

CAMPUS NEWS

SCA becomes Faculty of Creative Arts

From January 1 the School of Creative Arts became the Faculty of Creative Arts.

The School of Creative Arts grew from the Centre for the Arts which was founded in 1981 in the former Institute of Education.

One of the major players in the establishment of this Centre, Peter Shepherd, is still playing a pivotal role in the faculty.

Head of the Centre was Rodney Hollands. He was followed by Professor Edward Cowie, who became Head, School of Creative Arts.

Professor Barry Conyngham was appointed after Professor Cowie's move to James Cook University.

Professor Conyngham has recently been appointed Vice-Chancellor, Southern Cross University and the position of Dean of the new Faculty has been advertised.

The first course offered was the Associate Diploma in the Arts, which was set up as a multi-arts course with major studies in Performance (Music Performance, Music-Theatre, Acting and Production) and Visual Arts (Painting, Textiles, Ceramics).

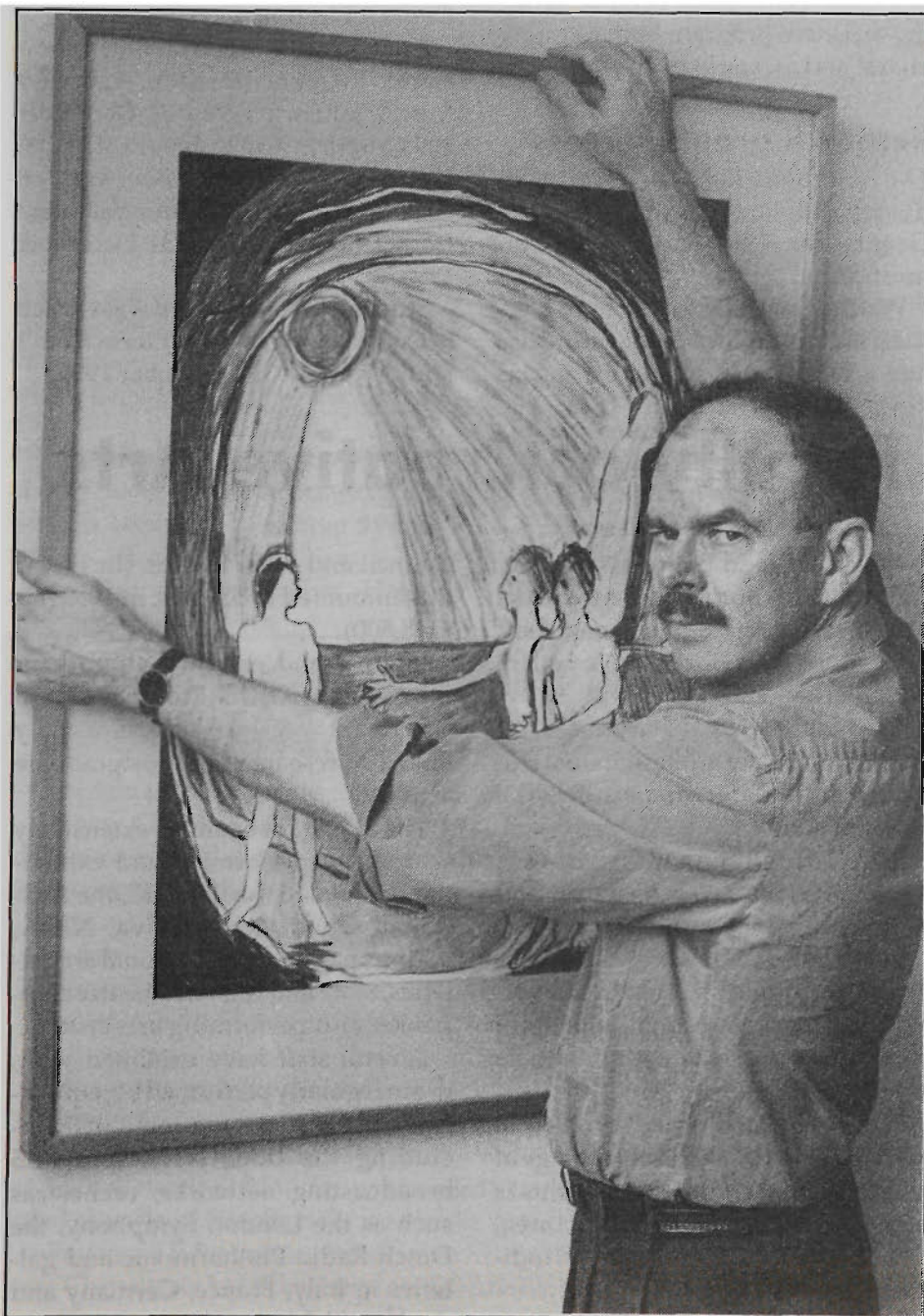
The first intake was 60 students.

In 1983, after amalgamation of the Institute of Education with the University, a chair in Creative Arts was established and the School of Creative Arts was formed.

The new Bachelor of Creative Arts degree was offered in 1984.

In 1986, the University began to offer a new range of postgraduate degrees at both Masters and Doctoral level. The Doctor of Creative Arts degree was the first Creative Arts degree at this level in Australia.

In 1989, the school enrolled its first



One of the pioneers of the Faculty of Creative Arts, Associate Professor Peter Shepherd

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Do not fax assignments

Assignments for undergraduate subjects will not be accepted or marked if submitted by facsimile, unless if approval has been granted by the relevant academic staff member, under conditions laid down by the Head of the relevant academic unit.

Such conditions might include the charging of a fee on a cost-recovery basis.

Support from the United Nations

At the 27th General Conference of UNESCO in Paris late in 1993, delegates from many Asian and Pacific nations expressed support for the contribution of STEPAN (Science and Technology Policy Asian Network) and the Centre for Research Policy at the University of Wollongong to the management of science and technology in Asia and the Pacific.

They also expressed their hope that this work continue.

This observation was passed on to Director of the Centre by the Regional Director of UNESCO, Dr Jürgen Hillig.

STEPAN is an Asia-wide network founded by Professor Steven Hill and Dr Shantha Liyanage of the Centre for Research Policy under the auspices of

UNESCO. It is an official network of people and institutions involved in research and training support for national science and technology policy and management.

The Centre for Research Policy at Wollongong has been elected twice by the other members as the Regional Centre.

There are 17 member countries, Australia, Bangladesh, People's Republic of China, India, Indonesia, Republic of Korea, Lao People's Democratic Republic, Malaysia, Maldives, Nepal, New Zealand, Pakistan, Philippines, Sri Lanka, Thailand, Vietnam and Japan (observer status).

Other countries have expressed interest in membership.

The Centre for Research Policy, as Regional Centre, has been conducting an active program both at multi-lateral and at single-country levels.

Research grants success

The Australian Electrical Supply Industry Research Board National Grants for 1994 have been announced.

Wollongong's Department of Electrical and Computer Engineering has had a record year of success in this

competitive research grant scheme.

Congratulations to: Vic Gosbell (with Joe Chicharo) \$91,000; Joe Chicharo \$28,500; Sarath Perera \$12,000; and Vic Gosbell (with Sarath Perera) \$12,900.

This funding attracts the same infrastructure research support to the University as ARC grants.

This success is a tribute to the quality of the researchers at Wollongong and to the vigour of the power engineering work within the Industrial Automation Research Program.

This work is also supported by the Energy Efficient Research Centre jointly run by the University and Pacific Power.

Council Elections

Following are the results of the recent Council Elections:

Convocation: Mr Keith Phipps was elected to Council for a four-year term from 1 January 1994 - 31 December 1996, (retiring member Prof. R.W. Upfold); Ms Shirley Nixon was re-elected to Council for a four-year term from 1 January 1994 - 31 December 1996.

Student: Mr Neil Trivett was elected to Council for a two-year term from 1 January 1994 - 31 December 1995.

SCA becomes Faculty of Creative Arts

From page one

international students from Thailand, Korea and Taiwan to study in the areas of theatre, painting and textiles.

The honours year for the BCA degree began in 1990.

In the same year, the school assumed responsibility for the Conservatorium of Music. In 1991, the school introduced joint degree programs with other faculties.

The school has grown to an enrolment of more than 500 students.

The school's admissions system is unique to the University with about two-thirds of the 1300 potential students being interviewed and auditioned in November and December of each year.

The results of this interview are used to make offers through the UAC system.

The postgraduate section of the school is one of the largest in the University with more than 100 students engaged in research towards

their Masters and Doctoral degrees.

Among this number are many successful arts practitioners and staff from more than 20 other Australian and international universities.

The school's total enrolment includes more than 50 international students from undergraduate to doctoral levels of study.

It has 26 full-time and 20 part-time academic staff, seven technical and four administrative staff.

In 1992, the school received a fully-devolved budget for both the University and Conservatorium elements of its program and now operates on its own staff profile.

Staff of the faculty are involved in research activity, a high percentage of which is group or integrated (this is unusual in the applied arts, area, where activity is traditionally individualistic and isolated).

The Faculty of Creative Arts attracts funding from the ARC, the Australia

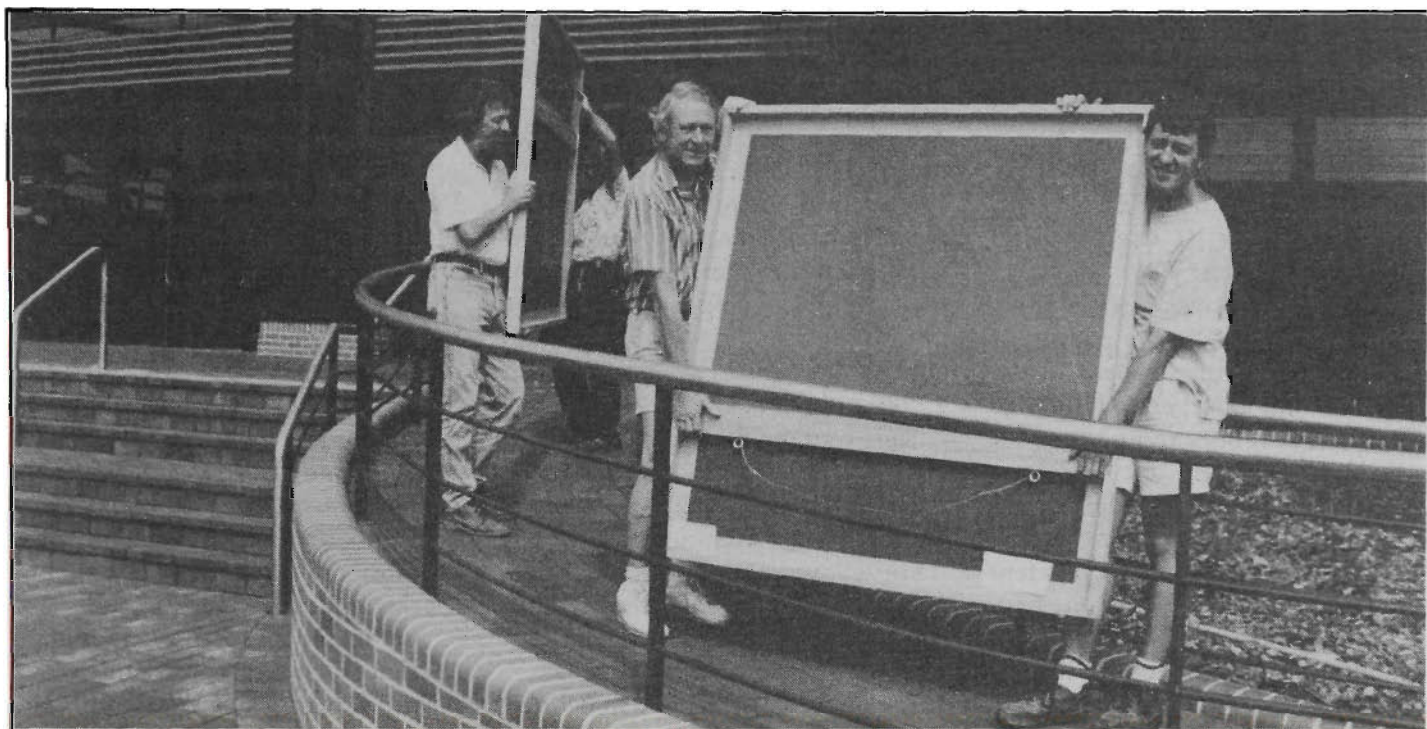
Council and other bodies. (In 1991-2 this amounted to \$89,680; in 1993 it is \$148,600).

Internal and external support for the Visiting Artists Program is also significant (\$45,000) and is usually linked to research and postgraduate activity.

The faculty cooperates extensively with major performing and exhibiting bodies such as the ABC, the Australian Opera, Music Viva, NIDA, various national and regional art galleries, State and regional theatre companies, and performing arts centres.

Several staff have exhibited with, or are regularly performed by, equivalent organisations internationally including the BBC, NHK and PBS broadcasting networks; orchestras such as the London Symphony, the Dutch Radio Philharmonic and galleries in Italy, France, Germany and the United States.

Art works on loan have connection with Wollongong



Works from the John Sullivan Collection make their way to the Keira View Building

The Director of the University's Permanent Art Collection, Guy Warren, took delivery of 18 paintings last week which have been lent to the University.

These works are from the collection of Mrs Anne Osborne Sullivan and her late husband – eminent Sydney lawyer, John Vincent Sullivan.

Mrs Sullivan's ancestors, Henry,

Alick and John Osborne, who arrived in Australia from Ireland before the 1830s, took up a property called 'Garden Hill' where Wollongong Hospital now stands.

They were involved in the breeding of Illawarra shorthorn cattle.

The paintings are on loan for three years.

They are mostly works by mod-

ern Australian artists including Noel Counihan, Ray Crooke and George Lawrence, as well as prominent Aboriginal artists Tjampitjinpa, Tim Tjapangati and Charlie Tjuringurawi.

They have been hung in the new Keira View Building; an appropriate connection to John Sullivan as it is also the home of the Faculty of Law.

Steelers chaplain comes to Uni

Chaplain to the Illawarra Steelers Rugby League team, Stephen Edwards, is the new Chaplain for the University of Wollongong.

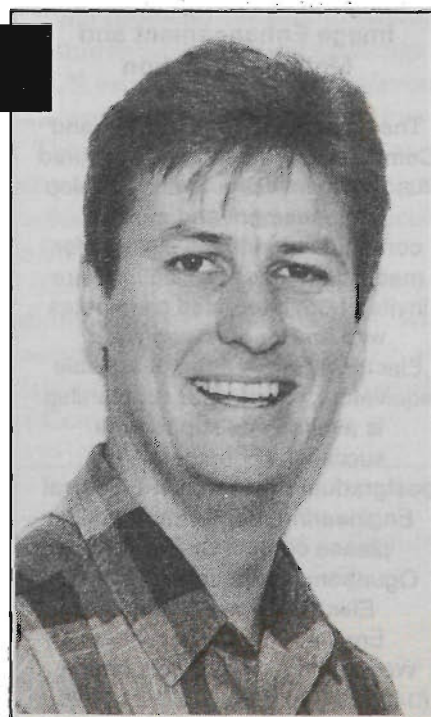
Reverend Edwards (pictured right) has been part of the Wollongong community for the last four years and will continue his role with the Steelers along with being Assistant Minister at St Mark's, West Wollongong, on Sundays.

As well as having a Bachelor of Arts in Theology and a Diploma of Arts in Theology, he will add to this a Bachelor of Arts (Communications) from Wollongong University as he now enters his final year of study.

He aims to provide a friendly service to all members of the University and will be on campus in the Chaplain's office (1st floor of Union Building) five days a week. (Phone 21 3534).

He believes that 'University provides a smorgasbord of ideas and thoughts and the role of the chaplain is to make sure that God keeps on the agenda'.

Reverend Edwards expressed that he would like to encourage those who are Christian to keep thinking in a Christian way about their areas of learning and for those who are not, the chaplaincy will provide an opportunity to find out about God.



Commerce student wins St George Youth Endeavour Award

A second-year commerce student has been named the overall winner of the 1993 St George Bank Youth Endeavour Award for Academia.

Quarterly awards throughout the year culminated in a grand final presentation dinner at the Novotel Northbeach late last year.

St George Bank established these awards to encourage the pursuit of excellence by young people in the Illawarra and Southern Highlands who are making outstanding progress in their chosen field.

Belinda Gibbons, 22, of Gerringong was announced as the 1993 Academia winner and is an outstanding student of the University of Wollongong having completed the Associate Diploma in Computer Applications in the top one percent of 1992 graduates.

She studies a Business Systems Analysis major in the commerce degree and is continuing to achieve high results in this course.

For Belinda's major project in the

Associate Diploma she produced a computer software package designed to teach students about AIDS.

'It is an issue that youth have to take notice of,' Belinda said.

This award-winning project has led to a local company, Rush Software, adapting Belinda's program for the Macintosh computer so it can be utilised by schools. It will be available for use in most schools by Term 2, 1994.

The program, designed for Year 10 students, is a computer training tool that uses facts and graphics to teach students about AIDS and other STDs.

Surveys were conducted on the effectiveness of the program as an added teaching facility and this was met with a positive response from all areas.

The project also resulted in Belinda presenting a conference paper to delegates at the 1993 International Health Conference held in Darwin last July.

The paper was titled Instructional Software for AIDS and STD Educa-

tion' and was well received.

A summer job at Illawarra Electricity in the Information Systems department has led to Belinda being offered a traineeship in Computer Programming which she will complete over the next two years while studying commerce part-time.

Academics at the University of Wollongong are invited to nominate outstanding students for the Academia category in any of the quarterly awards for 1994.

Application forms are available from departmental administrative assistants or from Gina Woodward, Promotions Assistant, Planning and Marketing (ext. 3027).

Any member of staff can nominate students for other Youth Endeavour Award categories of Visual and Performing Arts, Community Services, Secondary Achievement and Business.

Students must be aged between 16 and 25 at the time of nomination.

**University of Wollongong/
Illawarra Regional Hospital
1 year Master of
Engineering Scholarship
\$10,000 per annum tax free**

**Image processing: Medical
Image Enhancement and
Motion Correction**

The Department of Electrical and Computer Engineering has secured funding to investigate and develop enhancement and motion correction algorithms suitable for medical images. Applications are invited from interested candidates with an Honours degree in Electrical Engineering or suitable equivalent. A one-year scholarship is available to support the successful candidate for a postgraduate research in Electrical Engineering. For further details please contact Dr Philip O. Ogunbona in the Department of Electrical and Computer Engineering, University of Wollongong, NSW 2522, phone (042) 21 3403, fax (042) 21 3236.

Introduction to Tertiary Teaching

Academic and suitably qualified non-academic staff of the University are invited to enrol in the Introduction to Tertiary Teaching (ITT) course for 1994.

This course is presented through the cooperation of the Faculty of Education and the Centre for Staff Development.

It begins in the first week and proceeds throughout Autumn session, probably on Wednesday afternoons or at a convenient time for participants.

The course is an approved eight credit point subject in the Faculty of Education schedule but is offered free of charge to University staff.

It articulates into the Graduate Certificate of Higher Education through the study of EDGA801: Curriculum and Instructional Design and EDGA803: Assessment and Evaluation.

It then extends into the Graduate Diploma in Adult Education and Training through the study of two more elective subjects and an independent study unit, EDGA806: Practicum and Project.

Progression to a Master of Education degree may also be negotiated.

In the ITT subject participants are introduced to basic skills of university teaching. They are encouraged to consider implications for student learning and devise strategies to facilitate student outcomes.

They investigate the planning, implementation and evaluation of teaching methods, especially those relevant to their particular disciplinary and personal needs. The principles and practices of subject and course design are introduced as a means of integrating the various components of the subject.

Attention is also directed to the counselling and feedback roles that are crucial to the teaching-learning process in the University.

Staff interested in this course or who require enrolment forms, subject outlines, reading lists or other information should contact Dr Max Gillett in the Faculty of Education (ext 4277) or Ms Liz Ellis in the Centre for Staff Development (ext 4101)



Managing Director, Illawarra Technology Corporation, Mr Jim Langridge, with some of the scholarship winners.

ITC and Miami scholarships enable students to study abroad

In December a group of very enthusiastic students assembled in the University Council Room to receive scholarships that will assist them to finance their studies abroad.

The scholarships were presented by Managing Director, Illawarra Technology Corporation, Mr Jim Langridge.

These scholarships, established by the Illawarra Technology Corporation and totalling \$79,000, have been awarded since 1991.

Most of this funding has been provided by the ITC, although the International Office added to the pool of funding for this latest round of scholarships.

The following students were awarded ITC scholarships. They will be studying at a range of universities across America

Beth Cardier, BCA, University of California, Berkeley

Annette Loudon, BCA, University of California, San Diego

Kel Lupis, MBA, University of Nebraska, Lincoln

Jason McKee, BA, University of Kansas, Lawrence

Kym Gilleard, BEng, University of Illinois, Urbana

Lucy Peljo, BEnvSc, University of North Carolina, Chapel Hill

Ryan Smithers, BEnvSc, University of North Carolina, Chapel Hill

Dion Zappacosta, BCom, University of Colorado, Boulder

Mark Fisher, BCom, Indiana University, Bloomington

In addition, there is a separate University of Miami Scholarship specifically for students exchange to that university.

These scholarships are US\$2,000 each, funded equally by the University of Miami and ITC.

Four scholarships have been awarded to date.

The Miami scholarships were established at the beginning of 1993

after discussion between Mr Langridge and the Director of the Office of International Programs, University of Miami, Dr Steve Stein, about ways in which the student exchange between the two universities could be strengthened.

It was recognised that there are substantial financial barriers to Australian students considering exchange to the US, especially given the unfavourable exchange rate.

This scholarship was to act as an incentive to students considering the exchange program and in particular to the University of Miami.

The recipients for the University of Miami scholarships this year were Joseph Schifano, Janine Grey and Pauline Randall, who are all Bachelor of Commerce students.

Women's Issues Group

The next meeting of the Women's Issues Group will be held at 7.30pm on Tuesday 22 February in the Staff Club Room in the Union Building.

Speaker Diane Chambers' talk will be Machine Knitting for You? All are welcome.

Cost is \$2.50 for members and \$3.50 for non-members.

Enquiries to Moira Bowman (tel. 84 3741).

No rest for Wollongong campus

The University has been buzzing with activity over Summer.

In December 4000 indigenous people from 28 countries attended a conference and created an exotic atmosphere on campus.

This conference was heralded as an outstanding success.

The annual Summer Session attracted 1800 students from this uni-

versity as well as from the Sydney metropolitan area and institutions interstate, who were keen to undertake extra studies to fast-track their degrees or enhance their career prospects.

As well, several special schools were organised to introduce years 10, 11 and 12 students to various aspects of the University.

The Faculty of Engineering welcomed 80 high school girls from Broken Hill, Dubbo, Hillston, Junee, the South Coast, the southern and western regions of Sydney, the Illawarra, the Blue Mountains and many other parts of the state who attended the four-day residential 1994 Girls in Engineering Summer School.

A ceremony was held at Interna-



Girls in Engineering

Students attending the Girls in Engineering Summer School were involved in various 'hands-on' tasks. Catherine Bell and Karen Navas, third-year engineering student, constructing a multi-meter in the Electrical Engineering workshop".

Catherine Bell, 15, has always had a strong interest in marine life and the ocean. It is hard to keep up an interest like this though when your home town is Junee, in the State's south-west region.

As Catherine's dad is the Shire Engineer, she thought she would have a look at engineering, although Civil engineering did not appeal much. Pursuing her goal to find out more about engineering, she attended the Girls in Engineering 1994 Science Summer School.

Catherine said that she enjoyed the summer school very much, not only meeting new people but learning new things. "I appreciate Engineers for their dedication and patience to provide people with technology for an easier lifestyle", she said at the conclusion of the school.



Summer session

Students enrolled in Japanese in the Department of Modern Languages are required to undertake three Summer Sessions. The first group of third year students will take home with them an unusual souvenir - a videotape of themselves and their classmates acting in a feature film in Japanese of their interpretation of a short story from a Japanese anthology.. Mr Tatsuro Obuchi, (camera far right) directed the students in developing and filming their scripts. He was trained at Nihon University (the biggest university in Japan) in film directing. He later became personal assistant to Tamori, a Japanese comedian, and acted in professional comedy himself. WIN and Prime television covered the production of one of these videos in their evening news.

tional House at which the students were welcomed by the Dean of the Faculty of Engineering, Professor Tibor Rosgonyi. An address was given by Mrs Joyce Harkness, Human Resources Manager, Nortel Australia.

This Summer School broadens the careers options of female students to include engineering careers and provides them with a supportive network of other girls interested in taking higher level maths and science at school and in pursuing non-traditional careers.

This year the Girls in Engineering

Summer School was sponsored by BHP Slab and Plate Products Division, Roads and Traffic Authority, Kembla Coal and Coke, Water Board, Illawarra Electricity, University of Wollongong and the Department of Employment, Education and Training.

Additional Year 10 students also had the opportunity to experience life as a student of engineering thanks to the efforts of Peter Costigan from the Department of Electrical and Computer Engineering.

Every year Mr Costigan organises a week-long course designed to introduce students completing Year 10 to

Electrical and Computer Engineering.

Students from around the State come to the department and are given introductory lectures and hands on experience with Electrical Engineering experiments.

As a finale they build a working multimeter which they keep.

In December, 75 students attended two parallel courses in the electrical and computer laboratories, and went on tours to BHP.

Demonstrations of robots and other talks were given by staff from the department as well as from the Illawarra Technology Centre and Nortel.

HIGH PROFILE APPOINTMENTS FOR 1994

Health and Behavioural Sciences gets a new Dean

Dr Charles Watson will take up the position as a Professor and Dean of the Faculty of Health and Behavioural Sciences in early March.

Dr Watson, BSc(Med) MBBS MD FAFPHM, comes to us with a wealth of knowledge developed over his time as the Director of the Health Department of Western Australia and the WA Research Institute for Child Health.

His teaching experience spans more than 10 years as an Associate Professor of Anatomy, UNSW; Associate Professor of Biophysics, Michigan State University, USA; Anatomy lecturer, UNSW and UWA; and as a resident medical officer at St Vincent's, Sydney and in Tasmania.

As well as being a registered medical practitioner, he is a recognised authority in health promotion and disease control particularly in the area of AIDS.

He has been a working member of national committees on injury control, health promotion goals and targets, AIDS, communicable diseases, Hepatitis C and public health medicine.

He has chaired the National Organising Committee for the Third International Injury Conference, the National AIDS Legal Working Party and the WA Women's Cancer Advisory Board.

Dr Watson is a co-author of the Laboratory Brain Atlas in which he utilised his extensive knowledge of neuroscience.

He has also written several publications on the health sciences, particularly concentrating on native Australian and other mammals.

His interests lie in contributing to the goals of social justice through the development of accessible health services and professional education.

New Professor of Accounting

Welcome to Professor David

Johnstone, who has taken up the position as Professor of Accounting (Finance) in the Faculty of Commerce.

Professor Johnstone, B.A.B.Comm(Hons. 1) PhD, comes to us from the Graduate School of Business at the University of Sydney.

A former student of the University of Wollongong in the Arts and Commerce faculties, he has an extensive background in accounting including positions of tutor, lecturer, senior lecturer and associate professor in Sydney, the UK and the USA.

Awards that Professor Johnstone has received include a Commonwealth Post-Graduate Research Award, British Commonwealth Post-Doctoral Fellowship, and recently the University of Sydney MBA Student Association Teacher of the Year, 1992.

A well-respected leader in the field of commerce both in Australia and on an international basis, he plays an active role in the committee which reviews and revises course notes for the National Certified Practising Accountants (CPA) program of the Australian CPA Society.

He has published several documents, particularly on inferential statistics with virtually all of these being published in international scholarly journals; and has also undertaken insightful research and analysis of empirical accounting.

His skills as a presenter have been proven after presentations in most major Australian Universities and international institutions including universities in Vienna, New Zealand, London, the UK, California and Seattle where he is recognised as a well respected authority in his area of expertise.

Top industrial economist to join Commerce

The position of Professor and Dean of the Faculty of Commerce has been taken up by Professor Tom Parry BEc(Hons) MEc PhD, formerly Head of the School of Economics, UNSW.

Professor Parry will join the staff of the University in late April this year but will attend the Planning Conference in February.

He brings with him a great deal of knowledge and experience. He has lectured in Economics at the University of Sydney and UNSW, and has held other noteworthy positions at the ANU, New York Graduate School of Business, University of Reading and the East-West Centre in Honolulu.

He is the Foundation Chairman of the Government Pricing Tribunal of NSW, Principal Economic Adviser of the Price Waterhouse Economic Studies and Strategies Unit, a Research Associate of the UNSW Centre for Applied Economic Research, and a member of the NSW Government Business Enterprise Consultative Council to name a few.

Presenting courses on various financial topics, he has spoken throughout Australia, New York, Tokyo and Fiji.

His research work has seen grants awarded from various institutions in New York, London and the Commonwealth.

Professor Parry has acted as a consultant on economic policies, investment matters and technology over a period of 16 years through which he has developed a knowledge that will be invaluable to the University of Wollongong.

Professor Parry has published widely and his books and papers are held with high recognition.

He has gained an international reputation for his writings on foreign direct investment and the Multinational corporation.

The Professor brings to Wollongong a strong vision of leadership and commitment to lead the commerce faculty in the changing period of the 1990s.

Management professor to begin in September

Dr Stephen Linstead, BA(Hons) MA MSc PhD Grad.IPM, a Visiting Scholar in the Department of Management at the Hong Kong University of Science and Technology, has accepted appointment as the Professor of Man-

HIGH PROFILE APPOINTMENTS FOR 1994

agement of the University of Wollongong.

His international experience covers both university and the private sector in the UK and Hong Kong, including the development and management of collaborative programs with prestigious partner institutions in France, Germany, Italy and Spain.

He has also given papers and presented to conferences in Europe, Asia and North America.

Council News

The University Council met on 10 December 1993. Major issues were:

Approval of amended conditions for the award of Emeritus Professorships. Contact Lynn Woodley (ext. 3360) for details.

Approval of the recommendations of the Academic Promotions and Continuing Appointments Committee. NOTE: the paper considered by Council remains confidential as it contains details of unsuccessful candidates. The names of successful candidates have been published in Campus News. Contact Robyn Weekes, Personnel (ext. 3267).

The final summary of the 1994 University budget was noted. The detailed budget was approved at the October meeting.

The 1993 Financial Statements for the University Professorial Superannuation Scheme were confirmed as true and accurate records for submission to the NSW Auditor-General.

Council noted a report on the SRC by-election and outcomes and approved the 1994 Budget submitted by the newly-elected SRC. The budget does not propose any rise in SRC charges for 1994.

Council noted the arrangements for the February 1994 University Planning Conference.

Council noted the December 1993 progress report from the Illawarra Technology Corporation Ltd.

Dr Linstead comes to Wollongong with 12 years' experience in the colleges and polytechnics sector in the UK, including Head of a multi-disciplinary department of European Business and as a researcher in a UK University Business School.

He has held positions in the University of Lancaster, Middlesex University, Brunel University, Humberside University and Sheffield Hallam University, UK.

He has published a significant number of journal articles, books, research reports and conference papers.

Dr Linstead offers internationally recognised leadership in the Organisational Behaviour area particularly in Organisational Theory with his specialisation of management education and development.

His expertise in research fields comes from innovative projects conducted on business education and management development, business sponsorship of the Arts, management in the food industry, strategic plan-

Computer training

ITS Staff and Postgraduate Computer Training calendar (Macintosh) for February:

Introduction to Macintosh, 9.30am-12.30pm, Wednesday February 9

Introduction to Excel 4.0, 9.30am-12.30pm, Thursday February 10

Excel Bridging 3.0-4.0, 1.30pm-4.30pm, Tuesday February 15

Word Bridging 4.0-5.1, 9.30am-12.30pm, Wednesday February 16

Introduction to PowerPoint Pt1, 9.30am-12.30pm, Thursday February 17

Introduction to Word 5.1 Pt1, 9.30am-12.30pm, Tuesday February 22

Introduction to PowerPoint Pt2, 9.30am-12.30pm, Thursday February 24

Introduction to Word 5.1 Pt2, 1.30-4.30pm, Thursday February 24

Intermediate Word 5.1, 1.30-4.30pm, Friday February 25

Advanced Word Pt1, 1.30-4.30pm Monday February 28

For further information contact Vicki Ray (ext. 4403).

ning in small business, and pricing and loans in the brewing industry.

Dr Linstead combines his excellent command of organisation theory with his interest in the new, promising themes emerging from this theory, ethnographic studies and the influence of postmodern thought on conceptualising organisations.

He has used this knowledge and his creativity stemming from his wide cultural experiences to divert into consulting.

Stop Press

All academic loans borrowed during Summer Session are due for return by 28 February 1994.

Items may be renewed for Autumn Session, if they have not been recalled.

Any enquiries contact Margie Jantti on Ext 3330.

Campus News is published weekly on Wednesdays. Send material, preferably by Microsoft Mail or on disk, to Gillian Curtis (042) 21 3027 by noon on Monday of the week before that of publication

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

Coconut oil could replace diesel fuel

Lecturer in the Department of Mechanical Engineering, Oliver Kennedy, is exploring the possibility of using coconut oil as a replacement for diesel fuel in compression engines.

To most of us this seems improbable. Isn't coconut oil that hard, white stuff used in making chocolate crackles?

In fact, the white block (copha) is made from copra, or dried coconut meat, which is often rancid.

As an edible or cosmetic product it must be refined, bleached and deodorised. Pure, cold-pressed coconut oil is made from fresh coconuts and is more stable.

Mr Kennedy said coconut oil had some 'major advantages'

'Easy to grow, coconuts are available all year round,' Mr Kennedy said.

'Because the oil is highly saturated, it is suitable for use as a fuel and coconuts are a renewable resource.'

The team at Mechanical Engineering have been trialing the oil, preheated to a variety of temperatures, in a single-cylinder laboratory engine.

The engine produces 10 per cent more power and torque with coconut oil replacing diesel, without notice-

ably affecting exhaust emissions and soot levels.

Diesel engines using coconut oil run more quietly and smoothly. The engine uses a little more fuel but because coconut oil is denser than diesel, more kilograms fit into a tank. Hence vehicles have a similar range.

This work is of particular interest to developing countries.

'There are enough coconuts rotting on the ground in a country like Vanuatu to replace their diesel imports almost altogether,' Mr Kennedy said.

'The simple technology needed to extract oil from coconuts could revolutionise life in poorer countries.'

'At 15-20 coconuts per litre of fuel, even individual householders could cold-press enough oil to run a small generator, or to provide refrigeration, making fishing more practical as a source of income.'

The Mechanical Engineering team is also investigating using coconut oil in pressurised lanterns, normally run on kerosene. The manufacturer of Coleman lamps has donated several lanterns for trials.

Isolated communities in places like the Solomon Islands or Fiji have no

power, little lighting, no refrigeration – and lots of coconuts.

With the bottom dropping out of the world copha market, using coconut oil as a fuel could make a big difference to subsistence economies.

Coconut oil has the added advantage of being safer than diesel. A solid at 25°C, it doesn't spill as readily. Nor does it give off volatile or explosive fumes. Fully biodegradable, it is ideal for fragile environments such as Antarctica.

Mr Kennedy's team have been working in conjunction with Dr Dan Etherington, an economist with the Research School of Pacific Studies at ANU, and Dr David Hagen, a consulting engineer.

'We need to look in more detail at the performance of engines and emission qualities,' Mr Kennedy said.

'Also, we would like to explore various oil blends (for example the addition of ethanol) which we anticipate may help solve a few problems, such as high viscosity and engine coking.'

'We'd like to run the engine for long periods of time, but need to find ways of doing this without testing the patience and noise tolerance of the rest of the Department.'

Exchange of art and staff with Turkey

Works by Textile students in the School of Creative Arts will be going to Turkey this year to initiate on-going communications and exchanges between the Faculty of Fine Arts, Marmara University in Turkey and the Faculty of Creative Arts, University of Wollongong.

Two exhibitions are planned to take place in 1994; the first by textile students from FCA in March 1994 to be shown in Istanbul at Marmara University and the second to show the work of textile students from Marmara University in the Long Gallery, Faculty of Creative Arts in August.

These two exhibitions will be accompanied by a textile lecturer from each university so that staff exchanges can also take place at the



Liz Jeneid packing up textile works to send to Turkey

same time. Textile lecturer, Liz Jeneid, will spend two weeks at Marmara University in March mounting the student exhibition and working with textile students.

Dr Mehmet Saclioglu from Marmara University's Textile Department will be visiting artist in residence in August in the Faculty of

Creative Arts

An exhibition of work by Turkish artists living in Australia is also proposed to be shown in the Long Gallery in August.

This will be part of the celebrations of the 25th anniversary of the first Turkish migrant to come to Australia.

13-16 March

**INTERNATIONAL EXHIBIT
FABRICATORS WORKSHOP ON
THE DESIGN OF CHEMISTRY
EXHIBITS**

Registration date: February 14
Contact: Geoff Snowden, ASTEN
National Science Centre, Canberra
(06) 270 2857. Fax (06) 273 4346

27-28 May

**NSW STATE AITEA CONFERENCE
- (QUALITY)**

Date for papers: January 28
Registration date: mid-April
Contact: Peter Wood (042) 213943

28-29 May

**AUSTRALIAN ASSOCIATION OF
GERONTOLOGY RURAL
CONFERENCE EDUCATION AND
AGING, RELOCATION, CASE MIX
FINDINGS**

Registration date: 16 May
Contact: Irene Stein (042) 213766

1-2 July

**SELF, LIFE AND WRITING: POST-
COLONIAL PERSPECTIVES**

Date for papers: 28 February
Registration date: TBA
Contact: Dr Paul Sharrad
(042) 213705

**University of
Wollongong
Conferences**

3-8 July

**RACI DIVISION OF ORGANIC
CHEMISTRY**

14TH NATIONAL CONFERENCE

Date for papers: 29 April
Registration: 29 April / 10 June with
late fee
Contact: Prof John B Bremmer (042)
214256

4-6 July

**ACCOUNTING ASSOCIATION OF
AUSTRALIAN & NEW ZEALAND
ANNUAL CONFERENCE**

500 YEARS ON - AAANZ Pacioli

Date for papers: 11 February
Registration: April / May
Contact: Janet Moore (042) 214005

8 July

**ENGINEERING & THE
ENVIRONMENT**

Contact: Sharon Beder (042) 214063

27 September-1 October

**AUSTRALIAN PSYCHOLOGICAL
SOCIETY CONFERENCE**

Date for papers: 15 April

Registration: up to the starting date
Contact: Dr Jeff Wragg (042) 213652

1-3 October (Long weekend)

**AUSTRALASIAN POLITICAL
STUDIES ASSOCIATION
CONFERENCE**

Contact: Dr Anthony Ashbolt (042)
213675

October

**ENVIRONMENTAL GEOLOGY
SHORT COURSE**

Contact: Dr Bryan Chenhall (042)
213805

-TBA-

**PARALLEL COMPUTING AND
TRANSPUTERS**

Date for papers: 31 April
Registration: November
Contact: Johnathan Gray (042) 213223
or Fazel Naghdy (042) 213411

28 November-1 December

ASIA CRYPT '94

Date for papers: 18 July
Registration: 1 October
Contact: Prof J Seberry (042) 214327

-TBA-

**ITALO-AUSTRALIAN CREATIVE
WRITERS FOR**

Contact: Michael Arrighi

PAID ADVERTISEMENT

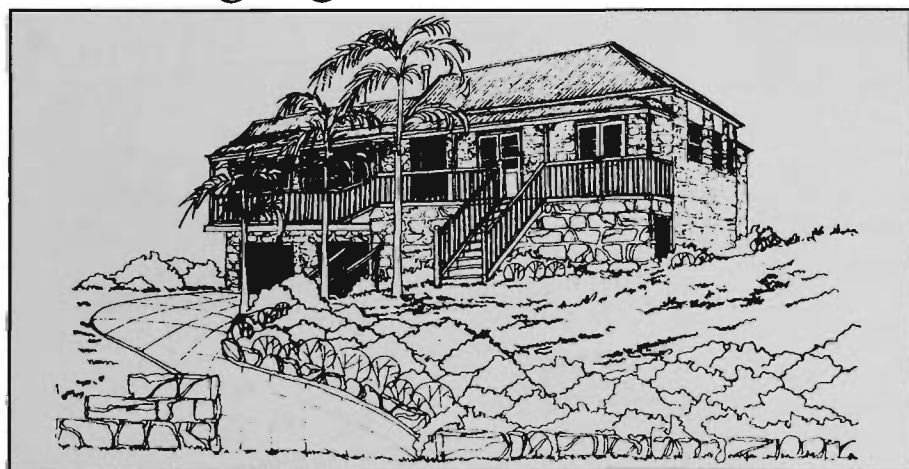
AUCTION

The Richness of Sandstone

Gerringong

"Stowe"

South Coast



Elders

**REAL
ESTATE**

BERRY

121 QUEEN STREET, BERRY, N.S.W.
PHONE (044) 64 1600 FAX: (044) 64 1923

You will love the warmth, strength and bold colours of this sandstone home located only 350 metres from the water at Gerringong's Boat Harbour and large rock pool.

Natural timbers used throughout allow antiques to sit comfortably in its interesting rooms.

Undoubtedly the most spectacular home in this area that offers farmland atmosphere with seaside living, taking in panoramic ocean views.

Address: 38 Jupiter Street,
Gerringong
Open House: 13th February 1994
1pm-2pm
Auction Date: 26th February 1994
Time: 11.30am
Venue: Elders Auction
Rooms, Berry

MAJOR
WOLLONGONG
PROPERTY

AUCTION

SATURDAY 26TH FEBRUARY
10:30 AM CITY PACIFIC WOLLONGONG

THREE SUPERB ACREAGES ALBION PARK

*All properties are set close to Albion Park township
only 20 minutes from Wollongong.*

OUTSTANDING RURAL PROPERTY

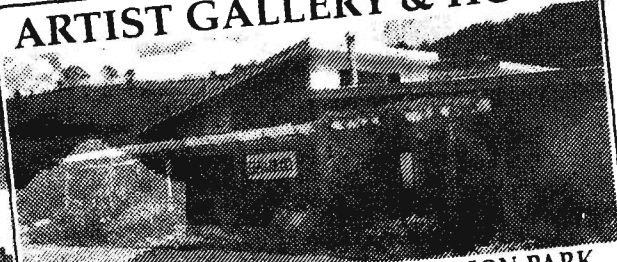


LOT 2, NTH. MACQUARIE RD., ALBION PARK

- ◆ 100 Magnificent Acres (40 HA) ◆ Superb family residence
 - ◆ Outstanding views ◆ Mostly cleared
- IN CONJUNCTION WITH
Martin Morris & Jones DAPTO ☎ (042) 61 3822

**An outstanding opportunity to acquire
a magnificent rural property.**

ARTIST GALLERY & HOME

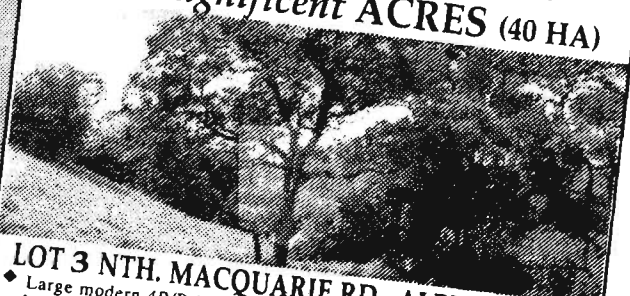


NORTH, MACQUARIE ROAD, ALBION PARK

- ◆ Peaceful 5 acre (2 HA) parcel.
- ◆ Gallery, tea rooms & residence. ◆ Rare opportunity.

IN CONJUNCTION WITH
Elders REAL ESTATE Elders Berry ☎ (044) 64 1600

Superb HOMESTEAD on 104 Magnificent ACRES (40 HA)



LOT 3 NTH. MACQUARIE RD., ALBION PARK

- ◆ Large modern 4B/R homestead. ◆ Frontage to Macquarie Rivulet.
- ◆ Stockyards, shedding & farm fencing. ◆ Adjoins Gallery 'D'.

IN CONJUNCTION WITH
Elders REAL ESTATE Elders Berry ☎ (044) 64 1600



**martin
morris & jones**

299 CROWN STREET, WOLLONGONG ☎ 29 5555