


THE UNIVERSITY OF WOLLONGONG



CAMPUS NEWS

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11 April 1989

MODELS FOR UNIVERSITY DEVELOPMENT

The transition has to be real--not a paper transformation

The Vice-Chancellors' Committee has spelled out a series of models for the transformation of colleges of advanced education into universities. This follows its earlier comments on the Queensland Government's decision to give university status to three institutions from 1993. The AVCC had expressed concern about the potential impact of this decision on the international standing of Australian universities.

The chairman of the AVCC, Professor Brian Wilson, said that the events of the past few months had shown that the concept of a university was becoming more diffuse in Australia. He said: 'We are starting to see the development of a system where national coherence of philosophy and consistency of standards related to universities may be lost.'

'Obviously, universities have never been static: the university of today is very different in size, style and content from those of even 30 years ago. The AVCC's recent attempts to redefine the university have been prompted by the more rapid changes following the Federal Government's White Paper on Higher Education'.

Professor Wilson said that the current attempts to establish new models were a healthy development, so long as the central goal of the university – the education of postgraduates and undergraduates in a broad range of courses; the creation of new knowledge through research and scholarship; and the preservation of transmission of that knowledge – was not ignored.

'The development of new universities takes time and care and, most importantly, can be assisted by the involvement of existing universities in the process,' he said.

The AVCC was confident that the amalgamation of colleges with universities, if carefully handled, would protect the quality of existing universities without damaging the important characteristics of the former colleges.

Equally, there were some complex institutions, such as the big institutes of technology, which could be



Japanese students from Fujimigaoka Gakuen University, studying at the Wollongong English Language Centre in the University of Wollongong, have presented three senior members of faculty with superbly crafted dolls. Seen here with one of them is the Centre's Managing Director, Professor Peter Rousch

transformed into universities of technology with appropriate financial support.

The AVCC believed, however, that there was a number of other models which could be useful aids to further development of other colleges:

The University College: this method was used to establish universities such as the University of New England, the University of Newcastle and James Cook

General Notices

Human Movement research into scrum safety

The Australian and New Zealand Rugby Unions have provided \$14,000 for a further study into the biomechanics of rugby scrummaging techniques to be completed under the direction of Dr Peter Milburn. This comes in the wake of a study which supported the adoption of law changes designed to increase scrum safety. Since the adoption of these changes, there have been no serious scrum injuries in games played under these laws.

The present study will examine shearing forces experienced by front-row players under a variety of different scrummaging techniques. A series of piezo-electric force plates built into a scrum machine will detect the three orthogonal components of force experienced at engagements as well as the sustained forces on the hooker and props during the scrum.

It is anticipated that preliminary proposals regarding the safety of the scrum can be documented in time for the International Rugby Board's annual general meeting in April.

... and into training programs for netball players
Dr Karen Chad and Ms Julie Steele were recently awarded \$12,500 to undertake a research project entitled 'The relationship between physical requirements and physiological responses to match play and training in elite netball players: the basis of a tailor-made training program.'

The study will involve an evaluation of the physical capacities of elite netball players as well as determination of the energy requirements of positional play during match conditions and training sessions. This will permit recommendations for individualised training programs, specific to netball, to be developed. The grant was

awarded under the Applied Sports Research Program, funded by the Australian Sports Commission.

... and for fishing gear for the disabled

The same granting agency also awarded Mr Harry Fuller \$13,000 to design and develop fishing-tackle prototypes to increase the effectiveness and independence of disabled fishers. The target population involves disabled people who may possess a degree of strength and motor coordination but lack fine motor control in the hands and fingers. They find difficulty in using a rotary motion to wind in standard fishing reels, and manipulating standard drag-control mechanisms which allow the safe playing of fish. They consequently become discouraged by excessive tangling of lines.

The project is supported by the Australian Recreational and Sport Fishing Confederation and has secured the sponsorship of Alvey Reels Australia and John Dunphy Imports.

Australian Institute of Management Monthly Meeting

Guest Speaker: Mr John Nothdurft, BA, LLB, MA (Soc. and Law), Lecturer, Department of Legal Studies, The University of Wollongong.

Topic: *Employment of People with Disabilities – Attitudes of Management.*

Date: Thursday April 20.

Time: 7.30 am – breakfast; 8 – 8.45 am – address and discussion.

Venue: Cleo's Function Centre, 16 Burelli Street, Wollongong.

This breakfast meeting will be a highlight of our 1989 calendar. Our guest speaker is a remarkable person who has overcome barriers, adversity and discrimination at a level which most of us will probably never encounter.

John Nothdurft has been blind since 1980, due to the onset of a genetic eye condition. He has shown extraordinary resilience to fight actively against discrimination and remains an independent working person. John is active in general consulting in the board

Models for university development from page 1

University. The institutions had begun life as university colleges affiliated with universities and after a period of development and assistance had been given independent status.

The network: the creation of a multi-campus network with more autonomy for the individual campuses than under the university college model but with overall responsibility exercised by the experienced governing body.

Sponsorship: this approach was being used in NSW where the University of Western Sydney was being established under the sponsorship of The University of Sydney. The Sydney Vice-Chancellor was also acting Vice-Chancellor of the new institution; five of the 18 members of the Board of Governors were from The University of Sydney; and two-fifths of the Academic Board would come from the University of Sydney until 1996.

Contractual arrangements: the Northern Territory University had been formed by the amalgamation of a university college and an institute of technology.

However the contractual arrangement which had existed between the university college and The University of Queensland would continue, with the Northern Territory University offering University of Queensland degrees in arts, sciences, economics and law. This would ensure the quality of the degrees until the Northern Territory University developed further.

Professor Wilson said these models had the advantage of giving colleges the assistance and oversight of established universities as they moved to diversify their offerings and develop their research base. The above models had been, and could continue to be, applied to colleges where development to university status was considered appropriate.

He said that the issue was not whether some colleges should become universities – many existing universities had started out as colleges – but how best to ensure that the transition was real rather than simply a paper transformation. This process would require time, money and informed advice if the current high standing of the title 'university' was to be maintained internationally.

areas of EEO and Disability. He is a member of the Equal Opportunity Tribunal of NSW. He also lectures and tutors within the Department of Legal Studies at The University of Wollongong. He is a member of several committees/working parties within the University associated with Affirmative Action and Disability.

Safety Management Workshop

Illawarra Technology Centre Conference Rooms.

Friday April 14, 9 am to 5 pm.

Three basic areas of the management of the Safety function will be covered:

1. Occupational hazards – identification and control.
2. Occupational health and safety legislation – corporate and individual responsibilities.
3. Induction of new staff – including job instruction.
4. Safety management – a review and overview.

This course will be conducted by Reg A. Whitton, ASTC, AFAIM, ASIA, MergSoc. Mr Whitton has had wide experience in Workers Compensation litigation, advising insurance companies and legal representatives of litigants on safety aspects of the specific case, including expert opinion, under court conditions.

Registration forms from Wollongong Uniadvice Limited, The University of Wollongong, PO Box 1144, Wollongong, NSW 2500.

Inquiries: (042) 26 8888 or 27 0076.

May Graduation Ceremonies

Four graduation ceremonies will be held from May 10 to May 12 in the Sports Hall, Recreation and Sports Association building. Details are as follow:

Wednesday May 10 – 2.30 pm

Commerce: All Commerce and Management degrees and diplomas, including AssocDipAdmin, AssocDipCompApp, and GradDipEd Stud (School Admin).

Mathematical Sciences: All Mathematics and Computing Science degrees and diplomas.

Speaker: Mr Gerry Freed, BLE Capital Limited, Fellow of the University.

Thursday May 11 – 9.45 am

Arts: All Arts and Creative Arts degrees and diplomas.

Speaker: Dr Marion Adams, Dean, Faculty of Arts and Head of Germanic Studies, The University of Melbourne.

Thursday May 11 – 2.30 pm

Education: BEd (external conversion courses only)

Science: Science, Human Movement and Nursing.

Speaker: Professor P. LeP Darvall, Dean, Faculty of Engineering, Monash University.

Friday May 12 – 9.45 am

Education: BEd (excluding external conversion courses), all other Education degrees and diplomas.

Engineering: All Engineering degrees and diplomas.

Speaker: Mr P. Songo, High Commissioner, Papua New Guinea High Commission in Australia.

Invitations to academic staff to attend the ceremonies will be sent out shortly.



Marilyn Meier

Brilliant Wollongong PhD student to give recital at Performing Arts Centre

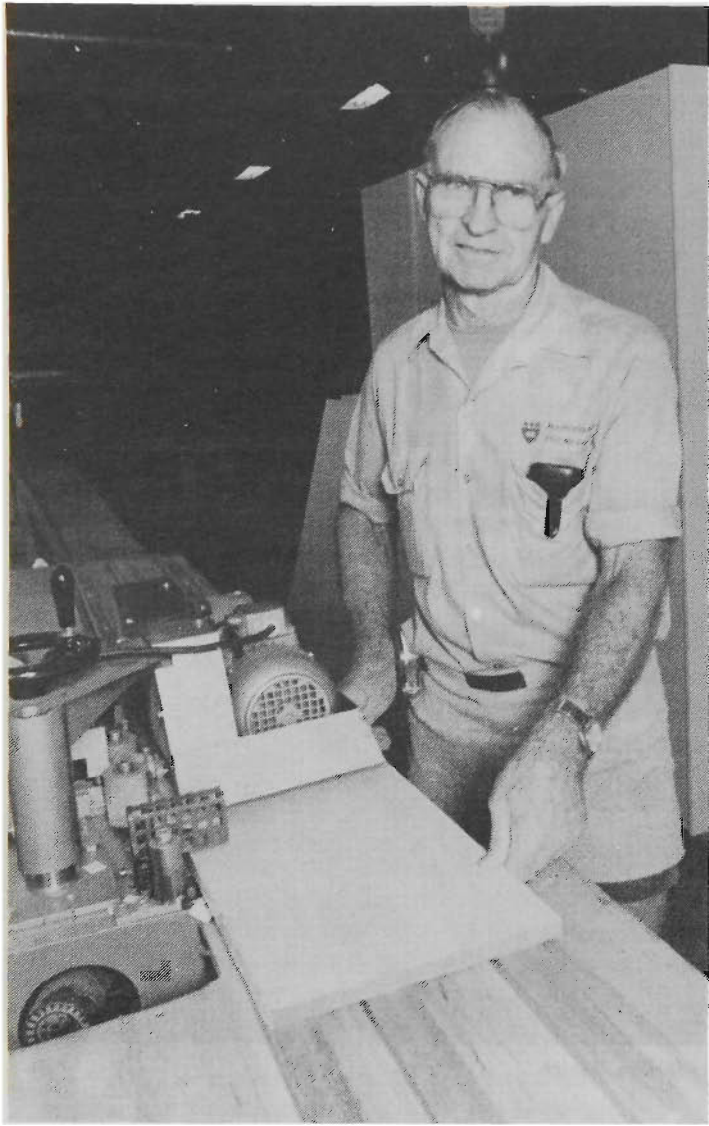
Currently enrolled in the Doctor of Creative Arts program at The University of Wollongong, brilliant Australian pianist Marilyn Meier will give a recital at the Illawarra Performing Arts Centre on Friday April 21 at 8 pm. She will perform works of Mozart, Chopin, Debussy, Cowell and Stravinsky.

On Australia Day, Marilyn Meier was honoured as an Australian Achiever of 1988 – finalist for Young Australian of the Year – for outstanding achievements as a concert pianist.

Described by the eminent Bela Siki as one of the most talented pianists of her generation, Marilyn went to the USA at age 15, progressing through the University of Washington, Seattle, to the University of Cincinnati where she gained her Bachelor of Music (Hons) at 19, and the Artist Diploma. From 1985, she studied with Professor Hans Leygraf at the Mozarteum in Salzburg where, in May 1988, she was awarded the Performance Diploma.

Marilyn has performed throughout Australia, USA, Spain, West Germany, Austria and Switzerland. Her 1989 tour of Europe and the USA from May-july will include performances in Vienna, Salzburg, Zurich, Cincinnati and New York.

Bookings for the April 21 recital may be made at the Centre Box Office: (042) 26 3366; Nowra Music Studios, Nowra and Bevans Real Estate, Oak Flats. Tickets \$22; concession \$16; group bookings (ten or more) \$18.



These two pictures show that the furniture-making plant, set up by the Buildings and Grounds Maintenance Section to meet the University's needs, is no backyard workshop. It is excellently equipped with high-quality professional woodworking tools. And it is producing workstations and other furniture that is both in good taste and practical – and of high quality in terms of both appearance and fit

Furniture on Campus!

Further example of invention and imagination – another first?

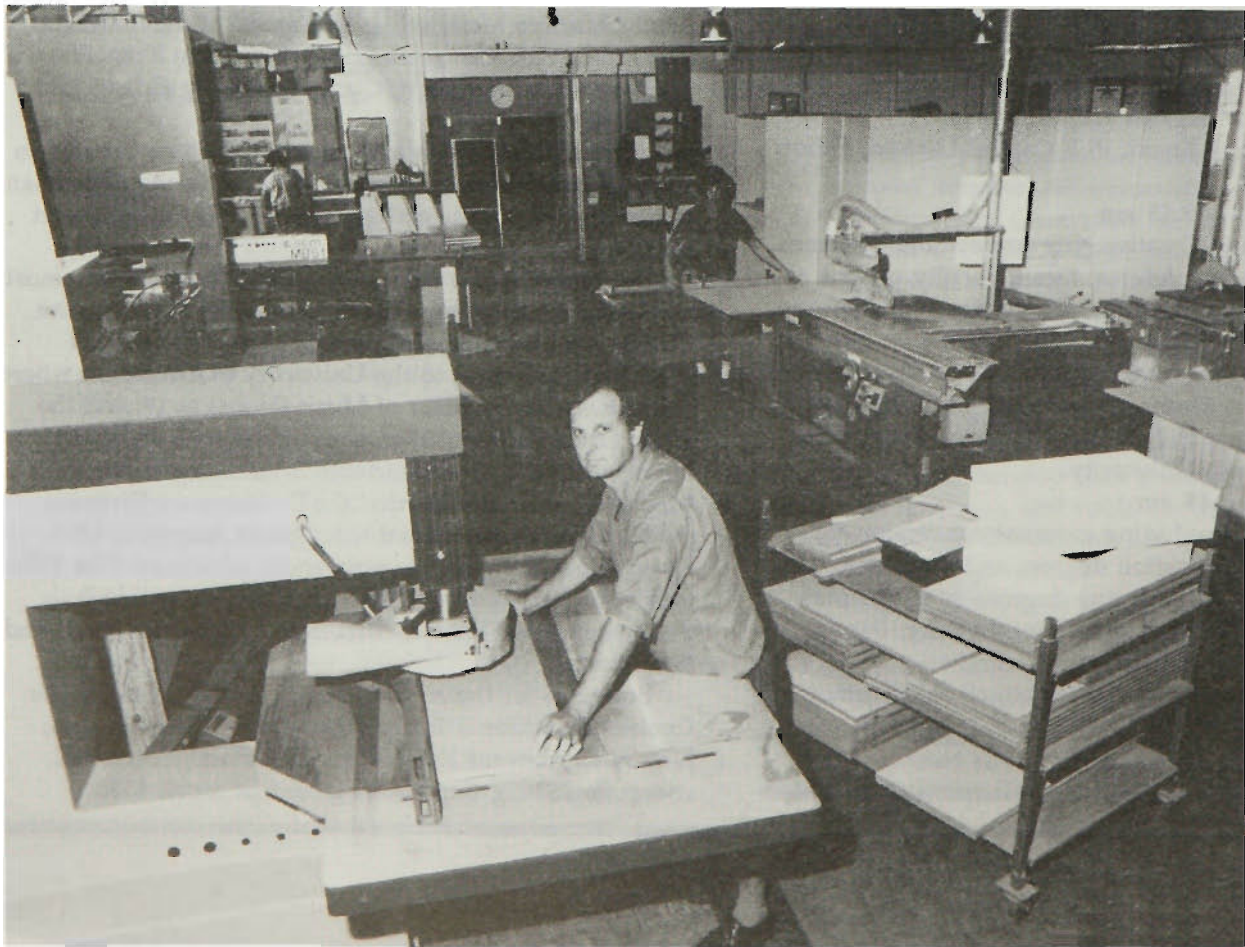
In 1976 the Buildings and Grounds Maintenance Section started making furniture in a small workshop in the south-west corner of Building 6. The demand for this service grew and the Maintenance Section staff was encouraged to branch out into a production-type joinery, making furniture, mostly suitable for campus needs. There is now a superbly equipped workshop at Campus East.

The Maintenance Section found it was able to produce personalised furniture, designed for a specific area and use, at an acceptable cost. In some cases, items were manufactured and supplied in a shorter time than would have been needed by an outside company.

The range of furniture being produced includes desks for professors, general staff and students, workstations, conference room tables and cupboard furniture, bookshelves, glass-fronted noticeboards, pinboards, whiteboards, video trolleys, display and advertising stands, indoor garden boxes and settings, ergonomic furniture, computer furniture, pigeonhole units and essay boxes, personal locker units, filing units, drawer units, lollipop lights around the campus, floor-to-ceiling cupboard and shelving units, material covered room dividers.

Specialised items of furniture can be designed and manufactured using the eight trades including 25 permanent staff and 11 casual tradesmen and unskilled workers within the section. User equipment can also be installed and in some cases, equipment can be designed and manufactured. Any costs involved would be charged against the user's account.

For further inquiries, as to service, maintenance and supply, contact Eric Young, Maintenance Supervisor, on ext 3995.



Heritage Week begins on Monday

Jointly organised by The University of Wollongong and 'The Friends', Heritage Week begins on Monday April 17. The aim of the 'Week' is to commemorate Wollongong's past – something which will be done, for example, by a photographic display, at the Wollongong Historical Museum, illustrating the early elements of Wollongong.

Another public display will be staged by the ethnic community at the Mall on the Thursday evening and Saturday morning (in the event of bad weather at the Itsowel Centre, 21 Stewart Street, Wollongong).

The University's program is given below:

Monday April 17

10.30 am

– Official opening of exhibition of Aboriginal artifacts and photographs by Deputy Vice-Chancellor Professor Rousch, Kemira Room, Union Building (refreshments provided).

11.30 am – 3.30 pm

– Exhibition of paintings by Aboriginal artist, Ray Thomas, Creatives Arts Ground Level Foyer Area.

12.30 pm – The multicultural group Southern Crossings, duck pond lawn (Union Hall if wet).

1.30 pm – 2.30 pm

– Lunchtime video *Eora Corroboree* (57 min), Aboriginal Education Unit, Demountable 10 (Building 49).

Tuesday April 18

10 am – 11 am

– Demonstration of boomerang throwing by Laddie Timberey, lawn near the Greenery.
– Local Aboriginal artist, Reggie Ryan, will demonstrate his technique, Union Building ground level foyer area.

11.30 am – 3.30 pm

– Exhibition of Aboriginal artifacts and photographs, Kemira Room, Union Building.
– Exhibition of paintings by Aboriginal artist, Ray Thomas, as above.

12.30 pm

Lunchtime forum: Education and Job Opportunities – An Ethnic Perspective, chaired by Professor Stephen Castles, Multi-Cultural Studies. Speakers: Goce Televche from the Macedonian Welfare Association; Mary Kalantzis, Multi-Cultural Studies; Janice Wilson, Aboriginal Community; Students: Zoran Lozevski and Krishnakumar Seevaratnam.

The Forum will be held on the duck pond lawn (in the Union Hall, if wet).

1.30 pm – 2.30 pm

Lunchtime video *Boomalli* (28 min) and *It's A Long Way Back* (12 min), Aboriginal Education Unit, Demountable 10 (building 49).

Wednesday April 19

10 am – 11 am

– Boomerang throwing by Laddie Timberey, as above.
– Reggie Ryan, demonstration of Aboriginal art, as above.

11.30 am – 3.30 pm

Artifacts and photographs, as above.

12.30 pm – 1.30 pm

– Lunchtime video *The Secret Country* (50 min) held in the Aboriginal Education Unit, Demountable 10 (building 49).

12.30 pm

Heritage film in the Union Hall (title to be announced).

Thursday April 20

11.30 am – 3.30 pm

– Artifacts and photographs, as above.

12.30 – 1.30 pm

– Traditional Aboriginal dancers will demonstrate several tribal dances, amphitheatre, opposite Administration Building, Western Campus.

1.30 pm – 2.50 pm

– Lunchtime video *Link-Up Diary* (90 min) held in the Aboriginal Education Unit, Demountable 10 (building 49).

Food themes featured at lunchtime in the Union bistro, cafeteria and weigh-in (in the downstairs Eatery):

Monday April 17 – Early Settlement

Tuesday April 18 – Colonial Days

Wednesday April 19 – Gold Rush!

Thursday April 20 – Federation

Friday April 21 – Modern Times

There will be an Historic Display in the Union Bistro during Heritage Week.

Convenor: Dr Winifred Mitchell

University Heritage Week Committee

Friends of the University

Encompassing-Graduate Group
Community Involvement Committee
Projects Committee
Bequests and Benefactions Committee

Calendar of events

April 12

Graduate Group meeting,
5 pm in Administration, room 303. All graduates welcome.

May 8

University Day Address and presentation of Ethel Hayton Trophy to individual or group having done most to foster university-community relations.

May 10, 11, 12

University Graduation days. Special bottling of graduation wine will be sold.

May 19

Friends of the University Annual General Meeting, 5 pm. There are over 1,000 members. Come and have your say on the future direction of the Friends.

A fine, still day in May should see the installation of the Hargrave memorial sculpture.

Further information on this from Muriel on 27 0073.

Research Funds

The sources of research funds given below are available to members of academic staff. Further information including application forms may be obtained from Kim Roser (ext 3201). Intending applicants are reminded that all research applications must be forwarded through the Office of Research and Postgraduate Studies.

National Energy Research, Development and Demonstration Project Grants

The National Energy Research, Development and Demonstration Council has invited applications for grants to conduct energy research, development and demonstration covering the whole range of energy technology areas.

Shale Oil Hydrotreating Research and Development Grants

The National Energy Research, Development and Demonstration Council specifically invites applications for grants to support research and development on the upgrading characteristics of selected tertiary shale liquids.

NERDDC Applications close with the University April 28.

Scholarships, Fellowships and Prizes

NH&MRC Visiting Postgraduate Research Scholarships in Australia

The NH&MRC have invited applications from overseas medical and dental graduates to gain full-time research experience and enrol for a higher degree in Australia. The scholarship is tenable for two years.

Applications close with the University April 15.

Previously noted in Campus News

	Internal Closing Date
Australian Water Research Advisory Council Grants and Awards	April 14
NH&MRC Public Health Development Grants	April 14
Rudi Lemberg Travelling Fellowship	April 16
German Language Scholarships	May 1
National Heart Foundation Grants	May 17
Clive and Vera Ramaciotti Foundation Grants	June 16
Rikkyo Fellowships	June 16
Matsumae Fellowship	August 17
AINSE Fellowships	August 17
AFUW (Qld) Fellowships	September 16
Health and Community Services Research Grants	Any time

The Art of Lunch
Every Thursday from
12.35 to 1.35 pm
Details on page 7

eEOnews....

...brings good news for women

You may be interested to hear that the disturbing judgement handed down by Mr Justice Einfeld, President of the Human Rights and Equal Opportunity Commission, not to award damages in a NSW sexual harassment case (*Campus News* for 30 August 1988) has been overturned by the Appeal Court.

The case concerned Dr Attalah Sheiban, who was before the Commission facing charges of sexual harassment against three women while they were employed by him as receptionists in 1985. Although Justice Einfeld found Dr Sheiban guilty he refused to award the receptionists compensation for loss of wages or injury to feelings.

The Appeal Court overturned this decision as well as declaring that the period of sexual harassment be extended to cover the time the three women were being interviewed for the position. Justice Einfeld had determined that since the women had been successful in obtaining the position, no detriment had occurred to them in the pre-employment period despite the fact that they were subjected to offensive questioning during the selection interviews. The Appeal Court has also ordered Dr Sheiban to pay compensation.

This is certainly good news for women in the workplace and in education. Our sex discrimination legislation is very important and a valuable asset that could easily have been undermined had Justice Einfeld's decision been allowed to stand.

Peg MacLeod
EEO Co-ordinator

Concerts, Exhibitions and Entertainment

Major Exhibitions at the Long Gallery

A major exhibition for Session 1 was opened on Friday March 10 at the Long Gallery in the School of Creative Arts. Featured were works of members of the Wollongong Ceramic Society; Works on Paper, presented by third-year students and the SCA Arts Bachelor of Creative Arts graduates, and finally there were the recent acquisitions for The University of Wollongong Permanent Collection. This section of the exhibition closed last Sunday.

A second exhibition, entitled Art and War, will feature Melanesian fighting and ceremonial clubs from the collection of Leo Fleischman and others. The opening ceremony will be carried out by Dr Harry Beran (by invitation) on Friday April 14 and the display will be open to the public from Sunday April 16 to Sunday May 14. A third exhibition, entitled A Celtic Dimension, will feature the work of Fine Art Students from Dublin College of Art; ceramics by Robert Reid, formerly from Glasgow; and a harpsicord/dulcimer Celtic harp made by Don McDonald. The official opening (also by invitation) will be held on Thursday May 198 by Nick Vickers. Thereafter the displays will be open to the public from Friday May 19 until Sunday June 11.

The Long Gallery is open to the general public as well as to University staff and students Monday to Friday from 9.30 am to 12.30 pm and from 1.30 pm to 3.30 pm; and on Sunday from 1.30 to 3.30 pm.

During these times a sales area will be open.

Union Entertainment

The Battle of the Bands Talent Quest begins with Heat 1 on Thursday April 13, with further heats on Thursday May 4 and May 25. The final will take place on June 1.

Further information at the University Tavern Bar.

The Graduation Ball will be held on Friday May 12. Tables may be organised now. The seating plan will be finalised on Monday May 8.

The Tempest

The School of Creative Arts is to produce a season of *The Tempest*, a musical adaptation of Shakespeare's play, at the Bruce Gordon Theatre, Wollongong Performing Arts Centre, beginning on May 12.

Visiting artists Lynne Williams and Stephen Edwards have been brought from London to direct this exciting project.

Lynne is well-known in Wollongong for her previous innovative productions, particularly such shows as *West Side Story* and *Jesus Christ Superstar* with the Conservatorium Theatre Company. She has been working in London and Europe for the past four years as director, librettist, broadcaster, and performer.

Stephen is at the forefront of new music in London, both as a composer and musical director. He is at present working with Sir Peter Hall at the National Theatre and in London's West End. His latest work is about to open on Broadway.

This project is a continuation of their commitment to generating new works for the musical theatre.

The School is also fortunate in having Jose Aerts from Holland working as a visiting lecturer in Sculpture. She has a background in theatre design and performance work, and has been appointed to direct the design team for the production.

For your reservations: Wollongong Performing Arts Centre (042) 26 3366.

Admission \$16, concession \$10 (pensioners and students); school party members \$6.

Performance dates are May 12, 13, 17, 18, 19, 20 – 8.15 pm; May 15, 16 – 11 am (senior school performance); May 13 and 20 – 2 pm matinee.

The Tempest is on the HSC English list for 1989, so there are two school performances and two matinees.

Scott Joplin Concert

A performance of music by Scott Joplin, orchestrated by Wal Gregory, will be given at the Illawarra Performing Arts Centre on Friday May 12 at 8 pm.

Performers include The Palm Court Orchestra with pianist Nadia Kokot. Soprano Vera Troitsky will sing arias from Joplin's ragtime opera *Treemonisha*.

Admission charges are \$12 and \$8 (concession). Phone bookings: (042) 26 3366.

The Art of Lunch

The Art of Lunch started in 1988 as a showcase of weekly performances for School of Creative Arts' activities. It features staff, students and visitors to the School in a diversity of arts activities. This session's program features an exciting mixture of cabaret, concerts of Baroque, contemporary and popular music, writers reading from their own work, short plays, and visual arts events. All performances are free and open to the public and are held weekly on a Thursday (during session lunchtimes from 12.35 to 1.25) in the Music Centre, Building 24, on the western side of the campus. The School of Creative Arts is a unique and extraordinary department. *The Art of Lunch* is the School's gift to the University and the community at large.

April 13: Playwright Alex Buzo is writer-in-residence at the School of Creative Arts in 1989 and will read from recent work. Venue: Theatre.

April 20: John Stender presents a recital of Baroque music for violin and harpsichord. Venue: Music Auditorium.

April 27: Theatrical things including mime, juggling and satirical sketches as Short Back and Sides presents Half a Pound of Lentils. Venue: Music Auditorium.

May 4: Third-year Bachelor of Creative Arts music students Kathleen Brennan (soprano) and Scott Saunders (baritone) present a shared vocal recital. Venue: Music Auditorium.

May 11: Staff and students from the School of Creative Arts present readings of new prose and poetry. Venue: Theatre.

May 18: New scripts #1: Head of Theatre at the School of Creative Arts, Jeff Kevin, leads third-year directing students in the first of two programs of new work. Venue: Theatre.

May 25: Final-year Bachelor of Creative Arts students Sue- Ellen Lynch (flute) and Nicole St. Ian (viola) are joined by Vanessa Lucas (violin) in Beethoven's Serenade Op. 25. The program will also feature the first performance of Andrew Ford's *Swansong for solo viola*. Venue: Music Auditorium.

June 1: New scripts #2. New theatre. Venue: Theatre.

June 8: Wipe away the end of session blues with a Cabaret performance by Music Theatre students lead by Wayne Dixon. Venue: Music Auditorium.

Inquiries: (042) 27 0987 or (042) 27 0996. Parking: enter by Western Entrance, Northfields Avenue. Admission: free. Convenor: Andrew Schultz.

Wanted! – Audience to Attend Free Recitals

The Psychology Department of the University of Wollongong and the Conservatorium of Music invite interested members of the community to form an audience committed to attend, free of charge, three 1hr 15min recitals to be given in the University Music Auditorium (ex-Teachers College Auditorium) at 7.30 pm on Friday(s) April 28 and June 9.

The recitals will involve 15 advanced student performers participating in a research project centred on *Psychology of Performance*.

It would be desirable if those wishing to take part commit themselves to attending all three recitals, and provide an anonymous rating of the performance by each artist according to a single scale outlined in the program.

Intending participants should register their interest by phoning the Conservatorium on 28 1122 or 27 0533.

Advertisements

SALE BY TENDER

The University has a Metrotech underground pipe-and-cable locating machine available for sale by tender. For inspection contact Keiran Shepherd, Buildings and Grounds, on ext 3994. Tenders should be placed in a sealed envelope addressed to Business Services, the University of Wollongong, PO Box 1144, Wollongong 2500, and noted on the outside front Tender for pipe and cable locator. Tenders close 11.30 am April 21.

Also for sale by tender is an Apple Macintosh 512K Computer with 800K internal drive, 400K external drive, Imagewriter 2 printer, manuals and software. Excellent condition. No guarantee is offered on either of these items. Terms of sale are cash or bank cheque. Sold as complete set. For information contact R. Lilley (042) 27 0431. Tenders close 11.30 am April 14. Tenders should be placed in a sealed envelope addressed to Business Services, The University of Wollongong, PO Box 1144, Wollongong 2500, and noted on the outside front Tender for Apple Computer.

WANTED

Visiting lecturer requires furnished accommodation for three people from July 1989 onwards. Contact M. Atkins, ext 3759 (29 5740 ah) or the Department of Information Systems, ext 3958.

TO LET

Two-bedroom penthouse, 2 bathrooms, 3 open balconies, lock-up garage, close to Wollongong hospital. Phone 27 0081 before 2 pm or 28 8669 after 2 pm.

HOUSE EXCHANGE, Cambridge UK/Wollongong

Cambridge: Family home overlooking fields, on the edge of a pretty village 8 miles NE of Cambridge (15 mins by car, regular bus service used by University members). Converted, end two cottages of a terrace, brick-built 1906, private drive, garage. Five bedrooms (one double), bathroom, shower room, living room, dining room, kitchen, lounge, breakfast room, cloakroom. Full central heating (solid fuel). Furnished, including dishwasher, washing machine, TV. Available late October 1989 till mid-April 1990.

Exchange for similar accommodation for family (six members) in or near Wollongong for the same period or January-April 1990. Contact Associate Professor Tony Hulbert, Biology, ext 3437.

FOR SALE

Macintosh 512 Computer plus Macwrite Software, \$1850. Phone ext 3023 or 67 1037.

Seminars

School of Learning Studies – Session 1

All sessions are on Wednesdays at 12.30 pm in Room 21.104. Coffee and tea provided

Date: April 12

Topic: *Secondary School Vocational Education: The Papua New Guinea Exercise.*

Speaker: Dr Michael Wilson.

Date: April 19

Topic: *Some Curriculum Issues in the New Syllabus Document 'Contemporary English' and 'Writing K-12'.*

Panel: Dr Ted Booth, A/Prof Brian Cambourne, Dr Anne Cranny-Francis.

Inquiries to Bill Winsor, ext 3963.

Department of Electrical and Computer Engineering

Topic: *Research in Electric Drives at Wollongong University.*

Speaker: Dr D. Platt

Date and Time: Monday April 17, 3.30 – 4.30 pm.

Venue: Room 20.5.

Department of Psychology

Topic: *Neural grafts and restoration of memory: Implications for Alzheimer's disease.*

Speaker: Associate Professor Nigel Bond, School of Behavioural Sciences, Macquarie University.

Date and time: Tuesday April 18, 12.30 pm.

Venue: Social Sciences Building, 19.1056.

Special Biomedical Seminar

Sponsored by STS and Department of Biology.

Title: *Comments on Discrepant Findings on Phenoxy Herbicide Exposure and Cancer.*

Speaker: Associate Professor Lennart Hardell, Department of Oncology, University Hospital, Umea, Sweden.

Date and time: Tuesday April 18, 12.30 – 1.30 pm.

Venue: Building 35. G19.

Department of Chemistry

Date and time: Friday April 14, 11.30 am.

Topic: *Antibodies, chemistry and working out how the brain works.*

Speaker: Dr Anthony Hodgson, Uniadvice.

Venue: Room 18.206.

Date and time: Friday April 21, 11.30 am.

Topic: *Biomass burning – a source for atmospheric trace gases.*

Speaker: Mr Jurgen Lobert, Max Planck Institute of Chemistry, Air Chemistry Department, Mainz, W. Germany.

Venue: Room 18.206.

Department of Physics

Date and time: Monday April 17, 12.30 pm.

Topic: *Quark and Gluon Jets: trails of colour in a colourless world.*

Speaker: Professor L.M. Jones, University of Illinois at Urbana – Champaign.

Venue: Room 18.118.

Department of Computing Science

Date: Friday April 14, 1.30 pm

Venue: Room 15.206A

Topic: *The Design and Simulation of Microprocessor Control Systems.*

Speaker: Dr Ian Gorton, Lecturer, Department of Computing Science, The University of Wollongong.

Visitors parking on University grounds will be charged a parking fee of \$1. This fee will be reimbursed by the department.

Alex Zelinsky
Convenor

Department of Philosophy

Date: Friday April 14, 10.30 am

Venue: Department of Philosophy Seminar Room, North Wing, Social Sciences Building, The University of Wollongong.

Speaker: David Braddon-Mitchell, The University of Wollongong.

Topic: *For Causal Reductionism.*

Inquiries to Ms S. Uniacke, (042) 27 0604.

All welcome.

Department of Accountancy

Seminars have been scheduled for March and April of this session. All seminars are held in the Social Sciences Building, Room 2001, in the Department of Accountancy starting at 11 am.

Date: Friday April 14

Topic: *Growth of Small Manufacturing Business in Sri Lanka.*

Presenter: Dr H. Wijewardena, Department of Accountancy.

Everyone interested is cordially welcome. Inquiries to Hai Yap Teoh, tel. 27 0625.

Biology Seminars Session 1

Biology Department, Building 35 G19, 12.30 pm.

Tuesday April 18 – Dr E.J. Steele, Department of Biology, The University of Wollongong, *Herbicide exposure and birth abnormalities: re-evaluation of some key published data considered by the Evatt Royal Commission.*

Tuesday May 9 – Dr John Andrews, Research School of Biological Science, ANU, *Subunit interaction and mechanism of Rubisco.*

Tuesday May 16 – Dr Steve Handell, Rutgers University (visiting the School of Biological Science, Macquarie University), *Plant population structure and pollination dynamics.*

Tuesday May 23 – Dr Karen Chad, School of Health Sciences, The University of Wollongong, *Metabolic rate: mechanisms and physiological significance in the prevention and treatment of mild obesity.*

Tuesday May 30 – Dr Andy Davis, Department of Biology, The University of Wollongong, *Title to be announced.*

Tuesday July 4 – Dr Roger Truscott, Department of Chemistry, The University of Wollongong, *How to stop rats getting cataracts.*

Department of Civil and Mining Engineering Research Series – Session 1

Venue for the seminars will be Room 138 Building 4, Photogrammetry Laboratory. Morning tea will begin half an hour before each session. All postgraduate students of the Department are expected to attend; all others are welcome.

Date and time: April 14, 12.30 to 1.30 pm.

Speaker: Professor R.W. Upfold.

Topic: *Fires, Explosions and Risk.*

Date and time: April 21, 11.30 to 12.30 pm.

Speaker: Professor A. Samarin.

Topic: *New Cements and Concretes*

Date and time: April 28, 12.30 to 1.30 pm.

Speaker: Mr T. Mowbray.

Topic: *High-speed Desk-top Computing.*

Date and time: May 5, 11.30 to 12.30 pm.

Speaker: Professor A. Hargraves.

Topic: *Gas Dynamic Phenomena in Underground Mines.*

Date and time: May 12, 12.30 to 1.30 pm.

Speaker: Dr V.U. Nguyen.

Topic: *Updating Expert Knowledge.*

Date and time: May 19, 12.30 to 1.30 pm.

Speaker: Professor Y.C. Loo.

Topic: *Integrated Design of Multi-Storey Reinforced Concrete Flat Plates on Personal Computer.*

Date and time: May 26, 12.30 to 1.30 pm.

Speaker: Dr M. Sivakumar.

Topic: *Oxygen Transfer at Air-Water Interface: Wind Effect on Reaeration.*

Date and time: June 2, 11.30 to 12.30 pm.

Speaker: Professor C. Gerrard.

Topic: *Strength and Deformability of Rock Joints*

Date and time: June 9, 11.30 to 12.30 pm.

Speaker: Professor D. Carmichael.

Topic: *Analysis of Construction Operations.*

For further information contact the Secretary, Department of Civil and Mining Engineering, The University of Wollongong, NSW 2500. Tel: (042) 27 0040, Fax (042) 26 0238.