

CAMPUS NEWS

Institute will facilitate commercialisation of materials technology



Coordinators of the centres within the Institute, Dr Geoffrey Spinks, Associate Professor Hua Kun Liu, Professor Shi Xue Dou, and Dr Andre Calka

As part of a policy of bringing together the University's particular research strengths, the University of Wollongong launched its fifth research institute on 5 December.

The Institute for Materials Technology and Manufacturing aims to undertake basic and applied research, to maximise the transfer of developments in materials technology into related manufacturing industries and contribute to the training of high quality postgraduate students.

Three research centres at the University will come together to form the Institute:

The Centre for Superconducting and Electronic Materials which investigates the properties, fabrication and application of High Temperature Superconductors. Coordinated by Professor Dou.

The Centre for Advanced Mate-

rials Processing which develops the technologies for improving the processing of materials of relevance to Australian Industry. The aim is to assist manufacturing industries adopt new materials technologies. The centre conducts research into novel material synthesis techniques (including microwave processing and mechano-chemical processing), processing and properties of composite materials, and welding and joining technologies. The work is supported by industry and the Co-operative Research Centre for Welding and Joining. Coordinated by Dr Spinks and Dr Calka.

The Energy Storage Materials Group which develops alloy electrode materials for use as energy storage devices. Coordinated by Associate Professor Liu.

Strong collaboration with compa-

nies has already been established including BHP, Pacific Power, Metal Manufactures Ltd, Hua-Au Batteries Technology Ltd, Au Ling Storage Ltd and the Energy Supply Association of Australia Ltd.

In the area of High Temperature Superconductors, Metal Manufactures Ltd (MM) has initiated a \$6m project to commercialise the technology of manufacturing superconducting wires developed by the Centre for Superconducting and Electronic Materials.

The Energy Storage Materials Group has transferred the sealed battery technology to two companies in China.

The Director of the Institute is a world figure in the area of High Temperature Superconductors, Professor Shi Xue Dou, who joined the University of Wollongong in 1994.



This formidable collection of intrepid riders was one of several groups and individuals from the University that participated in the annual Citibank Cup Sydney to the 'Gong bike ride to raise funds for multiple sclerosis.

This is the fourth time that the enthusiastic team, the 'Supercranks' from Civil and Mining Engineering has made the journey.

The team consisted of Robert Rowland, Noem Gal, Alan Grant, Lyn Middleton, Ian Laird and David Webb

Supercranks do it again

who were part-sponsored by the Department of Civil and Mining Engineering.

They would like to thank all the sponsors for their donations to the MS Foundation and all others who offered their support and assistance.

How about a University of Wollongong team next year?

Three commendations

Healthy Cities Illawarra has commended the University of Wollongong Equal Employment Office (EEO), the Student Representative Council and the Faculty of Creative Arts for projects they have successfully undertaken.

The EEO Unit and the SRC were commended for their AIDS Awareness Week Activities and Creative

Arts received their commendation for their assistance in promoting Aboriginal art.

Representatives from these three areas of the University were presented with certificates at a recent ceremony.

Grants for talented Wollongong artists

The William Fletcher Trust has awarded grants to three students in

the Faculty of Creative Arts.

This trust was established in 1985 to celebrate the life and work of painter and print maker William Fletcher (1924-1983).

One of the objectives of the trust is to assist talented young artists in need of financial support to continue their career in art and design.

The recipients of the awards were Amanda Henriksen, Mary Robinson and Janette Vella.

Reviews of University Union and the Department of Public Health and Nutrition

In accordance with the University's review procedures, the Vice-Chancellor has initiated two reviews – of the University Union and the Department of Public Health and Nutrition.

The Union review will take place in late February or early March, while the Department of Public Health and Nutrition review will be in February.

Submissions to the Review Panel are invited from the campus community.

Submissions for the Union review, which will be treated as confidential, should reach Manager, Academic and Student Services, Peter Wood, no later than 31 January.

The Department of Public Health and Nutrition review submissions should reach Mr Wood by 15 December.

A copy of the procedures is available on the Administration File Server – refer to Section M of the Management Handbook in the 'Public Information - Public' folder.

Bookshop takes a break

The Campus Alumni Bookshop at Campus East, Fairy Meadow is closed until the second weekend in February.

Chapter members wish to thank all those whose support during the year has enabled the Bookshop to fund scholarships and undertake other campus projects.

Donations of your old books of any kind towards 1996 sales are invited and these may be left at the Alumni Office or at the Science Centre, Campus East.

Enquiries: Alumni Office, phone 213 240 or 291 951.



Coordinator Marian Martin and chef Vicki Donovan-Hall cook up a bush tucker feast

If you are like most people and have never had the opportunity to taste samples of bush tucker food, then you should have been at the Aboriginal Education Centre's recent Christmas lunch.

This was the first time they had a Bush Christmas theme, but it proved to be very popular among university staff and students, members of the local community, and children from local schools.

More than 150 people came along to take part in the bush tucker fare which included emu swags, kangaroo kebabs, crocodile rissoles, wattleseed and wild rice chipolata

Taste testing emu swags, crocodile rissoles and 'roo kebabs

sausages, finishing off with cheese-cake topped with macadamia nuts and muntharri berries.

The initiative for the day came from the Aboriginal Education Centre staff and was coordinated by Marian Martin and Lisa Russell.

The tucker was supplied and catered for by Tharawal Land Council, Buxton, who are just starting in the catering business and the lunch was a great success for all concerned.

Due to the inclement weather, the lunch was held in the Keira Cafe which was transformed when the Doonooch Dance Group from Nowra performed items such as the Honey Tree Dance and the Mosquito Dance.

There were also displays of Aboriginal arts and crafts.

It is hoped that the Bush Christmas will become an annual event as it proved to be very popular amongst the University and local community.

National design award for Multimedia Unit

The Interactive Multimedia Production Unit has received a National Serif Merit Award for designing an interactive computer game.

The award was for their Workcover commission 'BackMan!' and was presented to Manager of the Multimedia Unit, Mr Geoff Hamer, at the Workcover Regional Industry Seminar in late November.

The Serif Awards are judged by the Society of Business Communicators of Australia to encourage excellence and innovations in communications.

Developed by Beth Cavallari (designer), Vickie Scholz (programmer) and Adam Orvad (graphic artist) as a joint project with Workcover, BackMan! has become a successful part of Workcover's five-year Backwatch program aimed at slashing the number of costly and debilitating back injuries in the workplace.

The program teaches correct manual handling techniques in a hu-



Bertie Backwatch

morous and entertaining way, and provides the ideal method for dealing with a very serious issue.

Originally designed for children, it requires no reading or writing skills and has been played by thousands of people of all ages.

It also has the potential to be used throughout the world as there is very little English text in the program.

The Backwatch logo, Bertie Backwatch, is the character who car-

ries out manual tasks such as lifting and moving objects in the program.

Workcover's target industries in the Backwatch program are featured in the computer game and include retail, hospital and garbage pick-up settings.

Designer Beth Cavallari said they were approached by Workcover to develop the BackMan! program following the work they have already done on 'Don't kick the tractor!', another interactive program looking at safety in a farm environment.

As an arcade type game, Backman! was first used at the 1995 Easter Show and generated a great deal of interest.

The University has been commissioned to develop another seven BackMan! scenes, placing the character in other industries in which back-related problems are common.

Work has already begun on this and it should be ready for early next year.

Awards for young researcher

Postgraduate student in the Department of Biological Sciences Darren Saunders was recently awarded the prestigious Sydney Protein Group Lorne Travel Scholarship.

This scholarship will assist him to attend the internationally famous annual Lorne Conference on Protein Structure and Function, in February.

Darren is enrolled in a PhD in the department.

His research is concerned with the physiological functions of an enzyme inhibitor known as PAI-2.

This inhibitor is thought to play a role in the control of cell migration (important in pregnancy, cancer, immune and other functions), and programmed cell death (apoptosis).

Darren also won the 1995 fourth quarter award in the St George Youth Endeavour awards recently.

Darren was nominated by his supervisor, Dr Mark Baker, who says Darren has everything it takes to become very successful in the world of science.

Dr Baker said that Darren was awarded one of the highest First Class Honours degrees that the Department of Biological Sciences has ever awarded and the results of his research have recently been accepted for publication by the prestigious journal *Blood*.

Dr Baker said: 'Darren is an excellent student and communicator, a reflective and thorough researcher and a creative and spontaneous individual. He is an exceptionally talented hands-on scientist.'

Darren now goes on to the 1995 St George Youth Endeavour Award Finals with the other quarterly award winners.

The results will be announced on 19 December.

In July Darren hopes to travel to the Howard Hughes Laboratory at the University of Michigan USA and spend six months studying with Dr David Ginsburg, a research leader in the field of plasminogen activation who has invited him to the USA on the basis of the quality of the work he has completed so far.

This trip will provide him with a unique opportunity to gain experience in new research techniques.

However, he needs additional funding to finance this trip.

University Women meeting in March

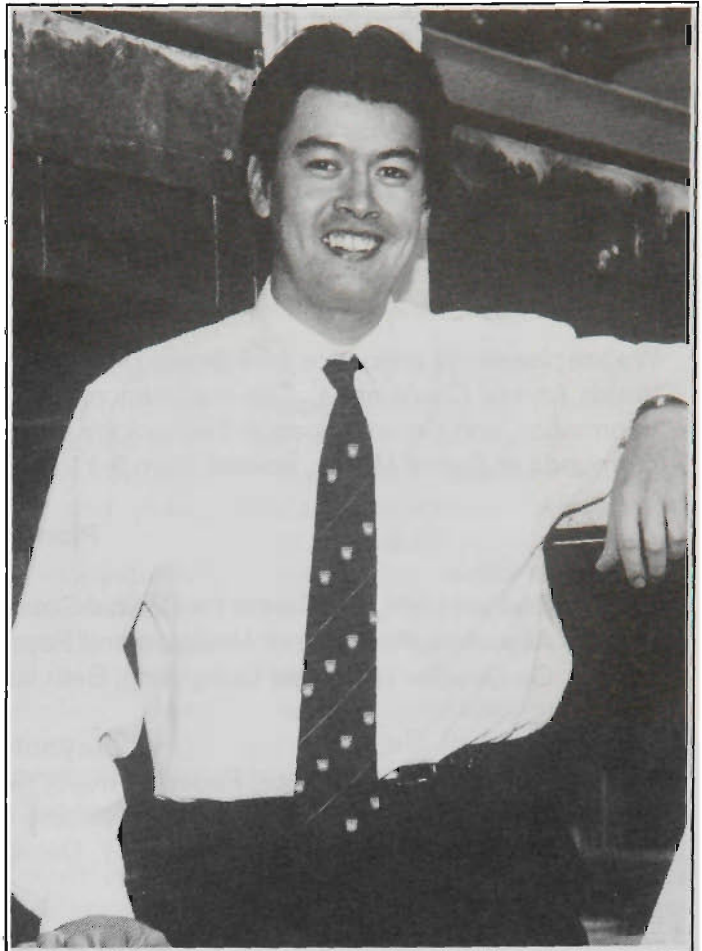
Members of the Illawarra branch of the Australian Federation of University Women (NSW) will meet on Wednesday 6 March at 6.30pm for a meal at Food for Thought, McKinnon Building, University of Wollongong, and then at the Postgraduate Resource Centre, Northfields Avenue, Building 115, at 7.30pm.

The speaker is Dell Brand, who will talk on Evaluation of the wilderness programme for behavioural disordered school students.

Membership of AFUW is open to all women graduates of any university. Enquiries and new members are welcome. Further information is available from Joan Jennings, phone (042) 671 283, and Enid Alcock, phone (042) 288 128.



Environmental Engineering lecturer, Dr Ric Morris



Structural Design Engineer, Dr Brian Uy

Two engineers with vastly different backgrounds have been appointed to the Department of Civil and Mining Engineering.

With 11 years working as an engineer in Antarctica, Dr Carl (Ric) Morris will be lecturing in environmental engineering.

Straight from the completion of the design of the Sydney Harbour Casino, Dr Brian Uy is here to lecture in structural design in concrete and steel.

With the increasing popularity of Environmental Engineering, the need for more staff with specialist backgrounds was realised with Dr Morris' appointment.

Dr Morris comes to Wollongong from the US, where he received his PhD in Civil Engineering in 1994 from the University of New Mexico.

After completing his PhD he taught at the University of New Mexico and conducted post-doctoral research.

His first degree was in geology from the University of California, Berkeley in 1978 and for the next 11 years he worked for the US Antarctic Program as a researcher and engineer in Antarctica.

In 1984 he received a bachelors and masters degree in Cold Regions Engi-

New engineers appointed to Civil and Mining

neering from Dartmouth College.

While studying for his masters degree, he worked as a Graduate Research Assistant for the US Army Cold Regions Research and Engineering Laboratory.

After leaving the Antarctic Program in 1989, he worked for an engineering and construction company in Idaho while teaching mathematics at Boise State University.

In his new position at Wollongong Dr Morris plans to continue his research into alternative landfill covers and begin investigating groundwater contamination at several landfill sites in the Illawarra.

He has already begun working in conjunction with Wollongong City Council at some of these sites.

Dr Uy, who began recently as a lecturer in Civil Engineering, specialises in Structural Engineering and Design.

Dr Uy comes to the University of Wollongong with a considerable

amount of structural design experience.

Most recently he was part of the design team involved with the structural design of the permanent Sydney Harbour Casino.

While undertaking his PhD at UNSW he also worked as a tutor and lecturer.

Dr Uy completed his Bachelors Degree in Civil Engineering at UNSW with first class honours.

He is a committee member for the Illawarra-Sutherland Regional Group of the Institution of Engineers, Australia and is Honorary Treasurer of the NSW Branch of the Institution of Structural Engineers, UK.

Dr Uy is undertaking research into the serviceability, strength and stability of composite steel and concrete structures while also conducting further research on the application of new materials such as high strength steel and high strength concrete in composite steel-concrete construction.

HIANSW'96

FIFTH ANNUAL CONFERENCE

Navigating the Health Informatics Highway

ANNOUNCEMENT OF SPEAKERS

We are pleased to announce the following speakers for the fifth Health Informatics Association of New South Wales Annual Conference. The conference, jointly convened by the Association and the Department of Information and Communication Technology at the University of Wollongong, is to be held in the idyllic surrounds of Berida Manor, Bowral, from 9-11 February 1996.

Plenary Speaker

Dr Warner Slack

- Co-President, the Centre for Clinical Computing, Harvard Medical School
- Associate Professor of Medicine and Psychiatry, Harvard Medical School
- Co-Director of Clinical Computing, Beth Israel, Brigham and Women's Hospitals.

Keynote Speakers

Commissioner Kevin O'Connor, Federal Privacy Commissioner, Australia.

Ms Mettina Pavlakis, Principal Senior Consultant, Oracle Health Systems.

Dr Colin Metz, National Director - Health IT, Deloitte Touche Tohmatsu. His topic is on the area of data warehousing.

PAPER PRESENTATIONS

Paper presentations will be in the following areas: Smart Cards and the Australian Healthcare Industry, Nursing Attitudes Towards Computers, International Statistical Classifications for Diseases and Health Related Problems, Information & Information Flows, The Future of Information Technology in Australian General Practice, Coding for General Medical Practice Records and Information Technology in Nurse Education - just to name a few.

More information will be available on times etc in the draft program which should be available at the end of November.

SPONSORSHIP

We are also pleased to announce that Qantas has been appointed as the official airline for the conference. A special discounted airfare has been negotiated for delegates and their partners flying into Sydney for the conference.

All enquiries regarding this special airfare should be directed to Qantas on Sydney (02) 951 4395 or 1800 650 200 (Australia wide), quoting the following reference number AUSNSW158, and they will be able to assist you with your enquiry.

Other Sponsors include - Information Technology Services at the University of Wollongong, B&H Australia and IBA Healthcare.

STILL IN THE DARK?

If you require anymore information on the conference, please contact the Conference Secretariat, Ms Karen Williams at the IACT Department, University of Wollongong Northfields Avenue, Wollongong NSW 2522. Telephone (042) 213 606. You could also fax enquiries to (042) 214 170.

Last year's papers and this year's Conference Information are available on the World Wide Web:
<http://www.uow.edu.au/public/faculties/informatics/iact/HIANSW'96/hiansw1.html>

REGISTRATION FOR THE CONFERENCE

**CONTACT THE CONFERENCE SECRETARIAT TO RECEIVE YOUR COMPLETE
REGISTRATION KIT**

Funding for the Planetarium

A recent grant of \$200,000 from the Commonwealth Department of Tourism-Regional Development Program NSW 1995-96 (via Tourism Wollongong) will enable an expanded Planetarium and Public Observatory at the University's Science Centre to become a reality.

It will become one of Wollongong's major attractions. Seating will be expanded to 60 and the quality of offerings will be improved.

In the next few months the Centre will be seeking additional sponsorship to bring this dream to reality by the end of 1996.

When the Science Centre first opened five years ago its main exhibition focus was on physics.

This emphasis was largely historical; with the world's hands-on science centres closely following the model created by Frank Oppenheimer, founder of the Exploratorium in San Francisco.

However all science centres are branching out to other areas of science, technology and art and each centre is developing its own unique character.

The aim in Wollongong is to try to represent all aspects of science and technology, from science in the home

to the technologies of our local industries.

Last year, for example, the centre hosted an international conference dealing with chemistry exhibits.

However the long standing interest in astronomy at the University and the difficulty faced by teachers in presenting astronomy to students has encouraged the establishment of an astronomical centre comprising an observatory and planetarium.

Recent market research conducted by the University has shown that this is the second most popular science topic in the minds of the public.

The observatory will show visitors exciting views of the southern sky, including the sun in the daytime and the many features of the heavens at night.

It is believed that many overseas visitors, in particular, will be attracted to Wollongong out of the light pollution of Sydney, in order to experience the unique southern hemisphere views of the sky.

School students will be attracted from across NSW.

The observatory is being created by the Science Centre with the assistance of BHP who will help by rebuilding

the University's largest telescope, specifically for public use.

The planetarium will be an audio-visual journey of fact and fantasy which will entrance visitors of all ages and backgrounds under an artificial sky.

The Zeiss projector is capable of presenting a sky of unsurpassed realism, in either day or night.

Many other projectors will create the artificial scenery, the special effects and the story line.

Even in its present temporary surroundings, the planetarium has become the major attraction of the Centre.

Initially the planetarium and observatory will be located adjacent to the existing Science Centre buildings at Campus East but when the Science Centre acquires a more permanent home they will be relocated into a dedicated place in the new building.

The Director, Glen Moore, said: 'As Australia's only hands-on science centre which is backed by the imagination of a university and now the only one with a modern planetarium, the Science Centre at Wollongong is living up to its vision of being Australia's most innovative.'

National appoints new manager

Mr Shane Garoni has been appointed manager of the University branch of the National Australia Bank.

This follows a move by former manager, Mr Mark Bradley, to take up an appointment as manager of the Carlingford branch in Sydney.

Mr Garoni has been with the bank for 11 years and brings a wealth of experience to the University.

His previous appointment was as personal accounts manager in Victoria's Wodonga branch.

In this new appointment, Mr Garoni is looking forward to continuing the long and successful association the bank has always had with the University.

'The National's philosophy is quite simple - the customer comes first, and the staff at Wollongong University branch are committed to providing excellent customer service,' Mr Garoni said. 'We recognise that customers today demand a high level of convenience, and as a result, we have introduced a range of services tailored to meet their specific needs.'

This branch specialises in providing products and services for the students and staff of the University.

Mr Garoni is looking forward to meeting both the customers of the branch and all the staff of Wollongong University.



Mr Shane Garoni

New high-resolution mass spectrometry facility helps research

A new high-resolution mass spectrometry facility was opened at the University on Friday 8 December by the Chancellor, Dr RM Hope.

The facility, which provides a major new research capability for the region, will be located in the Department of Chemistry at the University of Wollongong and is a shared facility between the universities of Wollongong and Western Sydney.

It will also be of value to government agencies, industry, and other universities.

The new facility is the only one of its kind in Australia and incorporates a revolutionary two-stage design which allows the measurement of small changes in mass (or weight) of large chemicals and biological molecules such as proteins and DNA, even in very complex mixtures.

Furthermore, it will enable masses to be measured with 1000 times the accuracy of existing instruments and will solve problems that previously

could take weeks or months to sort out.

The instrument will be used in a range of research projects at the two universities focused on understanding and treating diseases such as cataract, depression and cancer.

The instrument will be used in a range of research projects at the two universities focused on understanding and treating diseases such as cataract, depression and cancer

In addition, the instrument will aid in the study of industrial processes such as the development of improved paint coatings and industrial catalysts.

The purchase of the instrument (total value \$600,000) was made possible by a Research Infrastructure Equipment and Facilities grant from the Australian Research Council and grants from The University of Wollongong and three campuses of the University of Western Sydney (Macarthur, Nepean and Hawkesbury).

Additional funding was also provided by the Clive and Vera Ramaciotti Foundation and BHP Research.

The Research Infrastructure Grant was coordinated by Dr Margaret Sheil and Professor John Bremner of the Department of Chemistry at Wollongong.

The new facility combined with other spectroscopic and molecular modelling equipment in the Department of Chemistry, provides one of the most powerful facilities for molecular structure determination in Australia and will be a major boost to the University of Wollongong's international reputation in this area.

CAMIA manufacturing research seminar

The University of Wollongong is fortunate to have Professor H J J Kals visit on Friday, 15 December 1995.

He will present a one-hour seminar and be available for discussion with interested staff.

Since 1977 Professor Kals has been full Professor in Production Engineering at the University of Twente and Head of the Department of Production and Design Engineering, as well as, since 1992, Professor of Manufacturing Engineering at the Technical University of Delft.

He has published more than 100 papers on manufacturing engineering and authored/edited five books.

He is a member of CIRP, the prestigious International Institution for Production Engineering Research, and is its Vice-President Elect, meaning he will be President in 1998.

He has been active with many national and international industrial and educational consulting/advisory projects, and is the recipient of many prestigious awards.

His seminar addresses the topic of cooperation between university and industry, and as such is very

relevant to academics and others at this university. Staff and students are welcome.

The presentation starts with a survey of technological research institutes and developments in the funding of technological research in the Netherlands.

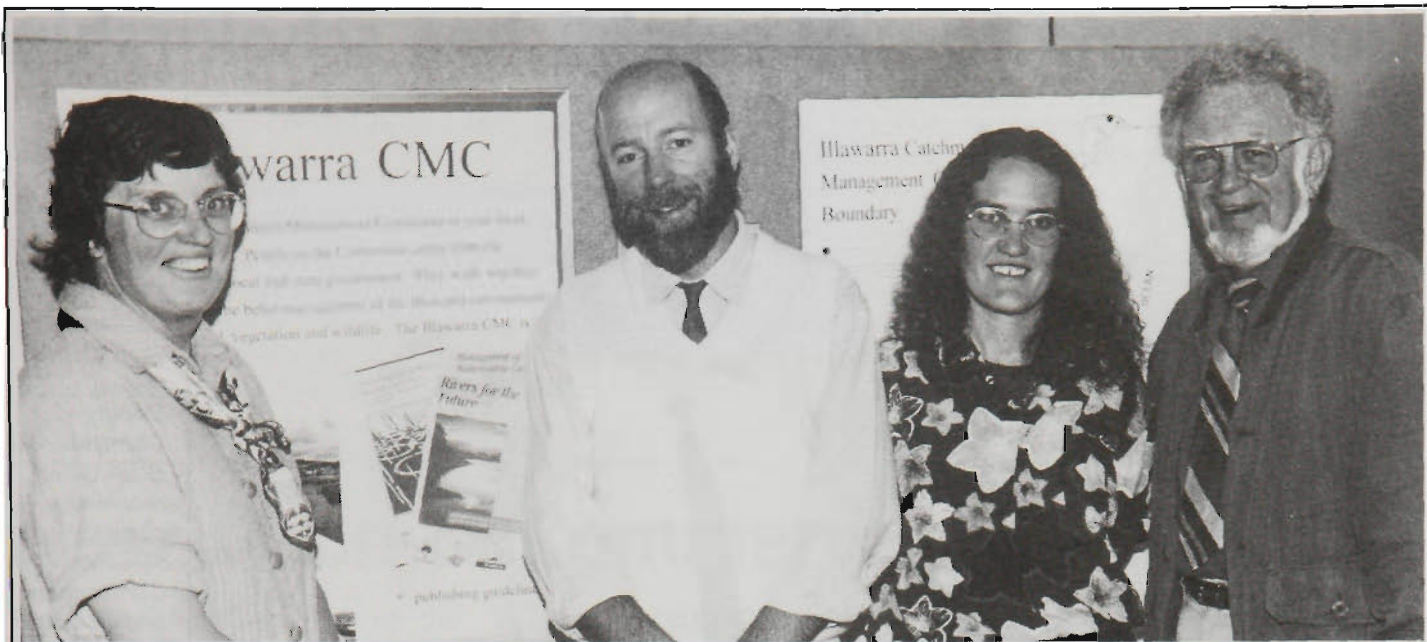
The University of Twente has developed the profile of an 'Entrepreneurial University' and promotes the carrying out of research for industry.

In doing so, the Laboratory of Production and Design Engineering has built up a good reputation.

The ability to carry out research projects for industry is based on the experience and the results of earlier projects which have been financed by the Government, the Dutch Foundation for Technical Sciences, or by the European Union.

A survey of research projects within the Laboratory of Production and Design Engineering is presented, elucidating the developments in research over the last decade and the interest of industry, and the need and facilitating conditions for industry-related research projects are discussed.

Enquiries: Professor Guenter Arndt, ext. 3354.



Representatives from the Illawarra Catchment Management Committee at the launch (from left): Ann Young (School of Geosciences), Chris Chafer (School of Geosciences), Jane Caldwell (ICM), and Bill Mowbray (Chairman, ICM)

Database good news for wetlands

The Illawarra Catchment Management Committee (ICM) in association with the University's School of Geosciences, launched its Illawarra Wetlands project at the University on 23 November.

The protection and improved management of wetlands in the Illawarra is a priority of the Illawarra Catchment Management Committee which has estimated that 50 percent of the area's wetlands have been lost through the development of urban and rural areas.

ICM aims to coordinate the better management of the Illawarra environment including water, land, vegetation and wildlife through such programs as assisting the 23 registered landcare

groups and 19 bushcare groups working throughout the City.

It involves people from the community, local and state governments.

The wetlands project was an Environmental Trust-funded project which involved the establishment, with the assistance of members of staff of the School of Geosciences, of a new environmental database for the Illawarra catchments.

This database has enabled the ICM to identify all the wetlands in the area as a basis to establish a management framework.

The data base can be used to identify which wetlands are protected and those that are eligible for protection.

It can be used as a basis for determining the health of each area and identifying existing threats such as weed invasion, sediment intrusion and rezoning and identify remediation plans. It can also be used to study the impacts of future developments such as urban developments, waste disposal and tourism.

Jane Caldwell, of the ICM committee, appealed to the Illawarra community to get behind the project.

Ideally this database should be freely available to the community but further funding is required so that a project officer can be appointed to keep this resource up-to-date and service community enquiries,' she said.

Landmark for Australian Canadian Studies

Mr Luke McNamara and Dr Gerry Turcotte have produced the final issue for 1995 of Australian-Canadian Studies.

This issue is a landmark of sorts in several ways.

The issue marks more than 11 years of scholarly publication in the humanities and the social sciences.

For another, the current issue was presented to the Canadian Prime Minister, Jean Cretien, during his recent visit to Australia. Finally, it was officially launched at the Canadian Consulate General in Sydney by the new High Commissioner of Canada, Mr Brian Schumacher.

The launch was attended by almost 100 people, including the new Consul General of Canada, Mr Alan Virtue, and members of the Executive of the Association for Canadian Studies in Australia and New Zealand (ACSANZ): President, Associate Professor Don Beer; Vice-President, Dr Gerry Turcotte; and the Secretary/Treasurer, Dr Mark Hutchinson.

Vol. 13, No. 2 of ACS features a forum on 'post-colonialisms' with work by senior authorities in the field including Professor Diana Brydon, author of numerous publications such as

'Decolonising Fictions' (with Helen Tiffin), and Reginald Berry, former president of ACSANZ, now teaching at St Mark's College, University of Toronto.

The issue also covers work on post-colonial drama, a comparison of health care in Canada and Australia, and an important study of Canada's Young Offenders Act by the Chief Judge of the Yukon Territorial Court, Heino Lilles.

The journal's review section continues its analysis of major books in a wide field of interest and showcases significant reviews by well-known writers, diplomats, and academics, including Alison Broinowski, John Borthwick, David Dowling and Gaetano Rando.

The cover features a striking photograph from 'Poor Super Man', by Canada's 'bad boy' of the theatre, Brad Fraser.

Fraser's work has developed a cult following in Australia, and the cover is a still from the Sydney Theatre Company's hit production featuring Claudia Karvan and Paul Bishop.

For more information contact either of the editors: Luke McNamara (Law) or Gerry Turcotte (English).

Wollongong family establishes scholarship



Deputy Chancellor Mr Brian Gillett received a cheque from Mr Chris Cunningham and Dr Frank D'Souza

A short ceremony was held on Friday 1 December by the Office of Development and Community Affairs to formalise the establishment of a scholarship by the Cunningham and D'Souza families.

This scholarship is in memory of Bernard (1905-1989) and Gertrude (1905-1982) Cunningham and Frances

D'Souza (1935-1986).

Bernard and Gertrude Cunningham were gifted teachers. They came to the Illawarra in 1960 when Bernard was appointed principal of Berkeley High School. Gertrude taught at Wollongong High School.

Frances D'Souza was the second of their five children.

Frances postponed her studies at the University of Sydney to help her doctor husband through his internship, but resumed them in 1980 at the University of Wollongong, graduating in Arts and a Diploma of Education.

She was tragically killed in a car accident on Christmas Day 1986.

The surviving children of Bernard and Gertrude Cunningham have chosen to endow this scholarship to the University of Wollongong to remember their parents and sister.

One of the members of the family, Chris Cunningham, said 'This scholarship is in memory of three wonderful human beings and educators.

'In a way the scholarship is a tribute also to a generation of people who made this country the great and tolerant place that it is.

'They were not the famous people, the literati, the people in the lime-light, the people in high places making the big decisions.

'They were the generation that cared, not only for their own, but for other people's children.

'They were dedicated to their learning and to creating from it a better world.

'We trust that their work will live on through the young people who will be assisted by this scholarship.'

This scholarship is the first perpetual scholarship endowed by a family with strong Wollongong roots.

It will benefit a student undertaking an honours year in the area of History, Education or English.



CENTRE FOR SUPERCONDUCTING & ELECTRONIC MATERIALS

Several Supplementary Scholarships are currently available in the areas of Superconductivity and Energy Storage Materials at the CSEM.

The Scholarships available are valued up to \$10,000 per annum.

Applicants must have been awarded an Australian Postgraduate Award (APA) to be eligible for a CSEM supplementary scholarship.

Please address all enquiries and applications to:
Professor SX Dou
Centre for Superconductivity & Electronic Materials
Department of Materials Engineering
University of Wollongong

Telephone: (042) 21 4558

Fax: (042) 21 4577

Email: s.dou@uow.edu.au

Poetry prize to Wollongong student

The winner of the Philip Larkin Poetry Prize was announced recently.

The winning poem was 'Still Breathing' by Jenny Crawford, a University of Wollongong student.

The award is given for the best poem written by a student taking a writing subject in a given year.

Of this poem, the judges, Sydney poets Amanda Stewart and Pamela Brown, said: 'It addresses formal elements of poetics in a considered and consistent way.'

'Not only does the poem use graphic and textural technique to elucidate its idea, but it also speaks — that is, it has a strong sense of its own sonority which is reflected in this written form.'

'It integrates two voices of varying tones to produce a well thought through schema of innovation.'

Commendations went to three other Faculty of Creative Arts students: 'Miss Hillcrest' by Tammy Lazaroff; '1995' by Jeff Chang; and 'Before Entering the Bridal Chamber' by Vanessa Badham.

New Dean of Commerce on the job

Professor Gill Palmer took up the position of Dean, Faculty of Commerce last month.

She was appointed to replace Tom Parry, who resigned to take up the position of Chair of the NSW Government Pricing Tribunal.

Professor Palmer was previously Professor, and Head of the Department of Management at this University, a position she had held since 1992.

Before coming to Wollongong, Professor Palmer was the Foundation Director of the Key Centre in Strategic

Management at the Queensland University of Technology and Foundation Professor of Human Resource Management and Labour Relations.

She had also held the positions of Deputy Head and Research Director, School of Management at that University and positions at Melbourne University, Queensland University, the City Business School in London, and in the '70s, was a Senior Industrial Relations Officer with the Commission on Industrial Relations in London.

Her research interests include the

implementation of Total Quality Management in Australia, the impact of cultural assumptions on managerial decision making, employment relations and Australian Human Resource Management.

Her Doctor of Philosophy thesis was an analysis of the British Government policy for industrial reform and was titled 'The Commission on Industrial Relations and Voluntary Procedural Reform'.

It was awarded in 1984 from the City University Business School, London.

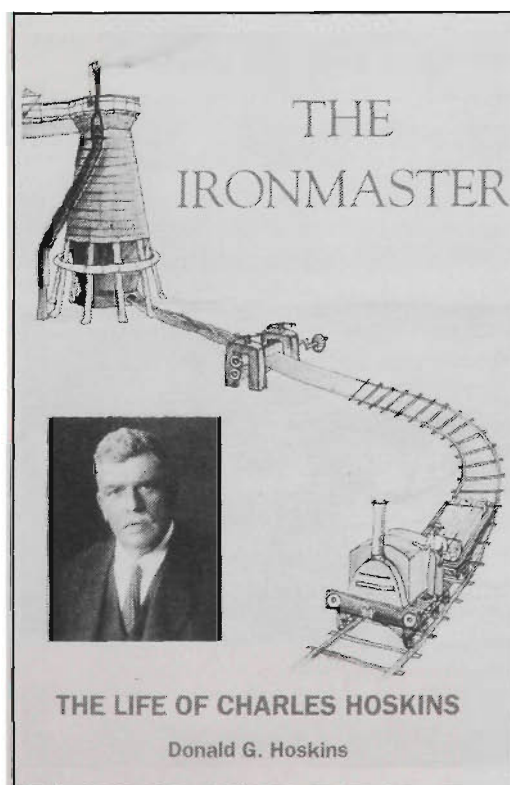
University publishes Hoskins family history

The latest book published by the University of Wollongong Press is a fascinating story that traces the growth of the Hoskins family business to a pre-eminent position in the Australian economy as Hoskins Iron and Steel/Australian Iron and Steel.

The Ironmaster—the life of Charles Hoskins is a biography written by Charles' grandson Donald Hoskins who, with his brother Ken, worked at the steelworks in the 1930s.

Based on original family history, social and business documents and accounts, *The Ironmaster* is an important contribution to Australian business history, with particular relevance to the Illawarra region.

Port Kembla Steelworks Group General Manager, Mr Paul Jeans, officially launched *The Ironmaster* at the steelworks on 6 December.



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ADMINISTRATION



THE UNIVERSITY OF
NEW SOUTH WALES

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Grant to present energy course in Ethiopia

Mr Adrian Hutton of the School of Geosciences has received a grant of \$18,000 to present two 10-day courses on coal, oil shale and petroleum source rock exploration in Addis Ababa, Ethiopia.

The application was submitted through the Illawarra Technology Corporation and will be administered by the Manager of the International Projects Development Unit, Ms Kaye Cox.

The grant is funded by the Australian International Development Assistance Bureau (AusAID) with a contribution from the Ethiopian Institute of Geological Surveys, Ministry of Mines and Energy, Ethiopia.

The main objectives of the short courses are to provide background education and training in coal, oil shale and petroleum source rock exploration techniques, organic petrography, analytical techniques for coal and oil assessment and geophysical techniques to staff of the Ministry of Mines.

Ethiopia, as a developing country, requires energy to develop industries and to increase the standard of living.

Until now, there have been no indigenous commercial forms of energy and the population is largely dependent on imported oil, the cost of which accounts for more than 50 percent of the nation's import costs.

All industrial transport and commercial sectors use oil.

With regard to domestic energy sources, wood had been used as the principal energy source for the greater part of the country and even at present, a large segment of the urban and rural populations still use wood and dried animal dung as the primary source of

domestic energy.

Statistics show that 70 years ago, forests covered 40 percent of the land, 30 years ago this had fallen to 12 percent and today only 4 percent of the land is covered with forests.

The need for fuel is the major contributor to deforestation and is on such a large scale that if this trend for the destruction of the forests to provide vital energy needs continues, Ethiopia will have no forested land within a decade, and possibly sooner.

Deforestation for energy is occurring at a higher rate than deforestation due to crop failure and drought.

From this background information, and also from a perspective of making Ethiopia more self-sufficient in energy, a great deal of effort is being spent by the Federal Republic Government of Ethiopia to explore and develop indigenous solid fuels.

In addition, a clean coal and/or oil shale industry will drastically reduce Ethiopia's share of world pollution.

Since the secession of Eritrea from Ethiopia, both countries have an unparalleled need (but few skilled personnel with the requisite technical and economic background) to develop their geological resources.

Developed Western countries apart from Japan, which has been the one exception, have attained their developed nation status and standard of living through exploitation of natural resources, particularly fossil fuel energy resources such as coal and petroleum. Australia and Indonesia are prime examples.

The courses is being held in Addis Ababa, Ethiopia, until 22 December. Forty participants are attending the courses.

Increase in applications to Wollongong

In spite of a drop of around 5 percent in the numbers of NSW school leavers applying to university this year, the University of Wollongong is one of the few universities that has received an increase in applications.

The most significant figure is an 8 percent increase in the numbers of school leaver first preferences.

There has also been a 14 percent increase in school leaver applications from Sydney residents.

Vice-Chancellor Professor Gerard Sutton said: 'It must be realised that we now have to convert these applications into enrolments in January.

'We must ensure that information for prospective students is freely available in an efficient and friendly manner; particularly during the week 8-12 January when HSC students have received their results and are able to change their preferences.

'All faculties must ensure that they have at least one well informed person available during that period to handle enquiries.'

From 8-12 January, the University will be offering prospective students the opportunity to tour the campus and and talk to course advisers.

Bookings are essential so that small groups can be arranged. Phone 1800 065906.

An information centre will also be operating on Thursday 11 January in the foyer of Building 67. Call in anytime between 3-8pm.

Stop Press

This is the final edition of Campus News for 1995. Merry Christmas and best wishes,
Gillian Curtis

Campus News is published weekly on Wednesdays. Send material, preferably by Microsoft Mail or on disk, to E-Mail account 'Campus News' by noon on Monday of the week before that of publication.

For any other enquiries contact the Editor, Gillian Curtis (042) 21 3926.

Campus News has a circulation of 3000. It is distributed on campus to staff and students. 1000 are mailed to the community and overseas including schools in Illawarra, southern Sydney and Canberra; local, Sydney and Canberra media; Friends of the University; business representatives; MPs and numerous individual requests.