke Adrian Douglas
Walker Kathryn Joy
1989

Mukherjee Lyndal Jane
Richards Joyce Patricia
GDipEdStud(Comp Ed)

1984
Robertson Lance
1985
Paul Suzanne
Wilkinson John William
1987
Becker David Charles
Meehan Janette Elizabeth

GDipOccHlthSaf

1986
Thompson Barry Robert

BCA - Perf

1985
Bunn Paul Walter
1986
Farrington Helen Patricia
Snyder Glenda Margaret
1987
Caines Christopher Charles
Francis Donald Stephen
Griffiths Allison Ann
Hull Coral Ellen
O’Sullivan Sian
Yasmine Mishline
1988
Gabe Joanne Marilyn
Hilliard Carolyn Anne
1989
Kobin Andrew Francis
Lynch Sue-Ellen Maree
1990
Berry Scott Duncan

BCA - Visual

1985
Laurie Robert Graham
Sargent Margaret Patricia
1986
Blakely Maria Edmee
Gavriloiski Cole
Martin Donna Marie
Pruulovski Norm Naum
Preson Denise May
Smith Lynnette Anne
1987
Burgess Rita Noaileen
Moore Timothy Julian
1988
Bonner Geoffrey John
Carbonel Esquerolea Maria Teresa
Preser Frances Merrilyn
1990
Katalinic Mary Jadranka

BCA (Hons)

1990
Berry Scott Duncan

BAAppSci(Hmm Mvmtd)

1987
Guilhaus Lynn Janette
1988
Simon Angela Kathrine
1989
Cokely Bryan
1990
Johnston Christine Elaine
UNIVERSITY OF WOLLONGONG

MEMENTOS

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

Alumni Officer, University of Wollongong
PO Box 1144, WOLLONGONG NSW 2500

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Price</th>
<th>Quantity requested</th>
<th>Cost A$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lapel pin</td>
<td>4.00</td>
<td>.................................</td>
<td></td>
</tr>
<tr>
<td>Key ring (University crest on leather fob)</td>
<td>6.50</td>
<td>.................................</td>
<td></td>
</tr>
<tr>
<td>Wall Plaque * (15 x 18cms - Coat of Arms mounted on varnished wood)</td>
<td>48.00</td>
<td>.................................</td>
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</tr>
<tr>
<td>University of Wollongong: An Illustrated History, by Josie Castle</td>
<td>18.00</td>
<td>.................................</td>
<td></td>
</tr>
<tr>
<td>Sheaffer ballpoint pen (gold laser engraved with University's name and crest)</td>
<td>55.00</td>
<td>.................................</td>
<td></td>
</tr>
<tr>
<td>Teaspoon (Stuart): plain or flute (specify)</td>
<td>7.00</td>
<td>.................................</td>
<td></td>
</tr>
<tr>
<td>Letter opener</td>
<td>9.00</td>
<td>.................................</td>
<td></td>
</tr>
<tr>
<td>Fridge magnet</td>
<td>3.00</td>
<td>.................................</td>
<td></td>
</tr>
<tr>
<td>Thimble</td>
<td>5.50</td>
<td>.................................</td>
<td></td>
</tr>
<tr>
<td>Coaster (single)</td>
<td>4.50</td>
<td>.................................</td>
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<tr>
<td>Sticker (with University crest)</td>
<td>2.00</td>
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<td>T-shirt*: black/navy/red/turquoise blue</td>
<td>14.50</td>
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<tr>
<td>Polo shirt*: black/navy/royal blue/white</td>
<td>28.00</td>
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<tr>
<td>Sweatshirt*: black/navy/royal blue/white</td>
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<tr>
<td>Hooded sweatshirt* with front pockets: navy only (Sizes ML and XL)</td>
<td>30.00</td>
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<tr>
<td>Zip-up jacket* (sweatshirt material): black/royal blue (Sizes ML and XL only)</td>
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</tbody>
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NB: Postage and packaging is included, but for those items marked with an asterisk (*) please add A$5.00 for overseas orders.

I enclose a cheque/postal money order (or if overseas, bank draft drawn on an Australian bank) payable to the University of Wollongong for A$......... for the items indicated above.

PLEASE PRINT CLEARLY

Name: ___________________________ Signature: ___________________________

Address: ___________________________ Postcode: ____________ Country: ____________

Telephone: ___________________________ Work: ___________________________ Home: ___________________________

ANY ENQUIRIES MAY BE DIRECTED TO THE ALUMNI OFFICE:
TELEPHONE: (042) 213 249 OR (042) 213 110; FACSIMILE: (042) 213 128
Graham Creary
MBA 1989

Graham Creary is a graduate of the original MBA class at Wollongong. He enrolled initially in the Diploma and then the Master of Management courses and was very pleased to be able to complete his studies by taking out a Master of Business Administration. He is particularly grateful to Professor Julian Lowe for his part in introducing the MBA degree to the University.

When Graham first began his studies he was employed by Sun Alliance Australia Limited. His aim at that stage was to further his career in the insurance industry. In 1986, however, he began his own business and now manages his own insurance agency, Gramon Insurance Agencies Pty Ltd, at Caringbah in Sydney.

Graham says that MBA course helped him to realise opportunities and gave him the confidence to go into business for himself. The skills he learned at Wollongong University, particularly in the area of problem solving, have helped him in setting up and running the agency. He believes that the strength of the MBA course lies in the way it broadens one’s approach to problems and possible options.

Graham has joined the Graduate Management Association (GMA) and believes he may be the only current member who has graduated from Wollongong. The Association membership is open only to MBA graduates.

Graham is keen to hear from other MBA graduates from the University of Wollongong, believing that this sort of networking can only be mutually beneficial. He can be contacted by telephone (02) 525 8966, or by facsimile (02) 524 9278.

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PAPUA NEW GUINEA STUDENTS CELEBRATE INDEPENDENCE DAY

Students from Papua New Guinea held a function at Campus East to celebrate the 16th Anniversary of their country's independence. On 16 September 1975 Papua New Guinea ceased to be a United Nations Trust Territory under Australian Administration and became an independent country.

More than 20 students from PNG who are currently enrolled at this University together with their families hosted the independence celebration. Papua New Guinean students from other universities in New South Wales also attended with their families, as well as staff and students from the University and members of the local community who have a connection with PNG.

The guest of honour was the Vice-Chancellor, Professor Ken McKinnon, who was Director of Education in Papua New Guinea from 1966 to 1973. Also present was Mr Misty Baloiloi, Deputy Vice-Chancellor of the Papua New Guinea University of Technology, Lae, who is currently on secondment to the University.

Over 170 people attended the celebration where traditional ‘mumu’ (food cooked in a pit lined with hot stones) and a spit roast of pork was shared. There was also a flag raising ceremony accompanied by speeches.

The event was considered a great success and plans are already under way for an even bigger independence celebration next year.
Alumni find romance at Wollongong

Irene Hsu
BSc 1991

Daniel Van Blerkom

FROM different countries and studying unrelated courses, Irene Hsu and Daniel Van Blerkom never expected to meet one another and find they had so much in common.

Irene began her studies in Taiwan, enrolled in a TAFE-like college course in pathology. But her interests were drawn to dietetics and with a knowledge of English from high school classes she chose Australia, in particular Wollongong, to further her studies. While at the University, Irene lived at International House and it was here that she met Daniel.

Although he had only a year to go in order to complete his degree in electrical engineering at the University of California, Berkeley, Daniel decided he wanted to travel before graduating. The exchange student program gave him a chance to visit Australia without putting his studies on hold, and although it added extra work to his degree requirements, Daniel arrived in Wollongong in February of this year - also boarding at International House.

Irene's sketchy English did not prepare her for slang terms and fast Australian talkers; and essay writing in a second language proved a problem. A friend recommended she ask Daniel - an American exchange student she had first met in the dining hall - for help. Daniel was happy to co-operate, and they have been together since.

Just four months later, Daniel and Irene decided to make a permanent commitment. The first announcement of their plans for marriage took their friends and parents by surprise, but all were supportive; Irene's parents flew out from Taiwan, and Daniel's mother from America, to attend the ceremony held on August 10 beside the University duckpond. Their decision to choose the University was a simple one - not just a symbol of where they met but, to a struggling student couple, it was free.

Irene completed her Bachelor of Science degree majoring in nutrition at the end of the autumn session and graduated in October; she is currently working with the Department of Public Health and Nutrition until November, when she and Daniel will move to America.

Once Daniel completes a final semester at Berkeley, they are hoping to start graduate courses at universities in California the following year, and are both planning to work in Taiwan over the holiday breaks. But before they resume their studies, a honeymoon in New Zealand is planned, as there was no time after their wedding for such a luxury.

No longer living at International House, Daniel and Irene feel marriage has changed little between them, apart from being the first 'couple' among their friends. It was something neither of them expected when they came to Wollongong - although before he left for Australia, Daniel remembers his mother saying, 'Do whatever you want, just don't get married....'

Wisnu Edi Pratignyo
MA 1990

Wisnu Edi Pratignyo graduated in 1990 with a Master of Arts in International Relations. He is now employed as a diplomat, working at the Indonesian Embassy in Moscow. He has been there for the past four months and comments on the 'tremendous stage in its political life' currently being experienced by the Soviet Union.

Wisnu works in the economic section of the Indonesian Embassy where his job is to monitor the economic development of the Soviet Union in general, and Soviet-Indonesian economic cooperation in particular.

He says he is looking forward to visiting the University of Wollongong again sometime in the future, and would like to meet any other Wollongong University graduates who are in Moscow or Europe.
HONG KONG DINNER FOR ALUMNI

A UNIVERSITY of Wollongong reunion dinner was held in Hong Kong on August 29 for graduates, former staff and other contacts of the University.

The venue was the Jumbo Floating Restaurant at Aberdeen Harbour and over 70 people attended. More than half were graduates, predominantly from the Commerce and Engineering faculties.

The evening was hosted by the Deputy Chancellor, Dr Brian Gillett, who stressed the benefits to alumni of remaining in contact with the University and with each other.

As a result of the excitement generated by the reunion some of the graduates have agreed to assist in setting up a Hong Kong chapter of the University of Wollongong Alumni Association.

Professor Tony Ng, formerly Associate Professor of Electrical and Computer Engineering at the University, and now Professor of Electric and Electronic Engineering at the University of Hong Kong, has given strong support to this initiative and attended the dinner with his wife, also a Wollongong graduate.

The special guests included representatives from Shue Yan College, the Hang Seng School of Commerce, the Education Department and the Australian Alumni Association of Hong Kong, as well as the Australian Trade Commissioner and the Manager of the Australian Education Centre. Also present were the families of some of our currently enrolled students and the University's representative in Hong Kong.

Addressing the reunion is Dr Brian Gillett, the University Deputy Chancellor. Seated at left is Professor Tony Ng, of the University of Hong Kong, and at the right, Mr T P Ng of the Education Department.

The evening was highly successful. As well as the delight of catching up with old friends, the graduates particularly appreciated seeing a video about developments at the University and showing them many familiar sights, as well as some unfamiliar ones such as the new swimming pool.

FRIENDS' NEW EXECUTIVE OFFICER

Ms ELLEMIEKE Fouls has been appointed Executive Officer for the Friends of the University of Wollongong. She is no stranger to the University since she worked for some months with Professor Gordon Wallace in the Department of Chemistry.

Ellemieke, who likes to called Mickey, holds an MSc in chemistry from the University of Cape Town, South Africa, where she was a junior lecturer. She has also had considerable organisational and managerial experience in the private sector.

Before emigrating to Australia Ms Fouls was the Catalysis Research Group Administrator at the University of the Witwatersrand, Johannesburg, where her duties included management of the group's finances and accounts, organising conferences, production of public relations material and communicating information to business, industry and the media.

Mickey is employed part-time and is based in the Planning and Marketing Branch of Administration. Her telephone number is (042) 21 3169.
First history of the University published

OUR UNIVERSITY
THE FIRST FORTY YEARS

AS THIS issue of the Outlook closes for press so too does another publication: a first-time published history of the University of Wollongong. The work is produced for the University's alumni, and also for wider, general distribution. Entitled University of Wollongong—an Illustrated History, it became available in October. The coupon on page 17 is provided to simplify purchase by (and guarantee early delivery to) students and staff and the ten-thousand-plus off-campus readers of the Outlook.

The History covers the period 1951 to 1991, 40 years during which the University advanced from a regional outpost of the New South Wales University of Technology to the independent, high-profile seat of learning we know today.

Josie Castle writes ...

WRITING a history of one's own workplace is difficult but rewarding. Being a player is a decided advantage, although it doesn't reduce the slog of tracing documents and pictures (and their captions) and pinpointing events.

Like any history, the Illustrated History is selective and thematic. It seeks to provide an interpretive view of the University and to suggest answers as to why it was founded and how it came to be the organisation it is today. The context of explanation is the evolution of tertiary education in Australia since 1945, and the shaping policies of federal and state governments. Material came from manuscript and printed sources and from past and present members of the University community, who willingly gave interviews providing insights into such issues as autonomy, academic development and organisational modes.

The History does not seek to form a comprehensive account of every academic department, nor of the administration. The problem throughout has been one of compression: of deciding what had to be included and what could be left out.

Discretion has also prevented the recording of some material. One example is the dematerialisation of Lord de Lisle's personal standard from the College flagpole at the opening ceremony. To the anguish of the administration the Governor-General was forced to leave Wollongong without it. A week was to pass before it magically rematerialised.

The idea for this History came from Jim Langridge, who moreover found funds for research assistance. Support and encouragement came from Ted Wolters, who arranged several blocks of writing time for me. Jim Hagan was invaluable for suggesting organising themes and recounting experiences as an active participant throughout the University's formative years. Michael Organ brought his skills as a researcher and his enthusiasm for local history. Andrew Wells was a supportive critic. Archivists Annabel Lloyd and Laurie Dillon were unfailingly helpful. Rob Hood subjected page proofs to rigorous scrutiny. Merryn Wood of The Mercury cheerfully supplied pictures. Finally George Wilson has lent his editorial skills and literary flair to shaping the manuscript.

George WUson

Josie Castle

Department of History and Politics in the Faculty of Arts. On these pages she explains the background to the History and provides a brief outline of the ground covered by the work.

The UNIVERSITY of Wollongong began in 1951 as the Wollongong Division of the New South Wales University of Technology. For Australia this university of technology was a departure from traditional tertiary teaching in its dedication to the applied sciences and in its efforts to be a state-wide university with country feeder colleges. Its establishment was the state government's positive and innovative response to the serious deficiencies in technical education revealed by the demands of war and the needs of the flourishing post-war metals industries. The New South Wales State Labor Government and its advisers from industry were committed to increasing the supply of engineers, metallurgists and chemists. An essential element of this plan was the establishment of Divisions in the steel and mining towns of Wollongong, Newcastle and Broken Hill.

From these limited beginnings the University of Wollongong has developed into a full University offering a wide range of courses outside the technologies and recruiting students both nationally and internationally. Forty years ago the steel industry needed engineers and metallurgists above all else. Now this need has lessened but there is increased demand for people with Arts and Commerce
degrees and in new areas such as Informatics. There remains a nucleus of students under sponsorship in the applied scientific courses; but businesses and the community are also interested in training economists, accountants and managers, and the majority of students no longer has a connection with the steel works. Since the late sixties national demand for graduates with training in Arts, Commerce, Medicine and Law has grown vigorously, keeping pace with the growth of tertiary sector employment since 1945. The university has diversified its research and scholarship and now offers a wide range of subjects to students originating in locations as far apart as Sydney, Hong Kong, Malaysia, Indonesia and the USA.

Progress has been dramatic. Forty years ago staff at a divisional outpost prepared undergraduates in diploma and degree conversion courses. Honours students transferred to the parent university. There were very few postgraduates. Staff were mainly junior, conducting teaching and research with proportionately fewer amenities and less money than were available in metropolitan universities. Today with senior staff and a wide range of undergraduate and postgraduate courses the University holds a respected place in the corpus of Australian universities. Its Vice-Chancellor chairs the Australian Vice-Chancellors’ Committee, the most senior consultative body for universities in Australia, making the University of Wollongong a significant element in shaping national policy on tertiary education.

At the laying of the foundation stone of the Mechanical Engineering Trades Workshop of the new Wollongong Technical College on Saturday 19 December 1942. The opening ceremony was carried out by the Hon Clive Ettritt KC, then Minister for Education. The building was part of a plan for a complete new college and a new high school.

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LIVING CONSTRUCTIVELY WITH CULTURAL DIVERSITY

The Centre for Multicultural Studies (CMS) at the University of Wollongong was the first research and specialist teaching centre in Australia to concentrate on issues of immigration and the social consequences of cultural and linguistic diversity. In many ways it has pioneered work in this area and its publications have influenced government policy and scholarship alike. Dr Mary Kalantzis has been part of the CMS for seven years. Her commitment to the work of the Centre comes primarily from a very personal sense of responsibility to contribute to the understanding of Australian history and society from a more holistic perspective. She believes that for too long the issues that relate to the indigenous peoples and those immigrants who did not emanate directly from Britain have been regarded as marginal - relegated too often to the realm of social welfare and benevolent paternalism.

Mary Kalantzis' achievement has been to contribute to scholarship that locates the contribution of these people at the very centre of the making of Australia. She insists that the material and economic contributions of these people to the making of the nation have been too frequently overlooked, as have the conditions in which they have worked and lived.

Mary has always chosen to do work that has a twofold nature - the restorative work of recognising the diversity of the Australian people on the one hand and, on the other hand, the task of reconstructing Australia as a new sort of community where people can comfortably relate on three levels without one level excluding the others: as members of diverse local or ethnic communities; as members of the Australian community; and inevitably as participants in a global marketplace where the issue of cultural and linguistic diversity is just as pressing as it is locally. These concerns are reflected in Mary's doctoral thesis, White Man Dreaming, a history of immigration and Aboriginal policies from 1945 to 1967. They have also found a broader audience through Mistaken Identity: Multiculturalism and the Demise of National Identity, co-authored with CMS colleagues Stephen Castles, Bill Cope and Michael Morrissey. First published in 1988, a second edition of this book was published in 1990. It has been hailed by Donald Horne as 'a masterpiece of academic popularisation' and one of the 50 books every Australian should read and definitely own (The Weekend Australian Magazine).

Mary claims that Australia is much more advanced in its debates about cultural diversity than many other parts of the world. Indeed her selection from an international pool as the Fulbright Scholar-in-Residence for the academic year 1990-1991 by Keene State College (a part of the University of New Hampshire) reflects this. This position afforded Mary not only the opportunity to learn about another country's way of dealing with cultural diversity but also provided her with the opportunity to test how useful the Australian experience was in another context. Indeed, during her time in the USA, she was inundated with requests to speak about the approaches to cultural diversity in schooling and social policy that have been developed in Australia. People in the USA were particularly receptive to her arguments that education has an important contribution to make in preparing people to recognise that they need to be negotiating a new mainstream, not just defending and maintaining pockets of cultural difference, and to be equipped with the skills for this task. Social policy makers need to recognise that, at both the local and the global levels, the issue of diversity is becoming more and more prominent. Nations in a new world order need no longer define themselves around a single ethnic descriptor. Rather they need to embody a set of values that all can call their own with integrity. They need to view diversity not as a threat to social cohesion but as a contribution to social vitality, creativity and wellbeing.

Mary has returned from America to take up the position of Director in a new undertaking, the Centre for Workplace Communication & Culture (CWCC). This is a joint venture between CMS Wollongong and the University of Technology, Sydney, in association with the National Languages Institute of Australia. The object of the Centre is to conduct research and develop training programs on the issue of cultural and linguistic diversity in the workplace: from schools to restaurants, from the local council office to the factory floor. The aim of the CWCC will be to find ways to assist in eliminating any barriers that cultural difference might make to efficient participation. It will also try to develop strategies whereby cultural difference might be used as a positive resource, contributing to national and international competitiveness by fostering creativity and maximising productivity. No nation can any longer disregard this task and Australia has shown great initiative with recent measures such as the training levy and industry restructuring.

Managing cultural diversity is, however, still a relatively new area of research and practice, and one fraught with dilemmas. Mary hopes that this new venture will continue the tradition of the CMS in producing work that is exemplary both in theory and practice.
**MARKING AN IMPORTANT ANNIVERSARY**

**URING the first week of May, ceremonies and celebrations were held to mark the 30th Anniversary of the founding of Wollongong University College and the graduation of the 1,443 students who had satisfied requirements for their degrees at the end of 1990.**

Two notable citizens of Wollongong were also made Fellows of the University. Mr Harold Hanson, prominent local solicitor, Chairman of the University Foundation's Establishment Committee, a Director of the Friends of the University and a former University Council member, was awarded a Fellowship for his continuing commitment to the University's development and his achievements in the Illawarra community. The Reverend Raymond Heslehurst, Anglican Chaplain to the University since 1983, was awarded a Fellowship for his services to the University, in particular his work for the welfare of students.

He called on Australians to demonstrate more 'intellectual energy' and academics in particular to contribute more to the public debate on major issues.

'We need intelligence now more than ever,' he said. 'Unfortunately, many academic institutions are dropping out of the public debate on major issues, just when your inputs are needed.' He reminded his audience that Australia has a profoundly anti-intellectual tradition compounded by a materialist obsession that all values have dollars signs on them.

This view is especially strong in the 'invisible college' of Canberra's mandarins, far more powerful than the 'invisible college' of the academics,' he added.

Professor Jones concluded by looking ahead. 'We might, by the year 2000, have returned to a binary system of tertiary education, either de facto or de jure, recognising, with hindsight, that different people have different needs, and that institutions can and should provide a variety of approaches, not all necessarily under the title of university.'

At the Commerce graduation ceremony, Mr George Maltby, former chief executive of OTC, and Deputy Chairperson of the University's Illawarra Technology Corporation, gave the new graduates sound advice as they embarked on their careers during a difficult and complex time in Australia's development.

He said that retraining in a chosen specialty is likely to be an ongoing and never ending process.

'Your occupation is likely to change at least four times in your working life,' he said, 'and you may finish up in a career far apart from your expectations today or your undergraduate training - so you need to stay flexible and mobile.

'Remember also that in industry nobody will spoon feed you, they are all too busy, so you will have to learn to find out for yourself what has to be done, then do it for yourself.

'If you become adept at that, people will find time for you because they see you as a valuable resource.'

Other speakers were former senator and now Professor of Community Medicine, University of NSW, Professor Peter Baume; Director, Art Gallery of NSW, Edmund Capon; Chairperson of ABC, lawyer and member of the University Council, Robert Sorzervall; and Assistant Director General, South Coast Region Department of Education, Dr Terence Burke.
RECREATION FITNESS – YOU’RE INVITED TO JOIN IN

THE Recreation and Sports Association on campus will be familiar to many from their student days at Wollongong. But how many readers are aware of the full range of facilities now available to staff, students and alumni? Did you know, for example, that the University now has a 50-metre outdoor heated swimming pool? And a 6000 sq metre synthetic hockey field?

And did you also know that any Wollongong graduate can become a graduate member of the University of Wollongong Recreation and Sports Association? All that is required is proof of your university qualification and payment of a subscription fee ($68 a year). So, if you still live in the Wollongong area, you are strongly encouraged to pursue a healthy lifestyle by making use of the facilities and programs offered by the Association.

The facilities provided include a two-court sports stadium, four glass-backed squash courts, three tennis courts, the swimming pool, the hockey/sports surface, three natural grass playing fields and a gymnasium for weights/circuit training.

The Aquatic Centre, which was opened last year, offers a wide range of activities including learn-to-swim and swim-for-fitness classes, aquarobics, water polo, squad training and of course lap swimming and the opportunity just to have a dip. The learn-to-swim program caters for all ages from three and the instructors are highly qualified and friendly. Pool temperature is maintained at 24-26 deg C which means you can swim all year round.

The Hockey Centre, a recent addition to the facilities, claims that once you have played, trained or coached on its 6000 sq metre astrograss surface, you will never want to return to natural grass. The synthetic surface allows training to continue in wet weather when the grass fields are washed out. Not only hockey but sports such as soccer, touch and frisbee football can be played. Floodlights enable use of the playing surface at night.

The Recreation Centre is probably the most familiar sporting facility to alumni. A wide range of sports including basketball, volleyball, badminton, netball and indoor soccer is offered, as well as several racquet sports. The gymnasium features hydra gym and other weight training alternatives for those who want to tone up. Fitness assessments can also be arranged and personalised programs developed.

Aerobics classes (called Unirobics) are held regularly and are graded from easy through to tough, and for the fitness enthusiast cardiofunk classes are available. If aerobics is not your cup of tea, then circuit weight classes might interest you.

The whole concept of fitness at the Recreation and Aquatic Centre is based on safe, scientifically based exercise designed to cater for individual needs. All classes are supervised by the Recreation Officer who ensures that every class is both safe and relevant to the fitness needs of the participants.

There is something for everyone at the Recreation and Sports Association – you can also take part in a number of outdoor adventure sports or join one or more of the 22 sports clubs affiliated with the Association. For further information telephone (042) 28 1266.
ON MAY 28 the University held a special graduation ceremony at Parliament House, Port Moresby, for Papua New Guinea public servants and mid-career diplomats receiving the University's Master of Arts (International Relations) degree.

This multidisciplinary program of professionally-relevant academic studies is designed for practitioners and students intending to work in international affairs – as diplomats or officials of other government agencies, in business, the media or public affairs.

The course, unique in Australia (and with few counterparts elsewhere in the world), was developed in response to a request from the Papua New Guinea Department of Foreign Affairs.

Since the first enrolments in this course in 1989 the student body has become increasingly diverse, including men and women from Papua New Guinea, Indonesia, other South Pacific Island and South-East Asian countries, Africa, the Middle East, South Asia, and Australia. Most but by no means all of the students have been diplomats or officials of other government agencies actively involved in international affairs.

Vice-Chancellor of the University of Wollongong, and President of the Australian Vice-Chancellors’ Committee, Professor Ken McKinnon, presided over the ceremony. The University of Wollongong has strong links with PNG in many ways.

Professor McKinnon was Director of Education there from 1966-1973; Professor Ted Wolfers, Head of the Department of History and Politics and co-ordinator of this course, has been an adviser to the PNG Government since independence and played a role in the drawing up of the constitution; and Dr Michael Somare, the Minister for Foreign Affairs and former Prime Minister, was awarded, together with Mr Gough Whitlam and Sir John Gorton, an honorary Doctor of Letters from this University in 1989.

The graduands were John Painap, Dennis Renton, Jacob Werenguma Sasingian, Belden Sevua, Alois Paris Tabereng and Kappa Yarka. The Occasional Address was given by Sir Alkan Tololo KBE Hon LLD PNG, Hon Dr Tech PNG UOT, Chancellor of the University of Papua New Guinea and the Papua New Guinea University of Technology.

At a lunch held in the National Parliament building after the ceremony, graduates presented Professor McKinnon and Professor Wolfers with framed, beaten-copper panels of Papua New Guinean designs to express their appreciation of the University and its course.

While in PNG, Professor McKinnon signed agreements on behalf of the University of Wollongong for co-operation with the University of Papua New Guinea and the Papua New Guinea University of Technology.

The Governor-General, His Excellency the Hon. BUI Hayden AC, will deliver the Occasional Address at the graduation ceremony scheduled in the afternoon and will officially open the new building later. In the evening visitors and guests have been invited to attend a gala performance in the new theatre.

Outstanding national artists, including Graeme Murphy and Janet Vernon from the Sydney Dance Company, as well as singer Geraldine Turner, have accepted invitations to perform. Students from the School of Creative Arts will also participate in the performance.

Renowned dancers at opening of new theatre
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LEADER IN COMPUTER SECURITY RESEARCH APPOINTED

PROFESSOR Jennifer Seberry, from the Australian Defence Force Academy, has accepted appointment as Professor of Computer Science from the second half of next year.

Professor Seberry was born in Sydney and obtained her BSc in 1966 from the University of New South Wales. Her MSc and PhD were awarded by La Trobe University in 1969 and 1971 respectively.

While Reader in the Basser Department of Computer Science at the University of Sydney, Professor Seberry started a Cryptography and Computer Security Group. This was to be the nucleus for the Centre for Computer Security Research which she set up when she became Professor and Head of the Department of Computer Science at University College, Australian Defence Force Academy.

This centre was later to incorporate the Centre for Communications Security Research supported by Telecom.

She has been instrumental in bringing new research areas to Australia and has invented several new areas of combinatorics. She has also been a PhD examiner in Australia, Canada, USA, India, and Norway and a grant reviewer for ARC and NCERC (approximately $4-5 million a year).

Especially interested in authentication and computer security, Professor Seberry and her colleagues have received considerable media attention for their ATERB financed research into 'anti-hacking systems' or User Unique Identification.

Dean of the Faculty of Informatics, Professor Sid Morris, says, 'I am delighted that we have attracted Professor Jennifer Seberry to the University of Wollongong. She is not only an international expert in computer security, but is a leader in this important area. She is a real scholar, with over 160 publications including six co-authored books.'

Recent advances in communication technology and its application have meant that the volume of data communication has increased greatly. With similar advances in computer technology, provisions for the security and reliability of data storage, processing and communication have become of critical importance.

With the University of Wollongong becoming a leader among Australian universities in telecommunications research, it is no surprise that Professor Seberry has decided to move here. She is a welcome addition to the high-quality researchers in the Faculty of Informatics and the Department of Computer Science. It is now our intention to seek other researchers in computer security and maintain our leadership in this field.'

SIXTH TELECOM-FUNDED GROUP ON CAMPUS

FEDERAL Minister for Science and Technology, the Hon. Ross Free, announced in July that Telecom Australia will provide $1.01 million to the Centre for Information Technology Research (CITR) to establish a Telecommunications Software Research Centre (TSRC).

This centre, directed by Professor Fergus O'Brien, Head of the Department of Computer Science, is the sixth Telecom-funded operation to be established at the University of Wollongong.

It will complement the work of the Switched Networks Research Centre, another Telecom/University centre established last year, and four autonomous Telecom groups also on campus – the Customised Software Solutions Centre, the Suppliers Interface Support Centre, the Trunk Network Engineering Development Group and the National Data Base Administration Group.

The TSRC is to conduct research into intelligent networking, a field in which Telecom Australia is already competing strongly at an international level. This will have important implications in the fields of Telecommunication Information Networking Architecture (TINA) and Universal Personal Telecommunications (UPT).

The Minister commented that, while developments in communications technologies have been dazzling over the last few years, there remain significant questions that must be answered. The research to be undertaken will address the fundamental reality that communications means people, not machines, and that by creating intelligent networks, people will be able to
communicate wherever, whenever – and with whom – they wish.

The Minister further noted that this is a project which Australians can be proud of and that congratulations were due to the University of Wollongong, its Centre for Information Technology Research and to Telecom for undertaking research with such exciting human and commercial possibilities.

BHP DONATES $300,000 FOR ENVIRONMENTAL STUDIES

A NEW Chair of Environmental Science has been established at the University with the assistance of BHP. Mr Grahame Parker, Group General Manager of Port Kembla Steelworks, and Professor Ken McKinnon, Vice-Chancellor, made a joint announcement about the new Chair in June.

It will be known as the BHP Chair of Environmental Science and BHP has committed $300,000 over three years.

Mr Parker said the Chair's establishment would mean a significant boost to research at the University of Wollongong. Commission General Manager, Barry Flanagan, gave the assurance while in Wollongong in September to mark the first year of the Energy Efficiency Research Centre - a joint venture with the University - and to officially open the Centre's new $200,000 100kw electric motor test bed, one of the most advanced in Australia.

With almost two-thirds of all industrial electric power being used by electric motors, the Energy Efficiency Centre is focusing on the performance and effectiveness of electric motors and their drive systems. These can now be evaluated with the assistance of the new test bed.

'There is a school of thought that with the emergence of the Pacific Power Corporation, the new corporation to be formed from the Electricity Commission, there will be a move away from energy efficiency because of its potential impact on our sales,' Mr Flanagan said. 'The situation is, however, that there will remain strong economic grounds in maintaining and even expanding our work to promote the best use of our product.'

State Energy Minister, Robert Webster, said he was pleased to see this tangible benefit for Australian industry grow from the cooperation between the Commission and the University.

INCREASED ENERGY COMMISSION RESEARCH SUPPORT

THE ELECTRICITY Commission has recently agreed to continue its strong support of energy efficiency research at the University of Wollongong.

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