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Taking the lid off research



A significant and dramatic upsurge in research activity has highlighted the University's growth in recent years. The number of Doctor of Philosophy candidates enrolled and the identifiable research expenditure have more than doubled in five years.

Left: Mr Ray Davies, National Australia Bank, the Vice-Chancellor, Professor Ken McKinnon and Mr Richard Groom, Associated Pump and Paper Mills; centre: Professor Ian Chubb, Deputy Vice-Chancellor and Chairman, Board of Research and Postgraduate Studies with Helen Paulucci and her research project 'Mental Process and Conasciousness'; bottom: Yang Yan explains her project 'Strength and Stability of Masonry Arches' to John Shaw

Postgraduate students undertaking research held their second Open Day on Friday September 29 for the public and the campus community. Some 100 students presented their research projects in the form of displays or oral presentations.

The day was opened by the Vice-Chancellor at 3.30 pm in the Pentagon. During the opening the University's Research Report for 1988/89 was released.

A Postgraduate Research Scholarship in Commerce has been established with funds donated by the National Australia Bank. The scholarship will provide the opportunity to undertake a full-time PhD degree at the University and will offer an attractive stipend of \$15,000. The scholarship has been awarded to Sudhin Chandra Lodh to undertake the course of Doctor of Philosophy in the Department of Accountancy and Legal Studies. The cheque was presented by Mr Ray Davies. Mr Richard Groom from Associated Pulp and Paper Mills presented a cheque for \$7,000 to establish an Honours Scholarship in Chemistry to determine and check the level of heavy metals in the waste sludge from paper mills used as an organic booster for soil.

Prizes were awarded to Peter Wypych for the best PhD thesis and to Kaye Lowe for the best Masters thesis; to Andrew Warner for the best poster and to Helen Paulucci for the second best poster. The best talks were given by Budi Notowidjojo, Sue Curtis, Brenda Parkes, David



General Notices

Secondary schools link project

'If we can do it, so can you'

How can secondary school students in Wollongong learn the importance of further study after completing school? Twenty University of Wollongong students have been taking part in a Department of Employment Education and Training-funded project designed to tell secondary school pupils just how tertiary education can benefit them.

The university students taking part in the project come from different social backgrounds and have any number of interesting and often funny stories to tell of their own experiences, while providing information about the support services and degree structures they are familiar with.

Above all, they will be saying to school pupils, 'If we can do it, so can you.'

The project aims to interest students from non-English-speaking backgrounds, Aboriginal students and students from lower socio-economic backgrounds, and also to encourage young women to enrol in non-traditional areas. Therefore the student role models had to fit within these categories, in order to maximise their impact on such disadvantaged groups.

The research team has been delighted with the response from the student body to the project, and with the talent and enthusiasm displayed by those taking part. The project aims

Building construction: keep clear

Staff and students will be aware of the building construction in progress on and off the main campus. Mr K E Turnbull, Manager, Buildings and Grounds, reminds everyone on campus that during construction the builder has possession and control of the building site and is legally responsible for the site, particularly in relation to matters of safety. Persons other than employees of the builder, contractors, sub-contractors and those directly involved in the building activity are not permitted to enter the site unless specifically invited by the builder (the principal contractor). Any other person entering the site is subject to the law of trespass.

Any person having a specific reason to enter a building site should contact the Manager, Buildings and Grounds, who can then seek the approval of the builder. Mr Turnbull asks for everyone's co-operation in observing these requirements in the interests of safety and points out that a tragic fatality recently on one of the sites emphasised the inherent danger of building sites.

No posters, please

Students and staff are reminded that notices and posters are not to be displayed on buildings, doors, windows, light posts, trees and steps. Notice boards and poster bollards are provided in various places on campus specifically for the purpose of displaying notices and posters. The cleaning staff, patrol staff and grounds staff have been instructed to remove any notices and posters which are not appropriately displayed.

to demonstrate to students in 11 targeted schools that higher education is a viable option and the value of the input provided by the participating students is increasingly evident as they work with and support the team.

The project is part of the University of Wollongong outreach activities and complements existing NSW Department of Education Staying On programs, the work of the Aboriginal Education Unit and existing liaison activity at the University. Already the team members have had very positive feedback from the targeted schools, whose principals, career advisers and leading teachers have asked for such activity to be continued and expanded.

The research project is co-ordinated by Dr Noeline Kyle and has as team members Ms Gay Tapp, Ms Jan James, Dr Ted Booth, Mr Stephen Darcy and Professor Ron King. Ms Gay Tapp has been employed as a Research Officer and has been a key person in the implementation of the project and Ms Jan James has played a pivotal role in co-ordinating and briefing the students who have been employed to go out into Illawarra schools.

The project has given exciting and valuable experience to all concerned. The team is evaluating it and will produce a report on it by the end of 1989. It is hoped that the project will be continued in 1990 and in years to come. Given the positive response already received from local secondary schools and the valuable input from the talented and enthusiastic university students involved, the team will certainly make every effort to see that local youth continues to be informed and encouraged in this way about academic study at the University of Wollongong. – Dr N. J. Kyle, Deputy Head, School of Learning Studies, ext. 3374.

University Council elections

The University of Wollongong Act, 1972 (as amended) will be repealed on 31 December 1989 and a new Act, The University of Wollongong Act, 1989, specifying a new composition of Council, takes effect from 1 January 1990. Accordingly, the University is conducting elections for the new Council to take effect from 1 January 1990.

Nominations are called for election to the following positions on the University Council:

1. One student member
2. Four Convocation members
3. Two academic staff members
4. One non-academic staff member

Nominations close on October 13 for students, October 30 for Convocation and November 9 for staff.

Detailed notices of election will be displayed on several University notice boards and, for the Convocation election, advertised in the *Illawarra Mercury* and *Sydney Morning Herald* on October 14. For further details contact Ms Marie Cooper (ext 3947).



The presentation at Wollongong High School on September 21. Professor Murray Wilson, Rebecca Gilbert, Jane Wasley and Mr Andrew Morgan (teacher of Geography at Wollongong High School) with Dr Hillary Winchester, Lecturer in the Department of Geography

Geography Awareness Week

*Wollongong High School Students
win both prizes*

The winners of the Geography Awareness Week competition are both school students from Wollongong High School. Jane Wasley (aged 16) and Rebecca Gilbert (aged 15) both completed successfully a geographical crossword which was run in the *Advertiser*.

Jane won the *Family Pictorial Atlas of Australia*, a prize sponsored by the University Co-operative Bookshop. Rebecca won a panoramic wall map of Australia, sponsored by Map Graphics of Leichardt.

Statistics

Some vital questions

Do you use statistics in your research? Might you need statistics in your research? And, if you answered 'no' to each of those questions, here is a third question: Are you sure?

The subject of statistics is needed in an increasingly wide range of disciplines. In recognition of that fact, the Board of Research and Postgraduate Studies established the position of Director of Statistical Consulting in order to provide statistical assistance for staff and postgraduate students. Dr Ken Russell was recently appointed to this position (see *Campus News* September 12).

Ken will give a lecture entitled *The statistical consulting service: what it can do for you* in Lecture Theatre 35.G19 on Wednesday October 18 at 12.30 pm. In this talk, he will describe the varied activities of the service and how these can be used by staff and students doing research and by staff teaching postgraduate and undergraduate students. Planning investigations, collecting and analysing data and writing reports and conclusions are the main areas where assistance is provided – in *decreasing* order of importance. The lecture is open to everyone.

If you do statistics you are probably writing the date in your diary this minute. If you answered 'no' to the first two questions of this item, or if you think that you only call on a statistician when you need a salvage job done on a paper, come along anyway. You may be in for a big surprise!

Australian Institute of Management

A two-day Strategic Business Skills Workshop will be held on Thursday and Friday, October 19 and 20, at the Illawarra Technology Centre, The University of Wollongong. Cost will be \$245 per person (including course notes, lunch and refreshments). For information contact AIM (042) 27 0075 or 27 0555 ext 3075.

On top of spaghetti ...

More than 100 local secondary school students tested their skill and creativity in the BHP Ingenuity Games at Westfield Warrawong earlier this month, held as part of the Professional Engineers Week. The ingenuity of the students was thoroughly tested as they came to grips with their materials – spaghetti and glue for a bridge able to support a 0.9 kg trolley; a mousetrap to power a racer.

Eight local secondary schools and the University of Wollongong were represented in the Illawarra competition which was judged by Warwick Powis, BHP Chief Mechanical Engineer, and Dr Sivakumar from the University. Mr Powis commented, 'Some of the bridge designs were excellent. Not all followed the principles of structural engineering but about half the designs were capable of supporting the trolley'. Nghia Diep of Smiths Hill High School won the spaghetti bridge section for secondary school students with a 48.0g bridge – only 2g heavier than Jasmadi Johari's winning bridge in the tertiary section. Rory Kenrick, Craig Skinner, Bubravko Akmacic, Gary Jan, Steven Mazzini, Sammy Scolamiero, Stuart Laird and Luis Garis teamed up to win both sections of the mousetrap racer competition. Their entry covered the 15 metres in 20.18 seconds and travelled 30.54 metres. Winners in each section received \$150, runners-up received \$75.

Barbarismo – the Gupta affair

The University of Wollongong Geological Society is hosting a special lecture to be given by Associate Professor John Talent of Macquarie University.

Professor Talent is a world leader in Devonian Brachiopod research and has recently appeared in the international press concerning his exposure of an alleged Himalayan fossil fraud.

Professor Talent will speak on *Barbarismo – the Gupta affair* in which he will discuss aspects of the case. The lecture will start at 12.30 pm in room 35G19 on Wednesday October 11.

'Only small-scale development benefits the really poor'

Dr Edison Dayal, Senior Lecturer, Department of Geography, has been on study leave in Bangladesh and at the World Hunger Program, Brown University, Providence, Rhode Island, USA.

His pioneering work on 'the nutritional wage', using areas smaller than states and measuring poverty by regional standards, has aroused much interest and controversy. His course on 'Food, Nutrition and Hunger' is now part of the core course in the Nutrition Degree.

Overcoming Hunger: Reviewing the Effort was the topic that drew more than 150 people from around the world to the Brown University campus for the second annual Hunger Research Briefing and Exchange. The theme of the three-day conference grew out of the World Hunger Program's new initiative *Ending Hunger: Halfway There* – a project designed to trigger a major new international effort to end at least half of the world's hunger within the next decade.

Speaking of current conditions in Bangladesh, Dr Dayal noted that living standards there have been worsening and individual incomes are being eroded. In order to explain these conditions in terms of nutritional impact, Dr Dayal used the concept of a nutritional wage. He defined the

nutritional wage as the quantity of nutrition from the minimum diet that can be purchased by an agricultural wage to replace lost energy and to sustain dependents. Nutritional intake depends on the cost of basic food, wages, size of household, number of wage earners in household, and employment opportunities open to wage earners.

After comparing the cost of basic food and wages over time, Dr Dayal noted that the cost of a basic diet has been increasing much faster than the money value of wages. Therefore, the nutritional value of wages has been declining – a conclusion at odds with a World Bank study.

Dr Dayal asserted that only small-scale development will improve the living conditions of the poor. In developing micro-enterprises, he advised donor agencies to consider three points:

- give the benefit directly to the target population, exclude middlemen
- do not give large sums of money but consider leveraging projects with small amounts of seed money
- do not fund projects that will make developing countries more dependent on the industrialised world.

In response, Ellen Messer of the World Hunger Program asked researchers to look at the problems of food deprivation which occur when there is sufficient food but the decisions being made on what to eat are inadequate or inappropriate. By looking at the resource allocation decisions made by the marginally hungry, she said, we may be able to plan effective interventions that will contribute to the overall alleviation of hunger.

South Africa: Academic freedom is not enough

Members of The University of Wollongong Club and their guests were entertained on Friday evening September 15 by Professor Helen Garnett, Professor of Biology. Based on 15 years working in the University of Witwatersrand (Wits), Johannesburg, Professor Garnett gave a fascinating talk on university life in South Africa.

Many of the issues which were confronting Australian universities, she said, had arisen in South African universities in recent years; many of them before her return to Australia. She spoke of the introduction of 'staff evaluations' in 1984, academic support programs for disadvantaged students, one-line budgets, the introduction of research program grants, and so the list went on.

As Professor Garnett had worked at Wits, her talk was centred around that university. She did, however, provide statistics for all the universities and general statistics such as the numbers of different races (blacks, whites, coloureds) attending university, the matriculation levels involved and the sums expended on secondary education.

Professor Garnett noted, on her return to Australia, a decline in the standard of literacy among Australian students entering university from that of 10 years ago. She thought that white South Africans had a higher standard of secondary education than did Australians but pointed out that money spent on education for white South Africans was 66 per cent more than that for the next highest category, the Asians.

Professor Garnett spoke of the universities' handling of the political situation. In order for her audience to understand the implications on the universities of the political situation, she presented a brief outline of the history of

South African policies regarding higher education. This included the creation of universities by the Government for specific groups and the reaction to Government activities in education by the major English-speaking universities, particularly in recent years, and the following apposite quote from Wits:

It is not enough to affirm the narrow interpretation of academic freedom entailed in the four freedoms, namely the right of the universities to determine for themselves on academic grounds who may teach and what may be taught, how it shall be taught and who may be admissible to study.... Academic and human freedom are indivisible. – MF

Study Tour of Middle East

Australian Academics for Peace in the Middle East (AAPME) is organising its 10th study visit to Egypt and Israel beginning on 2 January 1990. It will start in Cairo and after one week will move to Israel for a further 10 days, concluding on January 20.

The association exists to promote informed discussion on the conditions for a just and lasting peace between the state of Israel and the Arab world. During the proposed tour, participants will receive high level briefings on the political, military and social aspects of the Middle East situation.

The missions are organised with the co-operation of the authorities in each country concerned. Costs include return air travel (approx. \$2050), accommodation and most meals (approx \$1400). The trip also includes a number of excursions to historical sites.

For further information contact Dr C Rubenstein, Department of Politics, Monash University, Clayton, VIC 3168. Telephone (03) 565 2413, fax (03) 565 5499. Applications close on October 20.

Student intakes and academic developments discussed

Representations from the Department of Employment Education and Training (DEET) visited the University on Thursday September 21 for discussion on the University's Education Profile. DEET representatives were: Mr Bruce Milligan, First Assistant Secretary, Higher Education Division; Professor Peter Sheehan, Pro Vice-Chancellor and Academic Director of Research, University of Queensland; Ms Joan Kennedy, Acting Secretary, Institutional Developments Branch; Ms Trish Moran, Director, Operating Grants Section, Higher Education Grants Branch; Mr Brian Watt, Director, Programs Section, Equity and Programs Branch; and Ms Marion McDowell, Secretary. The main item for discussion was current and projected student intakes and load; capital proposals, new academic developments and equity were also discussed.

Visitors on Campus

On September 11: The British Consul-General, Mr Colin Wilson, and his wife.

On September 14: The High Commissioner for the Republic of Zambia, His Excellency Mr Jason Mfula.

On September 29: Dr Joan Solaun, Director, International Programs, Illinois University, to negotiate an exchange agreement.

1989 Multicultural Week

Monday October 16

12 pm Clubs and Societies display in Union Hall until 2 pm on Wednesday October 18.

12.30 pm Lunchtime Forum, on Central Square. Guest speaker the Hon. Comm. A.J. Grassby.

6pm Official opening of Multicultural week in Union Hall by Mr Eric Meadows, Director, University International Office.

Tuesday October 17

Lunchtime 'Aussie Day' with Van Diemens Band.

Music in the Bistro by *Isabella*, singer/guitarist.

Wednesday October 18 – Market Day

Clubs and Societies stalls on Central Square.

Lunchtime Entertainment by *Short, Back and Sides*, the well-known trio, 12.30pm, Central Square, see page 7.

Music in the Bistro by *Maria Tekirdaglis*, guitarist

Evening Uni movies, Union Hall, 7.30 pm.

Thursday October 19

Lunchtime *Oktoberfest* on Central Square.

Music in the Bistro by *Greg Kuhnert*, piano and *Karen Andrews*, vocalist.

7.30 pm Family Night in the Union Hall.

Friday October 20

8 pm Union Hall. Pianoforte Recital by Manlio Antonino Berté, see page 7.

Different themes will be featured in the Union's food outlets during the week and there will be an art exhibition in the Union Bistro by *Four Friends*, Jessie Carfield, Carol Erickson, Daisy Huckel and Kay Norington.

Books and Reading

What prehistoric plants can tell us

Plants in Australian Archaeology, edited by Wendy Beck, Anne Clarke and Lesley Head

Research on plant remains from Australian archaeological sites has increased dramatically in the last decade or so but is not as well developed as analysis of stone tools or bones. Yet many of the questions being asked by archaeologists about prehistoric Aboriginal lifestyles cannot be satisfactorily answered without consideration of the role of plants.

For example, to what extent were plant foods a staple part of Aboriginal diets? Is the gender division of labour described in the ethnographic record, whereby women were primarily responsible for gathering plants and men for hunting game, visible archaeologically? Did Aborigines utilise resources more intensively in the last three to four thousand years, and was this associated with increases in population?

This book was prompted by the editors' experiences in archaeobotanical research and their roles in developing related courses at the tertiary level. The most recent text on methodology in Australian archaeology did not include any material on the analysis of plant remains, while the classic northern hemisphere texts are not necessarily suitable either for Australian conditions or for hunter-gatherer archaeology.

The purpose of the book was therefore twofold. First, it was designed to provide an accessible handbook describing how to collect, analyse and interpret plant remains relating to hunter-gatherer archaeological sites. It was felt that this would form a useful reference for students and professional archaeologists alike. Contributors cover different types of plant remains such as charcoal, pollen, food debris, string, phytoliths and plant residues adhering to stone tools.

Second, each contributor was asked to include a case study that demonstrated the application of the technique in a research context. The case studies include examples from Kakadu National Park, Papua New Guinea, the Queensland coast and Western Victoria. The editors' introduction provides a review of plant remains in hunter-gatherer archaeology.

Plants in Australian Archaeology is the first volume of *Tempus*, a new monograph series published by the Anthropology Museum, University of Queensland. It is available for \$20 plus \$4 postage from *Tempus*, Anthropology Museum, University of Queensland, St Lucia, Queensland 4067.

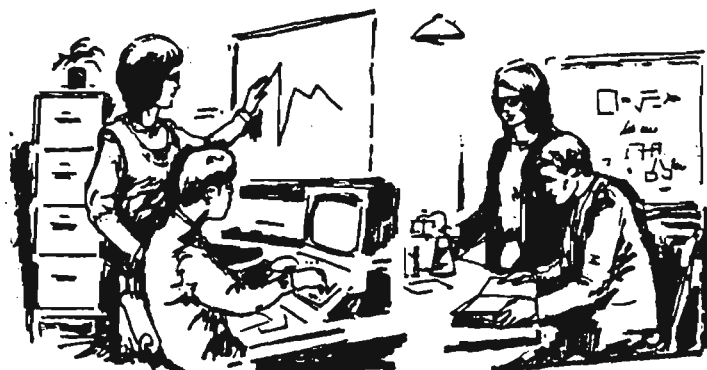
Wendy Beck lectures in Archaeology at the University of New England.

Anne Clark lectures in Cultural Heritage Management at Charles Sturt University, Murray Campus.

Lesley Head lectures in Geography at the University of Wollongong.

Centre for Work and Labour Market Studies

On Thursday October 26, CWALMS will present a one-day seminar on Award Restructuring in Kemira Rooms 1, 2 and 3 in the Union Building, starting at 9 am. Convener: Associate Professor Ray Markey. For cost and details ring June Aspley on 851582, 851654 or ext 3983.



Staff Roundup

Recreation & Long Service Leave Applications

As it is approaching the time when we are all considering taking leave at Christmas we would like to remind all General Staff of the following conditions relating to Recreation and Long Service Leave Applications.

1. Only staff who belong to the FMWU or are proceeding overseas on leave are entitled to Pay-in-Advance.

For those employees proceeding overseas and wishing to be paid in advance, please attach to your leave application proof of your travel arrangements. If there are no supporting documents attached to your leave form pay-in-advance will not be granted.

Remember an advance is made only for those pay days that you will be absent and this will be paid to you in the last pay you receive before commencing leave.

Please ensure that all leave applications requiring payment-in-advance are received in the Salaries Office no later than three weeks prior to commencing leave.

For those employees not receiving pay in advance, your pay will be deposited into your account each fortnight as usual.

2. Leave loading is payable in the first pay in December of each year. This does not apply to FMWU members who have received a Leave Loading during the year 1/12/88 to 30/11/89.

If there are any queries regarding the above or any other matter concerning salaries contact the Salaries Office on extension 3914 or 3930 for assistance.

Christmas Pay Periods

Owing to the restricted time available for salary preparation, for the pay days 21 December 1989 and 4 January 1990 the following close off dates will apply:

Pay due 21 December 1989

All salary variations and overtime sheets to reach Personnel Services not later than 4pm, 8 December 1989.

All time-sheets for casual staff and part-time teaching returns to reach Personnel Services not later than 4pm, 13 December 1989.

Pay due 4 January 1990

Overtime sheets to reach Personnel Services not later than 4pm, 15 December 1989.

All time-sheets for casual staff and part-time teaching returns to reach Personnel Services not later than 4pm, 21 December 1989. Time-sheets, overtime sheets and part-time teaching returns received after the respective cut off dates will not be paid until the next available pay.

Owing to the limited time available for processing pays for pay days 21 December 1989 and 4 January 1990 variations to salary deductions, the inclusion of additional deductions and changes to salary accounts may not be processed until the pay of 18 January 1990.

Staff proceeding on recreation leave and requiring pay in advance (under the new leave provisions) are reminded that such application must reach Personnel Services not later than three weeks prior to their last day of duty.

Salary payments for casual staff who have worked up to 31 December 1989 will be charged against 1989 accounts providing the time sheet reaches the Salaries Office by no later than 4pm on 21 December 1989. Any salaries not paid by the first pay day in 1990 will be a first charge against 1990 funds.

If there are any queries regarding the above please do not hesitate to contact our Salaries Office on extension 3914 or 3930.

Staff Development Courses

Selection Techniques Workshop for General Staff

Two remaining workshops are to run for General Staff in 1989.

October 30-31 (RSVP October 16)

November 15-16 (RSVP November 1)

Book early to avoid disappointment.

Management development for academic women

November 14 (one day)

A workshop for academic women which addresses the specific concerns of women in the academic profession. The workshop will be conducted by Lynne Wenig who is an experienced management consultant and ex-academic. Topics will include leadership styles, network analysis, power inventory and other issues of concern to the group with the view to developing actions steps which will be presented in a plenary session.

Nomination forms for Staff Development Courses can be obtained from Shirley Jorgensen ext 3946.

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 Postgraduate Studies.

National Campaign Against Drug Abuse

Applications are invited for grants for research into drug abuse.

Applications close with the University any time.

Scholarships, Fellowships and Awards

National Heart Foundation Science Research Scholarships

Applications are invited for Science research scholarships leading to the degree of Doctor of Philosophy.

Applications close with the University on October 17.

Heroic Materialism and the Natural Order

Three new exhibitions, by John Eveleigh, Karl Preuhs and Edith Kouto, open on Friday, October 13, in the Long Gallery. John Eveleigh's DCA submission, titled *Heroic Materialism and the Natural Order*, falls into two groups, Australian industrial scenes (heroic materialism) and New South Wales landscapes (the natural order). This exhibition is concerned with an aesthetic response to industry and landscape,' Eveleigh writes. 'Clearly, industry and technology underpin and shape contemporary societies. Equally life on earth is dependent on a fertile earth, forests, unpolluted air and water. The problem is to balance the equation. In many areas of the world we have failed to do so and the effects are increasingly catastrophic.

'As an artist I address the equation without offering any trite solutions. I record human industrial ingenuity, which is nothing less than heroic, alongside natural landscape which supports the rich variety of life forms unique in our planetary system.'

Karl Preuhs' ceramics are, he says, new expressions of old tradition. All exhibits are traditionally glazed and reduction fired, a process which slowly draws pigments to the surface, creating rich colours. 'I trust that these works, which are steeped in tradition, are vigorous, honest and contemporary in their approach to a very old medium.' Edith Kouto's 'Smaller Landscape Paintings of New South Wales' are a special feature in the Gallery's Sales Area.

The triple exhibition will be opened by the Vice Chancellor, Professor Ken McKinnon, at 8 pm on Thursday October 12 and will be open to the public from Friday October 13 to Sunday November 12 (Monday to Friday 10.30-12.30 and 1.30 to 4 and Sunday 1.30 to 4).

Eat Wollongong? Short, Back and Sides

The three students of the University's School of Creative Arts are half-way through their four-week residency at the Tilbury Hotel, Woolloomooloo, a comedy venue in inner Sydney, on Thursday, Friday and Saturday nights.

The University of Wollongong Union is assisting in sponsorship of the comedy trio's participation in next year's Adelaide Fringe Festival and is also sponsoring:

A performance at lunch-time (12.30 pm), Central Square, on Wednesday October 18 – Market Day of the Union's Multicultural Week, see page 5.

Two two-hour performance workshops (12 to 2 pm) in the Union's Kemira Room on Monday October 23 and Tuesday October 24. The workshops are free and spectators are encouraged to join in.

A performance with workshop students in the evening (8.30 pm) in the Union Common Room on Tuesday October 24.

**The Art of Lunch
Every Thursday from
12.35 to 1.25 pm**

Concert by Manlio Antonino Berté

Multicultural Week ends with a pianoforte concert by Manlio Berté from Milan, Italy, in the Union Hall on Friday October 20 at 8 pm.

A pianist of admired keyboard technique and interpretative style, Berté graduated from the Giuseppe Verdi Conservatorium of Music in Milan. He studied under renowned pianists, drawing major inspiration from Mozzati. Still in his early 30s, Berté is a Conservatorium Professor of Pianoforte. His early and varied musical activities included the composition of a successful trio for pianoforte, voice and flute. He is now wholly dedicated to pianoforte performances and following an intensive concert program has given recitals at important cultural centres throughout Italy.

The evening's program will include Bach's *Prelude and Fugue No 19 from The Well Tempered Clavier, Vol I*; Bach-Busoni, *Chaconne* (ed 1920); Beethoven, *Sonata No 31 Op 110*; Brahms, *Variations on a Theme by Handel, Op 24* and Chopin, *Scherzo No 2 Op 31*.

Marilyn Meier returns – briefly



Pianist Marilyn Meier, currently enrolled in the Doctor of Creative Arts program at the University of Wollongong, where she is Guest Lecturer in Music Performance, who has returned to the University after three months in Europe and the United States

In May Marilyn Meier started a tour which included performances in Zurich, Amriswil, Vienna, Salzburg, Cincinnati and New York. All recitals were highly successful and further overseas engagements are being arranged.

Since her return to Australia in August, Marilyn has been honoured as the 1989 winner of the Bridgestone Australia Ltd Arts Award which was part of the Channel Ten Young Achievers Awards. She performed with the City of Wollongong Symphony Orchestra on September 9 and gave a recital in the Vestibule, Sydney Town Hall, on September 10.

In November, Marilyn is off to Tokyo to participate in the Fourth International Music Competition of Japan – she is the only Australian entrant – and will give chamber recitals in Hokkaido at the end of the year. Marilyn will then go on to Europe where she has performances in West Germany and Switzerland before returning home in March.

Described by eminent pianist and teacher Bela Siki as 'a major talent of her generation' Marilyn was the winner of the 1985 City of Sydney Piano Championship, and her first recording *Marilyn Meier Live in Recital* was recently released.

Marilyn will be giving recitals at the Illawarra Performing Arts Centre, Wollongong, on October 14 at 8.15 pm, the Camden Civic Centre, Camden, on October 20 at 8 pm and at the NSW Conservatorium of Music, Sydney, on October 29 at 3 pm. Ticket details from individual venues.

Seminars

Department of Accountancy

Seminars are held in the Social Science Building, Room 2001, in the Department of Accountancy, from 11 am to 12.15 pm. Inquiries to Hai Yap Teoh, Seminar Convener, telephone 27 0625.

Friday October 13: Mr Warrick Funnel, Department of Accountancy, *The framework of public sector accountability in Australia: an overview of current developments and some antecedents*

Department of Biology

Seminars will be held in Lecture Theatre G.19, Building 35, at 12.30 pm.

October 17: Ross Godingay, *The behavioural ecology of the yellow-bellied glider*

October 24: Bill Petelo, *Effect of solute stress on petite mutation of yeast*

Biomedical Evening Series

Seminars will be preceded by dinner at the Union Bistro at 6.30 pm. All those interested are welcome to meet the speaker at the Bistro. Please contact the Convener, Dr E. J. Steele (042) 27 0434, so that appropriate table bookings can be made. Seminars begin at 8 pm in the Biology Meeting Room, Building 35.

Wednesday October 11: Sponsored by Flow Laboratories. Dr John McAvoy, Department of Histology and Embryology, University of Sydney, *Control mechanisms of eye lens development*

Wednesday October 18: Sponsored by Selinus Laboratories. Associate Professor Tony Cunningham, Department of Virology, Westmead Hospital, *HIV infection of monocytes and development of antiviral agents for AIDS*

Department of Chemistry

Seminars are held on Thursdays at 11.30 am in Room 18.206. Inquiries to John Carver, ext 3340.

October 12: Dr Paul Haddad, Department of Chemistry, University of NSW, *Application of ion chromatography to process control in the gold mining industry*

October 19: Dr Will Price, Department of Chemistry, the University of Wollongong, *Hydration of polyvalent metal ions in solution: insights from diffusion measurements*

Department of Computing Science

Visitors parking on the University grounds will be charged a fee of \$1. This fee will be reimbursed by the Department. Alex Zelinsky, Convener

Wednesday October 11, Room 20.4 (Pentagon) at 12.30 pm: Professor Dr Arndt Bode, Institut für Informatik, Der Technischen Universität München, *Parallel computer architectures – new trends and perspectives*

Thursday October 12, Room 20.4 (Pentagon) at 12.30 pm: Professor Dr Arndt Bode, Institut für Informatik, Der Technischen Universität München, *RISC and parallel processing*

Department of Economics

Seminars are held in room 19.2085. Information from Dennis O'Brien, (042) 270 654 (ext. 3654) or in Room 19.2076.

Tuesday October 10 at 1.30 pm: Peter Whiteford, Social Welfare Research Centre, University of NSW, *Poverty measurements and equivalence scales*

Wednesday October 18, 12.30 pm: David Bourne, PhD student, the University of Wollongong, *Industry policy and industrial relations – the Australian steel industry*

School of Learning Studies

Seminars will be held on October 13, 18 and 25. Bring your own lunch; coffee and tea will be provided. Inquiries to Bill Winsor, School of Learning Studies, ext 3963.

Friday October 13 in Building 21.104: Dr Bronwyn Davis, University of New England, *Gendered subjectivity in children's literature*

Wednesday October 18 in Building 21.104: Dr Pauline Harris, *Young children making sense of classroom literacy tasks*

Department of Management

Seminars are held on Thursdays at 12.30 pm in Room 19.1003.

October 12: R. Clarke, *Task allocation: implications for systems design*

Department of Materials Engineering

All Wednesday seminars 4.30 to 5.30 pm, Room 1.134

Wednesday October 11: Associate Professor D. Dunne, *High productivity welding project.*

Wednesday October 25: Professor W. Plumbridge, *Contribution of Metallography to high-temperature design problems*

Department of Mechanical Engineering

Wednesday October 18, Building 8 Seminar Room at 11.30 am: Mr B. P. Barnsley, General Manager, Microwave and Materials Institute, *Industrial uses of microwave power*

Department of Physics

Thursday October 12 at 12.30 pm, Physics Lecture Theatre (18.118): Dr W.J. Zealey, Department of Physics, University of Wollongong, *An infrared view of star formation*

Department of Psychology

Seminars are held in 19.1056 on Tuesdays between 12.30 and 1.30 pm. For further information contact Sachiko Kinoshita, ext. 3741.

October 10: Associate Professor Bruce Partridge, Department of Nursing, University of Wollongong, *Nursing theory and the clinical applications*

October 17: Dr Susan Wayland, School of Behavioural Sciences, Cumberland College of Health Sciences, *Visual and semantic processing of concepts in the brain-damaged*

Department of Science and Technology Studies

October 18 at 12.30 pm in Building 19, Room 2061: Neill Hall, School of Policy and Technology Studies in Education, Wollongong, *Education and Information Technology*

October 25 at 12.30 pm in Building 19, Room 2061: Ian Hampson, Post-graduate Studies, *What is post-Fordism?*

Advertisements

FOR SALE

Sofa set with chairs for both family and lounge rooms. Automatic washing machine (Simpson). Any reasonable offer will be accepted. Tel. ext 3058 or 712979.

ACCOMMODATION WANTED

Visiting lecturer requires fully furnished accommodation for himself, his wife and daughter from January to June 1990. Contact Mike Ward ext 3759.