Number 24, 1993

UNIVERSITY OF WOLLONGONG

Wednesday, 18 August

CAMPUS NEWS

OPEN DAY SUNDAY 29 AUGUST. EVERYTHING OPEN. EVERYONE WELCOME

Howard Worner – a hero in our midst

Former students, colleagues, friends and relatives gathered at the University on Saturday 31 July for a special symposium to mark the 80th birthday of Professor Howard Worner, Founder of the University's Microwave Application Centre at the Illawarra Technology Centre and a distinguished Australian.

No other event in the history of the University has attracted such a prominent list of speakers; all keen to pay tribute to a man who has been, and still is, at the forefront of achievements in science and engineering in this country and overseas.

The speakers were President of the Australian Academy of Science, Emeritis Professor David Craig, President, Australian Academy of Technological Sciences and Engineering Emeritus Professor Sir Rupert Meyers; President, The Metals Society, Professor Keith Brimacombe (University of British Columbia), Emeritis Professor Nancy Millis (Chancellor, La Trobe University) Emeritus Professor Richard Stanton, (University of New England), Professor Hugh Bradlow (University of Wollongong) and Dr Brian Loton BHP.

Professor Brimacombe, a former student of Professor Worner who travelled from Canada specially for the event, said that romanticism, heroism and optimism are 'words that describe many great men and women – people who stand out because of their attitude to the human condition, to living, and cause them to achieve.

During the function Howard Worner received further honours. He was made an Honorary Fellow of the Australian Institute of Energy and was elected to receive an Honorary Fellowship of the Academy of Technological Sciences and Engineering. He becomes the fifth Australian to hold the latter award along with Sir Mark Oliphant, Sir Zelman Cowan, Sir Ian McLellan and Mr Doug Anthony. He was also presented with a fine clock by the Minerals, Metals and Materials Society of the American Institute of Mining and Metallurgical Engineers and it was announced he was to be awarded a bronze medallion to mark 50 years' membership of the Australian Institute of Mining and Metallurgy. He is seen here accepting an award presented by Sir Rupert Meyers.

'These are certainly attributes that characterise Howard Worner's unique career and set him apart as a great man,' Professor Brimacombe said.

'These characteristics cannot be learned; they are in the essence of the person.

'One cannot learn to be romantic any more than one can learn heroism or optimism. And so, for

Continued page two

Making engineering beautiful

In association with the new Engineering Building Extension, landscaping work in the area surrounded by Buildings 1, 4, 8 and 39 will begin weather permitting, in mid-August.

The work will include a disabled ramp next to the existing steps, new and improved external lighting, extensive paving and a "seat wall".

Much of this "older" area of the campus has deteriorated over the years and the new work will bring the area up to the standard of many of the newer areas.

Help show off the University on Open Day

Volunteers are needed to assist with the distribution of brochures at University entrances and the Union Information Office on Sunday 29 August, Open Day.

No one will be asked to give more than two hours of their time.

Visitors appreciate being welcomed by students and enjoy talking to them casually about the University.

It is an opportunity to put something back into the University. Contact Jan Miller in the Union Information Office.

Promotions

These promotions are advised, retrospective from 1 January 1993:

To Associate Professor: Dr S Pyne (Chemistry).

To Principal Fellow: Dr T Turpin (Centre for Research Policy).

To Senior Lecturer: Dr W Price (Chemistry).

To Senior Fellow: Dr R Iredale (Centre for Multicultural Studies), Dr S Liyanage (Centre for Research Policy), Dr P Murphy (Centre for Research Policy).

The recipients of Women in Engineering bursaries

Women in Engineering info evening

The Faculty of Engineering in conjunction with the Institution of Engineers and the Women in Engineering Network conducted an 'Engineering Lifestyles '93' information evening for schools in the area.

Several students from schools, mainly in the Illawarra area attended, although students also travelled from Nowra and Heathcote.

At the function Women in Engineering Bursaries were presented to the winners.

This prize of $500 is awarded to the best candidate from each subdiscipline with the highest HSC Tertiary Entrance Rank or equivalent.

The recipients were: Kathy Melih (Electrical and Computer Engineering), Kylie Anne Fackender (Civil Engineering), Heidi Korinne Brown (Mining Engineering), Carolyn Michelle Goonrey (Environmental Engineering), Jessica Churchill (Mechanical Engineering), Roberta Julie Morrow (Materials Engineering).

Howard Worner – a hero in our midst

From page one

Howard Worner romanticism, heroism and optimism come naturally.

'Howard has heroic qualities because he has always been a risk taker, at least as others would see it.

'Of course, to Howard the risks of working in a broad range of research fields – just think of them: the creep of high-purity lead, dental alloys, materials for prosthetic devices, foundry technology, titanium production, iron and steelmaking, non-ferrous production, microwave stimulated smelting and processing for the environment – are not risks at all.

'Howard Worner is that most special of people for whom all things are possible.

'These people do not accept barriers to what can be done; they have a restless intellect that roams that land of ideas drawing them together to formulate new concepts and new ways of thinking.

'This is the essence of creativity and invention, underpinned also by optimism and romanticism.

'To Howard, there were no risks in shifting from his academic post as Professor of Metallurgy and Dean of Engineering at the University of Melbourne to become BHP's first Research Director and to establish the Central Research Laboratories near Newcastle – there were only opportunities.

'Nor were there risks in becoming Research Director at CRA then eventually returning to academe at the University of Wollongong.

'They were successively, and successfully, new stages in his life to be seized as opportunities to determine what was possible,

'How fortunate the Australian academic and industrial communities are to have this hero in their midst."

University scholarships for graduate women

During 1992, the Equal Opportunity Unit made a successful submission to the Equity and Access Committee for funding to enable the establishment of two postgraduate re-entry scholarships.

The purpose of the scholarships is to enable women graduates, who have been out of the workforce due to family commitments, to update their professional knowledge and research skills by enrolling in a University of Wollongong postgraduate program.

The scholarships were advertised widely in the local and national press late in 1992.

Candidates were required to submit a curriculum vitae, including the names of three referees, and details of their academic record and professional experience.

In addition, they were required to provide a statement setting out their career plans, their proposed area of study and their perceived needs for updating.

Following receipt of applications, a selection committee comprising of Professor L. Chipman, Professor W. Lovegrove, Ms J. Castle and Mrs F. Franklin met to consider the applications and subsequently awarded to scholarships to Ms Jundan Shen (right) and Ms Barbara Pyne (left).

Both of the successful recipients commenced PhD studies in July 1993, Jundan with the Department of Mechanical Engineering and Barbara with the Department of Public Health and Nutrition. They are seen here being congratulated by Pro Vice-Chancellor Lauchlan Chipman.

Gill Palmer's training council appointment

Head of the Department of Manangement, Professor Gill Palmer, has been appointed a Director of the newly founded Training and Development Council of Australia.

This body has been formed of peak organisations with an interest in training and development policy in Australia.

The foundation members are the Australian Institute of Training and Development; the Australian Human Resource Institute; the Australian Institute of Management; the Australian and New Zealand Academy of Management; the Australian Quality Council; the National Safety Council of Australia and the National Society for Performance and Instruction.

The TDCA was launched in Sydney on 21 July by the Federal Minister for Schools, Vocational Education and Training, the Hon Mr Ross Free, MP.

Professor Palmer recently visited Europe to give papers at two conferences.

She presented a paper, 'Industrial Relations, Gender and the Management of Culture', at the British Universities Industrial Relations Association conference in York, UK and another on 'A Comment on Sex in Management: Gender Stereotypes and their Impact on the Management Process' at the 11th symposium of the European Group for Organisational Studies at the Ecole Superieure de Commerce de Paris.

Earlier this year the second edition of her book *British Industrial Relations* was published by Routledge.

Her book with Dr M Gardner published in late in 1992 called *Employment Relations: Industrial Relations and Human Resource Management in Australia* has sold 2700 copies from its second print run.

She has an article with Dr P Dawson called 'Total Quality Management in Australian and New Zealand Companies: Some Emerging Themes and Issues' in *International Journal of Employment Studies.*

Applications open for scholarships

In May this year a ceremony was held in Canberra to present Co-operative Education Scholarships for 1993 to successful students from the ACT. Pictured are (from left): Annette Ellis MLA, Katherine Beatty, Fiona Wallace, Lara Sossi, Emily Goodall, Tanya de Hoog, Laura Camarotto and co-ordinator of the scholarship scheme, Brian Gillett. Representatives from the target schools attended as well as representatives from government.

The Office of Development and Community Affairs (ODCA) has held several functions over the last few months to mark the establishment of new links with community organisations and the strengthening of previously established relationships.

ODCA includes the Friends of the University, the Alumni, the Co-operative Education Scholarship Scheme and the Foundation.

The inaugural Annual General Meeting of the University Foundation will be held on 26 August to elect a Board of Management.

To date 90 members have joined the Foundation in one of the following categories:

- Trustee
- Benefactor
- Member
- Honorary Member

The Friends of the University are busy organising Open Day on 29 August.

The Alumni held a successful dinner for alumni from the Shoalhaven region in April, a network of alumni contacts from that area is being developed through the Graham Park Campus.

Back at the Wollongong campus, alumni functions are being organised in August for the Commerce and Engineering Chapters, and the former Graduates Group from the Friends has now become the Campus Chapter of the Alumni Association.

On Open Day a reunion is being held for graduates and former staff from the University's early years (1962-1979). For further information ring ext. 3249.

Information packages have been posted to schools in NSW and the ACT inviting applications for the Co-operative Education Scholarship Scheme.

It is expected that from 30-40 scholarships will be awarded to high achievers.

The ODCA administers four categories of scholarships:

Co-operative Education Scholarships, which are sponsored by various industry groups including government, private enterprise and professional organisations.

Selected students receive $9,300 per annum for the duration of their undergraduate degree program and subject to satisfactory progress.

During the program students have significant periods of professional work experience in a field of enterprise related to their academic course work and career aspirations.

Students will be selected on school performance, evidence of leadership, participation in sport, the Arts and school and community activities and an interview to determine motivation, interests and communication skills.

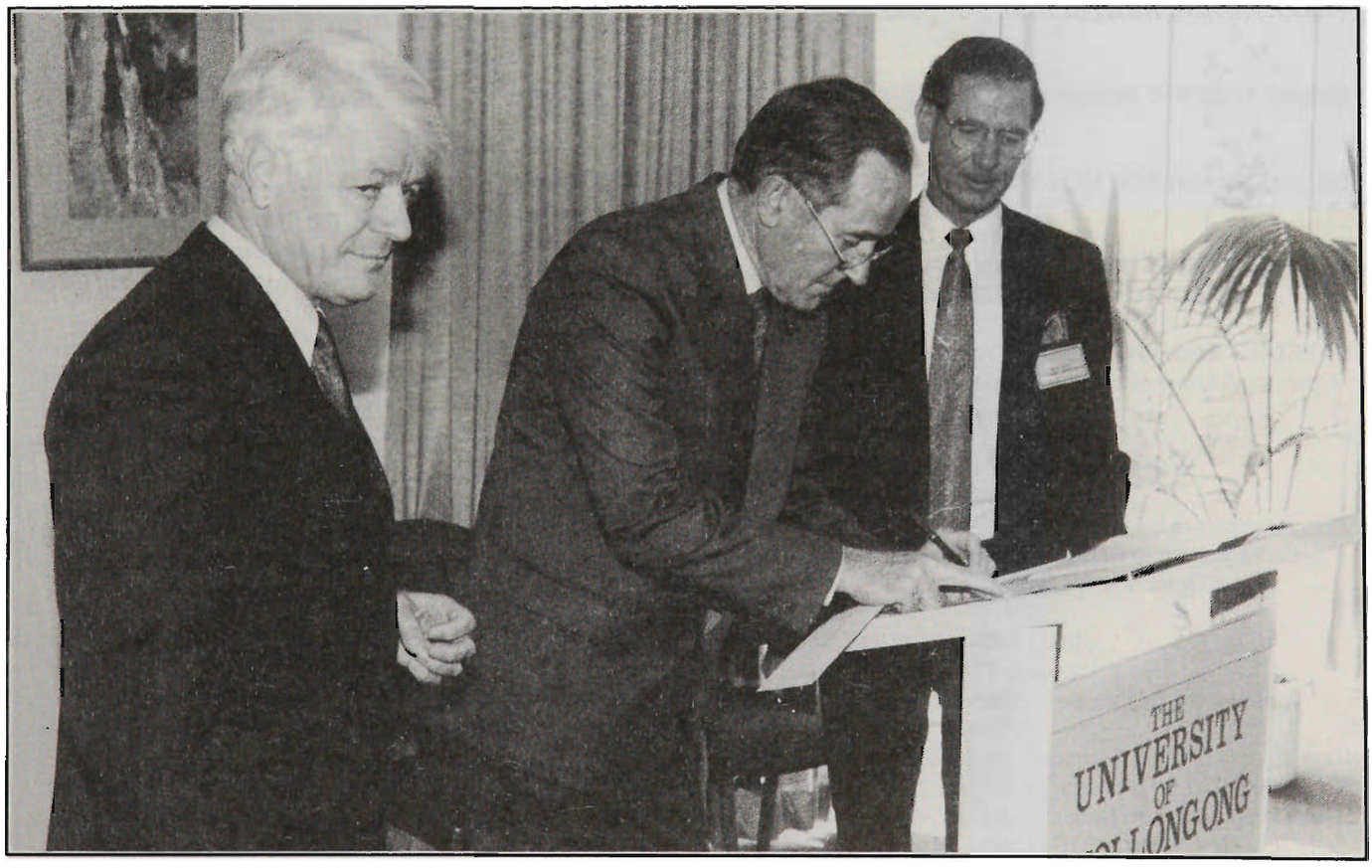
Meritorious scholarships, which are offered in all faculties and are valued at $4000 per annum for the duration of their degree studies. These scholarships are awarded on the basis of results in the NSW Higher School Certificate or equivalent.

Undergraduate Scholarships valued at $2000 for one year only, which are awarded on the basis of High School Certificate results to students who are not successful in obtaining a Co-operative Education or Meritorious Scholarship. There are also other additional scholarships available.

Co-operative Foundation scholarships are available at varying financial levels and industry commitments.

continues to strengthen links with the community

The Vice-Chancellor accepted a cheque from Mr Malcolm Harley, Southern NSW State Manager of the St George Bank for the second instalment of their membership to the University Foundation.



The City Coast Credit Union joined the Foundation in July. The Vice-Chancellor, Professor Ken McKinnon and Mr Barry Wood, Chairman of the Board of Directors (right) signed a five year agreement under which the Credit Union will contribute funds to be used for the development of the University's Communications Centre. Looking on (left) is the chairman of the Foundation Mr Harold Hansen.

University of Wollongong
CONSERVATORIUM OF MUSIC
presents

THE MARIE SNEDDEN CHAMBER MUSIC COMPETITION

$1000 - 1st Prize
Friday, 17 September 1993

The Marie Snedden Chamber Music Competition has been established to encourage the performance by young musicians of chamber music.
Application forms available from:
Conservatorium Office, Gleniffer Brae, Murphys Ave
GWYNNEVILLE NSW 2500

ENQUIRIES: Telephone: (042) 28.1122; (042) 21.3533

The University of Wollongong
CONSERVATORIUM OF MUSIC

1994 SCHOLARSHIPS AUDITIONS

13-17 September, 1993
"Gleniffer Brae"

1994 TUITION SCHOLARSHIPS

(Each of the Scholarships will be for tuition at the Conservatorium up to the value indicated below. Scholarships may be divided and awarded at the discretion of the Scholarships Committee.)

NOEL LAMERTON MEMORIAL SCHOLARSHIP $500.00
Open to any form of study conducted at the Conservatorium but applicants MUST reside within the Municipality of Shellharbour.

FRANK HUTCHENS MEMORIAL SCHOLARSHIP $150.00
Piano

BESSIE FOSKETT MEMORIAL SCHOLARSHIP $900.00
Strings

DR. HARRY MALDON MEMORIAL SCHOLARSHIP $800.00
Piano

UNIVERSITY SPECIAL GENERAL SCHOLARSHIP $800.00
Open to: Vocal, Wind, Brass, Guitar, Speech and Drama

PARSONS' ENCOURAGEMENT AWARD $360.00
Open to all forms of study but especially to encourange younger students who show potential

BHP DEVELOPMENTAL SCHOLARSHIPS - 1994
Auditions and Re-auditions
Scholarships are offered for ALL ORCHESTRAL INSTRUMENTS with particular encouragement to study such instruments as Oboe, Bassoon, French Horn, Trombone, Viola, Cello, Double Bass and Percussion.

PRELIMINARY AUDITIONS:
Monday, 13 September - PIANO
Tuesday, 14 September - General - VOCAL, WIND, BRASS, GUITAR, **SPEECH & DRAMA**
Thursday, 16 September - STRINGS
CLOSING DATE: Monday, 30 August, 1993. Times of auditions will be placed on Conservatorium Notice Board during the week prior to Scholarship tests.
SCHOLARSHIP FINALISTS CONCERT: Friday, 17t September, 1993, 7.30 pm. Gleniffer Brae Auditorium
APPLICATION FORMS available from the Conservatorium Office.
ENQUIRIES: Phone: (042) 28 1122 or (042) 21 3533

Public Health Research Group

Presentations of current research of the Public Health Reaserch Group will be held on the dates given below in Room 19.2084 from 9.15am to approximately 10.45am.

16 August: Rohan Jayasuriya, Outcome Management: Measuring Maternity Services.

30 August: Ross Harris, Mental Health of Rural Public Health Workers.

13 September: Mary Harris, Networks for care of serious Chronic Mental Illness.

20 September: Deanne Condon-Paoloni, Risk and Community Perception.

11 October: David Jeffs, Swedish Safe Council model: does it work in Australia?

25 October: Barbara Meyer, Current research in the Medical Research Unit.

8 November: Paul O'Halloran, Evaluation of Psychiatric rehabilitation.

All are welcome. Enquiries: Dr Rohan Jayasuriya, phone 21 3344.

Women's Issues Group

The next meeting of the Women's Issues Group will hear a presentation 'An Introduction to Antiques' on 24 August from 7.30pm in Room 40.1 of the Union Building Function Centre.

Leigh-Ann Baker will present the talk.

After refreshments Pauline Kearton will present 'Australia – Whose Country?'.

All are welcome. Cost is $2.50 for members and $3.50 for non-members.

Enquiries to Moira, phone 84 3741.

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Bachelor of Mathematics and Finance

The Faculty of Informatics has developed a new course – a Bachelor of Mathematics and Finance – to be offered for the first time in 1994 by the University of Wollongong.

Dean of the Faculty of Informatics, Professor Sid Morris, said that throughout the world, many mathematics graduates are employed by financial institutions because of their computational skills and their mathematical training.

However few maths graduates have a background in finance.

'This exciting new four-year degree will provide graduates with a solid foundation in both mathematics and finance,' Professor Morris said.

'This course meets the needs of those wishing to pursue careers in the modern finance and banking industry. Students who choose this course are investing in their future.'

The course provides a firm grounding in both mathematics and finance.

Subjects studied include accountancy, economics, management and computing with a major in finance and mathematics and statistics.

Professor Morris said the end result is a graduate who will have a wide range of skills and knowledge to offer to prospective employers.

'Likely employers of graduates of this course are financial institutions such as merchant banks, trading banks, insurance companies, government instrumentalities and stockbrokers,' he said.

'Finance careers open to graduates include financial researchers, investment analysts, portfolio managers for trust funds, superannuation funds, insurance companies and finance officers in major corporations.

'This new course comes at a time when the Australian financial system is experiencing rapid change.'

The Bachelor of Mathematics and Finance is so new it is not in the 1994 UAC Information Guide, though the code WIJ is relevant and should be used on the UAC application form, to register a preference for this course.

For further information contact: Dr Graham Williams, Department of Mathematics, phone (042) 21 3853 or fax (042) 21 4845.

University of Wollongong
CONSERVATORIUM OF MUSIC

BHP YOUTH ORCHESTRA

Conductor: David Vance

PRESENTS

JUNIOR PROMS.....

for children 3 to 103 years

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- Audience participation
- Diverse program which includes Surprises, Rainbows and other goodies!
- Floor seating near orchestra limited to 300 - BYO cushions!
- Chair seating also available

Two concerts: 11am and 12.30pm

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for the more 'mature' listeners and music lovers..... featuring:

- Bach - Double Violin Concerto in D major
- Haydn - Surprise Symphony
- Mozart - Aria - Vado, ma dove

and much more

One concert: 3pm

UNION HALL - Wollongong University
Saturday, 4th September 1993

$6 - Adult; $4 - Concession;
$15 - Family ticket (4 members) $2 - each additional child

Tickets available from the Conservatorium Office, *Gleniffer Brae*, Murphys Ave, Gwynneville or at the Door

BOOK EARLY - OUR LAST CONCERTS WERE SOLD OUT!

Enquiries: Wollongong Conservatorium
(042) 28 1122 or (042) 21 3533

Long Gallery

20 August - 12 September: Flowers, Herbs, Human Seat and Animal Breath. **Photographic exhibition** curated by Robyn Goldacre.

16 September - 3 October: **Spirituality and Mother Earth - Women stories**. Pam Johnston – recent paintings and curated works by aboriginal artists.

General

Until 20 August: **Indigeneous Peoples Week Art Exhibition** by Trish Woods, Jeffery Timbery, Kevin Butler, Robert Storm and Coomaditchie Artists Co-op. Bistro Lounge, Union Building 2- 4pm Monday -Friday

29 August: **University Open Day.** Everything is open and everyone is welcome

10 September: **Postgraduate Research Student Open Day**. Union Function Centre

28-30 September: **1993 ANZAAS Congress**. Curtin University, Perth.

Illawarra Committee for Overseas Students events for this year are: 18 September, Blue Mountains; 26 and 27 September, Canberra; 16 October, Sydney Aquarium and harbour cruise; 4 December, Australia's Wonderland. Tickets and details are available from ICOS office, 3rd Floor, Union Retail Centre on Tuesday,

What's On

Wednesday and Friday from 9.30am to 2pm or phone 21 3158.

10 October: **Annual University Service** at 7pm at St John's Anglican Church, Eastern St, Gwynneville

9-10 November: **International Conference on Islamic Banking**, organised by the University's International Business Research Group and sponsored by Al Baraka Investment And Development Co., Jeddah, Saudi Arabia. Venue: The University Centre, Sydney. Enquiries: Dr Nelson Perera, phone 21 4028.

The following **seminars** held jointly by the Department of Sociology and the Research Group Sociological Analysis of Political and Cultural Change: Thursday 2 September, 1.30pm Andrew Cornish, University of Wollongong: Sex and the Single researcher in north-east Thailand. All are to be held in Room 2085, Building 19. Enquiries to Ellie Vasta, ext. 3744.

Considering further study or just some recreational reading? Visit the **Campus Alumni bookshop and gallery book sale** at Campus East, Fairy Meadow. The stock of used books covers: Science & Engineering, Social Sciences, Arts & Music, Education, Fiction & Non-Fiction, Young Readers' Stories & Classics. Open every fourth Saturday and Sunday of the month from 1-5pm, the bookshop is located at Cowper Street, Fairy Meadow (opposite the Science Centre). Your donations of any material are invited. These may be left any weekend afternoon at the Science Centre (Please mark 'Booksale'), or The Library or Students Enquiry Desk during the week.

Animal Experimentation Ethics Committee meeting dates, with agenda deadlines in brackets, are: 22 November (12 November).

Human Experimentation Ethics Committee meeting dates with agenda deadlines in brackets are: 24 August (10 August); 5 October (21 September); 16 November (2 November); 21 December (7 December).

Undergraduate Studies Committee meeting dates, with agenda deadlines in brackets, are: on the following dates: 31 August (17 August); 9 November (26 October). Submission to Trevor James, ext. 4457, by 5pm of deadline date.

Stop Press

STEELERS on Campus

Wednesday 25 August

12 – 2 pm

Representatives from the Steelers Football Club will be outside the Union Shop seeking people to join the Supporters Club.

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Durable Draw String Bag, Shampoo, Conditioner, Bath Gel, Brush-Comb, Tissues, Toothbrush/Soap.

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