

CAMPUS NEWS



From left: (Front) Fiona Walters, William Pitt, Assistant Director, International Office, Peter Ball, Holly Davies, Tatum Bradley. (Back) Damon McVicar, Michael Phillips, Kane Organ and Pierre Huetter.

Study abroad opportunities expanded

The University's Student Exchange Program provides opportunities for students to study at some of the finest universities in the world.

Through this program students complete part of their study overseas and this counts towards a University of Wollongong degree.

Both undergraduate and postgraduate students may apply.

The period of exchange may be for either one or two sessions. Students are encouraged to go for two sessions if possible and some overseas universities prefer a full year exchange.

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New Dean of Engineering

Former Head of the Gippsland School of Engineering at Monash University, Professor Brendon Parker, has been appointed Dean of the Faculty of Engineering at the University of Wollongong and will begin duties in March.

Professor Parker started his career as a trainee metallurgist in the Steelworks of Stewarts and Lloyds Ltd (UK).

He moved to Australia in 1967 and took up the position as lecturer in Physical Metallurgy at the South Australian Institute of Technology.

He was appointed to Monash University in 1969 and was a founding member of the Department of Materials Engineering and did much to establish the experimental facilities in that department.

At Gippsland he has played a major role in important initiatives, including the development of methodologies for the delivery of engineering courses by distance education, the development of a team management structure and the establishment of Gippsland International Ltd on which he served as a director and deputy chairman of the board.

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Professor Brendon Parker

Study abroad opportunities expanded

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To find out more, attend one of the information sessions advertised on page four of this edition of Campus News or visit the Study Abroad Office in the Administration Building (behind the Cashier's Office).

Following a new agreement with The Council on International Educational Exchange (CIEE), there are now more opportunities for Wollongong students to go on exchange to places where the university does not have direct exchanges.

Two of the first students to take up this opportunity are Fiona Walters, who is going to France and Spain, and Pierre Huetter, who will study in Indonesia.

CIEE is a US-based organisation with university program sites throughout the world and facilitates Study Abroad for US students.

In 1995 Wollongong became one of the CIEE Australian program sites.

This agreement opens up overseas programs in North America, Europe and Asia.

With a love for languages, Fiona is the ideal exchange student.

She has just completed her first year of Bachelor of Arts majoring in Japanese and also takes some Spanish.

Fiona's year abroad will be split with six months at the University of Alicante, France and then six months

at the University of Seville, Spain.

Fiona lives in Cronulla and commutes to University each day on the bus service from Sutherland which, she says, she would be lost without.

Pierre, a Bachelor of Arts (Politics) Honours student, will be spending six months in Indonesia at the Indonesia Teacher Training Institute (IKIP) in Malang.

He hopes this exchange will help with his thesis on Indonesia-Australia relations which he will undertake when he returns.

Originally from Chatswood, Sydney, Pierre said he is having a great time in Wollongong and that he is really looking forward to spending six months in Indonesia for language learning.

Fiona and Pierre have been awarded scholarships to go on exchange along with 12 other students.

Fifty-one Wollongong students will be going on exchange in Autumn Session 1996 to universities in North America, Europe and Asia.

Scholarship winners going to Indiana University, Bloomington are Tatum Bradley, Holly Davies and Damon McVicar; to University of North Carolina, Chapel Hill, Michael Phillips, Sandy Alchi, Jean Fitzpatrick, Kane Organ and Kathleen Callaghan; to University of Illinois, Urbana-Champaign, Jonathon Dalton and

Peter Siminski; to University of Massachusetts, Amherst, Jo Coghlan; and to University of Kansas, Lawrence, William Pitt.

New Dean of Engineering

From page one

He initiated a major course review at Monash with the aim of making the early years more attractive to students and making better use of resources.

His research interests have an orientation to the needs of industry, particularly his work on the effect of processing variables on the structure and property of alloys.

He makes a point of spending some or all of his study leave in industry.

He has undertaken consultancies for many major companies including Alcoa (USA), Snowy Mountains Engineering corporation, Comalco and the Ford Motor Company.

The Vice-Chancellor, Professor Gerard Sutton, welcomed his appointment.

'Professor Parker is a visionary in the engineering profession,' he said, 'and an appropriate person to lead engineering at the University of Wollongong into the 21st century.'

Make new friends from overseas

In Autumn Session students from all over the world will come to study at the University of Wollongong.

They come from the US, Canada, India, China, Sweden, Indonesia, the Pacific Islands and Nigeria.

You could become a 'host' of one of these students through the International Friendship Program (IFP).

The IFP promotes cultural exchange between members of the community and international students.

The aim is to provide students with a friendly contact while they are in Australia and to broaden their cultural experiences while studying at this University.

Through the IFP, participants are linked with one or two students and encouraged to meet them two or three

times during the session for a simple activity such as a picnic, a home-cooked meal or sightseeing.

Participation is not restricted to any particular group. Staff, students, individuals and families are all invited to become 'hosts'.

Local participants have found the experience of friendly contact with an overseas student very rewarding.

If you are learning a foreign language, have travelled overseas, or intend to travel, this is a good way to learn first-hand about a particular country, culture and language and to develop a friendship at the same time.

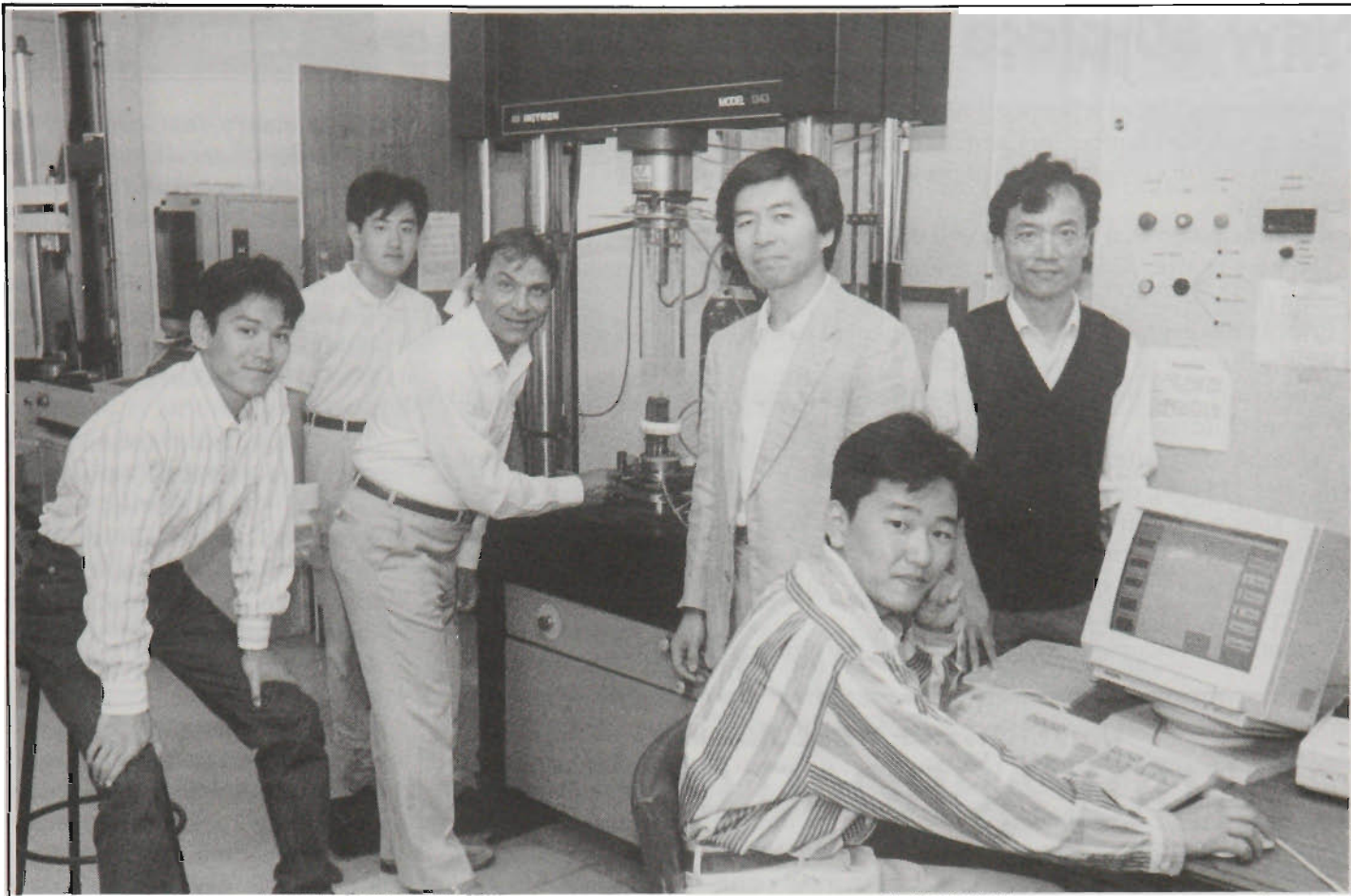
If you are interested in participating contact Denise Hull, International Office on ext. 3173.

Premier spot for radio drama

A radio drama written by Gerry Turcotte in the Department of English for the ABC was used to open the new season of Books and Writing on Radio National on February 2 and 4.

The 50-minute program was entitled 'Freak Female Property: in Search of Eliza Fraser', and featured interviews with composer Peter Sculthorpe, John Mulvaney, Kay Schaffer, Barbara Blackman, Butjala artist Fiona Foley and Butjala elder Olga Miller.

It also featured dramatic readings and re-enactments, excerpts from Noh drama and from Peter Sculthorpe's work 'Eliza Fraser Sings'.



From left: Takehiro Kishi, Nobumasa Naitou, Professor Tara Chandra, Professor Hiroshi Asanuma, Kentarou Ichikawa and Dr Dake Yu in the high temperature testing lab.

The Department of Materials Engineering is fortunate to have with them Professor Hiroshi Asanuma from Chiba University, Japan.

Professor Asanuma is on sabbatical leave from the Department of Mechanical Engineering at Chiba, one of the oldest educational institutions in Japan.

His research in the area of processing of smart materials (a new generation of advanced materials) has kept him in touch with Professor Tara Chandra of Materials Engineering since 1991 and they have carried out joint research work in the area of composites.

Professor Asanuma first came to

Engineering Research between Wollongong and Japan

the University of Wollongong in 1993 and was impressed with the high temperature testing facility of Professor Chandra's research group.

During a visit to Tokyo in 1994, Professor Asanuma approached the previous Vice-Chancellor, Professor Ken McKinnon, and expressed his desire to collaborate with Professor Chandra and Wollongong University.

Professor McKinnon encouraged Professor Asanuma and his students to come to this university.

Professor Asanuma is now involved in research work on advanced composites and smart materials with Professor Chandra and Dr Dake Yu, a research fellow in Professor Chandra's group.

Five of Professor Asanuma's postgraduate students from Chiba are also visiting the Department of Materials Engineering and are working on different aspects of materials processing.

Professor Asanuma said future collaboration between Chiba and Wollongong will not only be confined to Materials Engineering, but will also involve other disciplines and faculties. Pro Vice-Chancellor (Research), Professor Bill Lovegrove, has welcomed such a collaboration between Professors Chandra and Asanuma and their research groups.

Professor Asanuma has invited Dr Chandra to spend a few months next year at Chiba under a bilateral agreement to be signed between two institutions later this year.

New Director for EEO

Dr Christine Hayward has been appointed Director of the Equal Employment Opportunity Unit.

Currently, she is a full-time member of the Refugee Review Tribunal and an adjudicator for Disciplinary and Promotional Appeals NSW Local Government.

Her qualifications include a Doctor of Juridical Science from the University of Sydney Law Faculty, a Bachelor of Arts from Macquarie University and a postgraduate Diploma in Administration from the University of Western Sydney.

Dr Hayward will begin duties in March.

New 60-place childcare centre

The University Union will open a new 60-place long day care centre later this year. Last month the Member for Cunningham, Mr Stephen Martin, announced that the Commonwealth Government will provide an interest-free loan of \$360,000 for the new centre.

It is anticipated that the centre will open in July or August.

The new centre, Kids Uni South, will be located next to the existing Childcare Centre (K.U. North).

Priority has been given to the development of new places for 0-2 years age group, which is the area of highest demand.

When fully operational, the centre will provide care for up to 30 0-2 years and 30 2-5 years children.

With the completion of the new centre, the University Union Childcare Services will offer 118 long day care places.

The Union also offers family day care places both through its own scheme and through the Northern Illawarra Family Day Care scheme.

Staff and students of the University who anticipate needing childcare should register at Kids' Uni, phone: 213 072.

Parents are welcome to visit and inspect the childcare facilities.

Council News

At Council's first meeting for 1996, the Chancellor welcomed the newly elected and re-elected members: Ms Kerrie Christian and Mr John Steinke (Convocation members); Ms Jo Kowalczyk (Student member); Ms Ann Hodgkinson (Academic Staff); Ms Felicity McGregor (General Staff).

He also thanked the outgoing members – Mr Paul Jeans (Ministerial Appointee); Rev Raymond Heslehurst and Dr Winifred Ward (Convocation members) and Mr Neil Trivett (Student member) – for their services to Council and the University.

At the meeting, Council:

- approved a revised Policy on Public Statements by Members of the University Staff, as recommended by the Academic Senate. The policy will be made widely available. Contact : Kim Roser, ext. 4136;

- approved honorary awards to be conferred at the May Graduation Ceremonies (details to be announced in a future addition of Campus News);

- discussed a Council response to the recommendations of the Hoare Committee on Higher Education Management in Australia, and the section on University governance in particular. Council supported the current size and representative nature of this University's Council;

- discussed review procedures for major non-academic units and referred them to the senior officers concerned for comment;

- appointed Council nominees to the Review Committees for the Department of Public Health and Nutrition and the Faculty of Creative Arts and to the Board of the Alumni Association and the Library Committee;

- discussed 1995 enrolment patterns; industrial matters and developments on the federal scene;

- noted that the University would be holding a graduation ceremony at its Dubai Campus on 6 April 1996.

UNIVERSITY OF WOLLONGONG STUDY ABROAD OFFICE

AUTUMN SESSION 1996

STUDENT EXCHANGE PROGRAM INFORMATION SESSIONS

The following information sessions for students interested in the Student Exchange Program will take place at 12.30-1.30pm in the Communications Centre, Building 20, Lecture Theatre 4.

Wednesday 28 February 1996 University of California, USA; California State University, Long Beach, USA; Humboldt State University, USA; University of Illinois, Urbana-Champaign, USA; University of Colorado, Boulder, USA.

Tuesday 5 March 1996 University of Massachusetts, Amherst, USA; University of Miami, USA; University of Nebraska, Lincoln, USA; Montana State University, Bozeman, USA.

Thursday 7 March 1996 University of Exeter, UK; Université d'Orléans, France; Uppsala University, Sweden; Politecnico di Milano, Italy

Friday 8 March 1996 Council on International Education Exchange programs:- Argentina, Chile, Belgium, The Netherlands, Spain, Indonesia, Japan, Vietnam
Monday 11 March 1996 University of Alberta, Edmonton, Canada; University of Kansas, Lawrence, USA; University of North Carolina, Chapel Hill, USA; Indiana University, Bloomington, USA

Each session will include general information about the Student Exchange Program together with specific information on the universities covered in the particular session. Wollongong students who have been on exchange and exchange students from these institutions currently studying at Wollongong will be available to provide information and answer questions.

Enquiries about the Student Exchange Program should be directed to the Study Abroad Office, Ground Floor, Administration Building, telephone: (042) 213 170. Opening hours: 9am - 5pm Monday to Friday.

A street directory for the human brain

Professor George Paxinos (University of NSW) and Dr Xu-Feng Huang (University of Wollongong) have published a landmark book on the structure of the human brain stem.

This is the most detailed atlas of the human brain stem ever produced, and it brings our understanding of the human brain to the same level as that of the rat, by far the most thoroughly studied species in neuroscience.

Professor Paxinos is already the co-author of the best known laboratory brain atlas in the world – Paxinos and Watson 'The Rat Brain in Stereotaxic Coordinates'.

This was first published in 1992 with another University of Wollongong researcher Professor Charles Watson.

The rat brain atlas has become the second most cited book in all of science.

Asked about the possible use of their human brain stem atlas in theory

and practice, Dr Paxinos said: 'As a street directory is to a tourist, a map of the human brain stem is a fundamental guide to those interested in this region's functions and dysfunctions.'

'The human brain stem contains the neurons that connect to the cerebral cortex and provide it with neurotransmitters such as dopamine, noradrenaline and serotonin.'

He said these chemicals are required for motor, cognitive and emotional functions and their absence results in diseases such as Parkinson's Disease, depression and thought disorders.

'The neurologist, psychiatrist and psychologist will now be able to compare directly tissues obtained from their pathological cases with the normal brain presented in the atlas,' Dr Paxinos said.

Dr Paxinos believes that many areas of the human brain stem are very similar to those found in the rat brain.

'The great surprise for us in this

study has been the high levels of similarity between rat and human brains, with 95 percent of structures present in the rat brain stem also present in the human brain stem.'

Dr Paxinos said that this is a far greater degree of similarity than was previously anticipated.

Dr Paxinos was educated at The University of California, Berkeley, McGill University, and Yale University before migrating to Australia in 1973, where he has been involved in neuroscience and environmental causes.

Dr Huang is a medical graduate from China who migrated to Australia five years ago.

Since then he has received a PhD from the University of NSW, and has reached some prominence in the field of neuroscience.

He was appointed to an academic position at the University of Wollongong in 1995.

Father of Manufacturing Engineering comes to Wollongong

Professor Robert Brown from Avenel in Victoria has been appointed as an Honorary Professorial Fellow of the University until 31 December.

Often referred to as 'the father of manufacturing engineering in Australia', Professor Brown has had an illustrious career including 23 years in academia.

He undertook his Master of Science degree at Massachusetts Institute of Technology, USA and his Doctor of Engineering at Monash University.

For 20 years his research has centred around plasticity theory, particularly metal cutting and shaping, friction and wear.

From this, an interest in manufacturing innovation grew.

Last year he was awarded the AGM Michell Award for outstanding service in the profession of Mechanical Engineering.

After holding various positions at the universities of Melbourne, Monash and Western Australia, he went to CSIRO in 1980 as the Foundation Chief of the Manufacturing Technology Division.

After 10 years there he spent one year as Executive Director of the CRC for Intelligent Manufacturing Systems and Technologies.

He was replaced at CSIRO by the University of Wollongong's current Deputy Vice-Chancellor, Professor Peter Robinson.

In 1990 he was made a Member of the Order of Australia (AM) and he is involved in consulting to industry, government bodies and research groups on



Honorary Professorial Fellow, Robert Brown

manufacturing and is a part-time editorial adviser and feature writer for the magazine *Metal*.

He is a fellow of the Australian Academy of Technological Sciences and Engineering, a Fellow of the Institution of Engineers (Australia) and an Honorary Fellow of the Society of Manufacturing Engineers (USA).

Now officially retired, Professor Brown describes himself as a farmer, but keeps himself busy consulting on strategic and manufacturing issues in Australia and overseas.

As an Honorary Fellow his work will include providing advice on standards of manufacturing teaching and research, curriculum development, planning of manufacturing activities at the University, and occasional lecturing and seminar work.

He will also be undertaking collaborative research for the Intelligent Manufacturing Systems Program.

Prestigious prize to Creative Arts lecturer

Wollongong-based poet, performance artist and lecturer in the Faculty of Creative Arts, Dr Merlinda Bobis, has won one of the nation's largest and most prestigious prizes for writers of radio drama, the Ian Reed Foundation Prize.

ABC Managing Director, Brian Johns, awarded the prize on 18 January to Dr Bobis for her outstanding play, *Rita's Lullaby*.

The prize is offered by the Ian Reed Foundation, through ABC radio, to encourage aspiring writers of Australian Radio drama.

The foundation was established through a substantial trust left by prominent radio writer in the 1970s, Ian Reed.

The prize includes \$7000 in cash, \$3000 in broadcast fees and guaranteed production by ABC Radio.

Entrants were asked to address the prize theme of 'Oceania and Asia' in the form of a one-hour play.

Rita's Lullaby is a protest against war. It is a poetic evocation of the lives of a 13-year-old prostitute and a 12-year-old pickpocket, separated from their parents who disappeared during the militarisation of the Philippines under Corazon Aquino.

They meet in a children's playground where they discuss present survival strategies and recall past horrors.

They dream and wait, as always for



Merlinda Bobis

their parents who were 'picked up' by the military but promised to return.

The award judges said: '*Rita's Lullaby* stood out from the other entries for its emotional immediacy, its power to evoke an extraordinary world and make us know that we are part of that world'.

'It is a poignant poem, a dramatic song both terrible and beautiful,' they said.

Dr Bobis has taught literature, English, arts and writing in the Philippines and Australia for 12 years.

She earned the highest honours for a Bachelor of Arts and Master of Arts in Literature in the Philippines and came to Wollongong to accept a scholarship with the Faculty of Creative Arts. She completed a Doctorate of Creative Arts with a performance epic

poem, *Cantata of the Warrior Woman Daragang Magayon*, a book in Filipino and English, and a thesis which engages the issues of feminism, bilingualism, performance and post-coloniality.

Dr Bobis has received many awards for her work, including the Carlos Palanca Memorial Award, one of the most significant awards in literature in the Philippines.

What every postgraduate student should know

The popular seminars and workshops run by the Postgraduate Resource Unit will continue this year.

They are held every second Wednesday during Autumn and Spring session.

Topics include: Basic Computer Literacy, Thesis Writing, Supervision, Getting Published, Presentation Skills, Intellectual Property, Statistics, CV Writing and Stress Management.

All suggestions for additional seminars/workshops will be welcome.

The Postgraduate Resource Unit offers postgraduates the following facilities: large quiet study room; TV and VCR; free tea and coffee; photocopier; printer; scanner (Mac only); small computer room with IBM-compatible and Macintosh computers (to be updated in February).

Contact Derek Hanley, ext 3326, or call into the Unit at 49 Northfields Avenue.

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THEATRE SOUTH

Australia Day honours for talented sportsman

A Technical Officer in the Bulk Materials Handling Lab, Ian Frew, was recently awarded the Shellharbour City Council Australia Day Sports Award for 1996.

Ian has been at the university for six and a half years and is a well-respected staff member.

This respect is also felt by people who interact with Ian in the sport of hockey.

He demonstrates the enthusiasm and dedication of a true sportsman both on and off the field.

Ian's talents in hockey took him to Darwin in early February as goalkeeper for the NSW indoor hockey team.

He is going to Dunedin, New Zealand this month with the Australian indoor hockey team to play against New Zealand. This is the first time he has represented Australia.

Since 1986, Ian has represented the Illawarra in the senior team apart from

one year when he played with Sydney University in the first grade Premier League.

Ian is a representative for the Illawarra senior team, South Zone team and the Illawarra, NSW and Australian indoor teams.

He started playing hockey with Albion Park RSL at the age of 11 and he is now the first grade goalkeeper for the Oak Flats Lakers Hockey Club.

Although Ian is a heavily committed player, he is also a strong supporter in the coaching field.

Ian gained his Level One coaching certificate in 1994 and has coached the Oak Flats Lakers for the last four years.

He coaches the South Coast women's representative team for the State championship and is the women's indoor coach for goalkeepers.

He is also the Oak Flats Lakers and Illawarra Indoor publicity officer, selector for the Illawarra outdoor team and selector for the NSW under-19s



Ian Frew

and under-17s indoor representative teams at the 1995 State Championship and the 1996 Australian championship

What's On

General

Meeting dates for the Human Research Ethics Committee and the Animal Ethics Committee for this year are: Human Research Ethics Committee: 20 February, 19 March, 23 April, 21 May, 23 July, 20 August, 22 October, 19 November, 17 December. Animal Ethics Committee: 21 February, 22 May, 21 August, 20 November. Agenda items are due two weeks before meetings. Enquiries Karen McRae, Office of Research, by email or on ext. 4457 on Tuesday, Wednesday or Thursday.

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 3500. 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.

Choosing the sport that suits you best

A \$30,000 research grant from the Australian Sports Commission Board has been presented to researchers from the Faculty of Education.

Mr Gregg Rowland, Dr Wilma Vialle, Dr Paul Webb, Mr Gary Wilsmore and Dr Jan Wright received the funding for their research project 'An Investigation of the Effectiveness of the Sport Search Program in Promoting the Participation of Students in a Broad Range of Sports' under the 1996 Applied Sports Research Program (ASRP).

Developed by the Australian Sports Commission, Sport Search is an interactive computer package that enables young people to match their physical attributes and sport preferences with potential sport suitability.

Mr Wilsmore said that Sport Search is a unique and innovative approach to helping people aged 11-15 to make informed decisions about sports that interest and suit them. It involves tests to assess the sports that would most suit the individual fitness profile of children in the age group.

Eighty sports are included in the program and the search lists the top 10 sports for each individual.

It aims to increase participation levels by targeting specific groups of people.

These include the physical underachiever, those people who are uninterested in sport, the undecided and those who know their sport but who may be looking for alternatives.

The three-year funded research project will look at the continued use of the program in schools and sporting clubs Australia-wide.

The specific aims of the research are:

1. to investigate how Sport Search is being used in the schools who have purchased the program;
2. to identify the processes being used by schools in linking students with community sport organisations with a view to describing the most effective practices;
3. to analyse the factors that contribute to student's continuing involvement in the sports they have chosen following their exposure to Sport Search;
4. to examine the outcomes in terms of ongoing participation for students who have chosen sports as a result of their involvement in Sport Search.

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