

CAMPUS NEWS

Cathy Freeman opens 1994 Australian Universities Games

The University of Wollongong Recreation and Sports Association is the proud host of this year's Schweppes Sport Plus Australian Universities Games.

Five thousand student athletes and volunteers have converged on Wollongong this week to compete in 20 officially sanctioned sports, making it one of the largest sporting events in Australia.

Major sponsors of the 1994 Australian Universities Games include Schweppes Sport Plus, Tooheys and Telecom.

The opening ceremony of the 1994 Games took place on North Wollongong Beach on Sunday, 25 September.

It was attended by thousands of athletes from participating teams and campuses.

Highlights of the ceremony included the Terry Fox Fun Run, the RAN fly-by, the athletes' march past, a light and laser show, and the official opening by Commonwealth Games gold medallist Cathy Freeman.

Athletes competing in the 1994 Games include Daniel Kowalski, Chris Fydlar, Jane Saville, Sophie Scamps and Pat Howard.

One of Australia's greatest Olympic swimmers, Dawn Fraser, made an appearance at the Swimming finals on Monday 26 and Tuesday 27 September to present medals to winners.

More than 300 volunteers have donated their services, both in the lead-up to and during the Games, in all aspects of administration, hospitality, marketing and social activities, to help ensure the success of this event.

Apart from the official competition,



Tireless workers, Stephen Heslop and Stacey Beer have Uni Games in the bag!

a variety of novelty contests and series of entertainments have been organised, including the national final of the Battle of the Bands, to entertain the athletes and visitors.

The closing ceremony on Friday 30 September will culminate a hectic week of sporting and social activities.

Winning teams in each sport and the champion university of 1994 will be named. A ceremonial scroll will be handed to the 1995 Games host the

Northern Territory University.

Facilities at the University are available to the media during the Games including state-of-the-art telecommunications, radio and TV studios, and Games media centre.

Amenities such as fax, phone, photocopier, supplementary lighting and access to instant electronic results updates are on hand for the media.

Enquiries: Stacey Beer (Marketing Co-ordinator) on (042) 21-4702.

Best AUUG '94 paper

Department of Computer Science honours student Mark Arnold was presented with a \$500 award for the best student paper at the opening session of the Australian Unix Users Group's annual conference and exhibition, AUUG '94, held in Melbourne recently.

Mr Arnold, whose interest is applications development, developed an application called Secure Talk that modifies the basic UNIX Talk package with encryption and authentication.

He presented his Network Security Issues Case Study at a technical session held at the LaTrobe University Theatre.

Australian artists' book fair exhibits student works

Students from the Faculty of Creative Arts participated in *BEWARE books by artists*, Australia's first artists' book fair, at the State Library of Queensland on 24 and 25 September.

The books fair was held in conjunc-

tion with Warana Writers Week, one of the main events of Queensland's annual Warana Festival.

Grahame Galleries & Editions, a Brisbane-based gallery representing artists producing original prints and artists' books, organised the book fair.

Artists' books originated in the 18th century with editions of engravings and poems produced by the English writer and artist William Blake (1757-1827) as a means of bypassing publishers and distribution system.

They range from one-off art objects in book form to limited editions and mass-produced books.

Almost all art movements of the 20th century have been involved with the book, not as a container of information, but as an art form.

Works by more than 70 artists from Australia and 20 from overseas, as well as from eight participating universities including Wollongong, went on display during *BEWARE books by artists*.

Rosanne Arentz, a student in the Bachelor of Creative Arts book class, went to Brisbane to look after the

student exhibits at the book fair.

The University of Wollongong Union generously provided funding to help with Rosanne's expenses.

Liz Jeneid, a lecturer in Textiles who teaches the course in Artists Books offered in the Faculty of Creative Arts, also exhibited her work at the fair.

Pay rise

General Staff will receive a 1.5 per cent salary increase as a result of the implementation of the second stage of the Enterprise Bargaining Agreement - 1993.

This increase will be included in the pay of 20 October and will be effective from 7 October.

Spreading the news

The St George Leader newspaper in Sutherland ran a supplement on the University of Wollongong Open Day in August.

They were pleased with this supplement and have entered it in the Australian Suburban Newspaper Awards.

This is an annual award. Results will be known in May, 1995.

PUBLIC LECTURE

The 16th Sir Richard Kirby Lecture

will be held on 10 October, 1994
in Room 67.104 (Keira View Building)
at 6.30pm

This year, following the recent lively lectures from national experts such as John Hewson (1991), Jennie George of the ACTU (1992) and Professor Fred Hilmer (1993), author of the National Competition Policy report, the Kirby Lecture will be delivered by:

Paul Matters,

South Coast Labour Council
Topic: *The End of Industrial Relations?*

ALL WELCOME

Paul Matters has become a well-known, respected and forthright union leader representing the Illawarra region. During his address he will provide an argument to explain the changes in industrial relations which have occurred as a result of global economic pressures. He will also consider the current pressures for change which will affect Australian industrial relations, both nationally and at the regional level.

Enquiries: Di Kelly, phone 21 3612, or
Sophie Abercrombie, phone 21 3666.

October Graduation ceremonies details

The October Graduation Ceremonies will be held on 6 and 7 October in the Union Hall. The details are as follows:

Thursday 6 October, 9.45am:

Commerce: Speaker: Chief Superintendent Bev Lawson, District Commander Cumberland Police District.

Honorary Award: Mr Walter Jervis, Fellow of the University.

Thursday 6 October, 2.30pm:

Science, Informatics and Health & Behavioural Science: Speaker: Professor Charles Watson, Dean of the Faculty of Health & Behavioural Science.

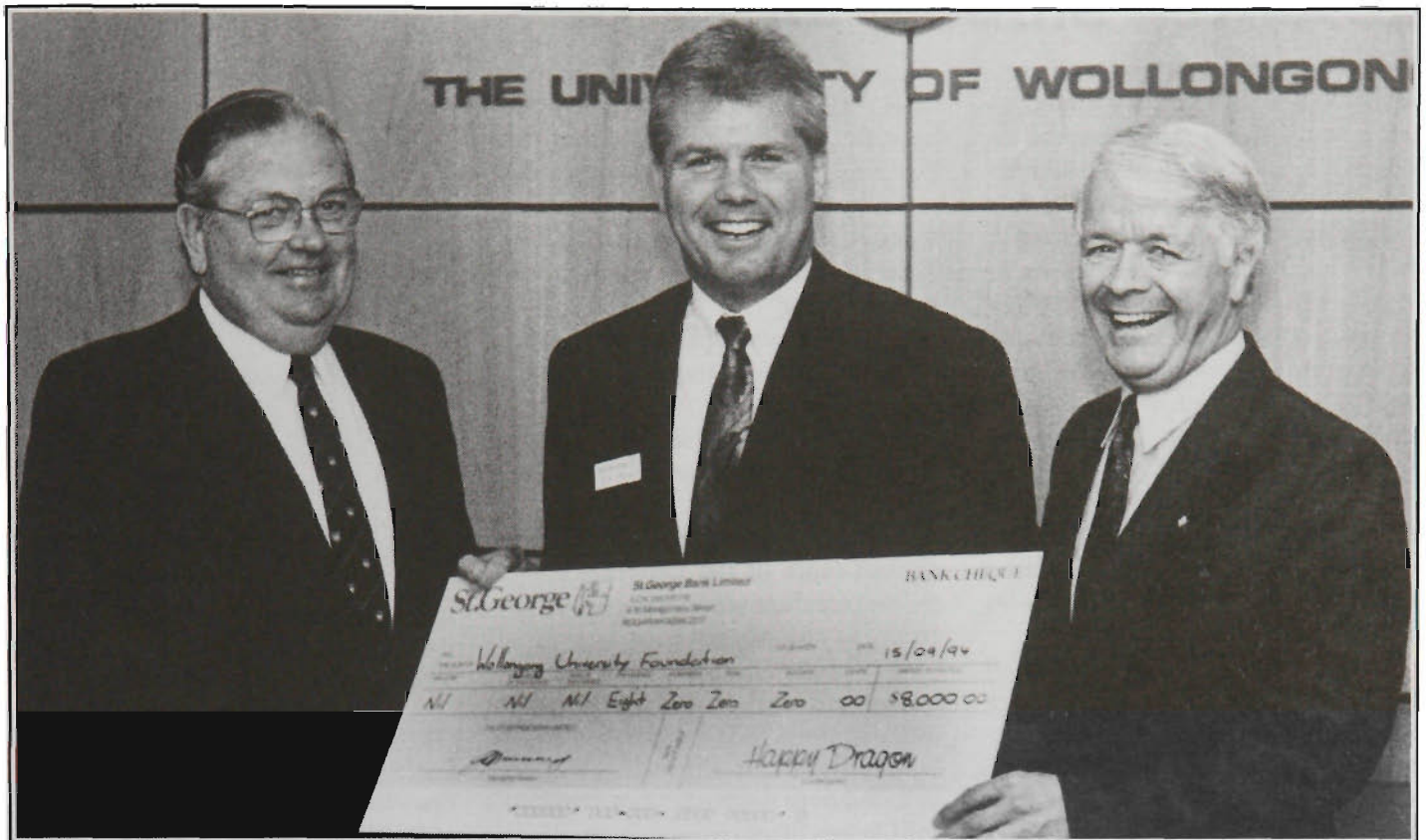
Honorary Award: Mr Ross Walker, Fellow of the University.

Friday 7 October, 9.45am

Arts, Law, Creative Arts, Education and Engineering: Speaker: Professor Ken McKinnon - retiring Vice-Chancellor.

Honorary Awards: Professor Ken McKinnon, Doctor of Letters; Associate Professor D Jones, Doctor of Letters; Ir Djoko Subagyo, Fellow of the University.

St George Bank proud to support University Foundation



Dr Brian Gillett, Deputy Chancellor (left) and Harold Hanson, Chairman of the Foundation (right) accepting a cheque from St George Area Manager, Nick Creagh.

As part of their continuing support as a member of the University of Wollongong Foundation, St George Bank representatives recently met with members of the University to present a cheque to the foundation.

This is the third instalment St George have contrib-

uted towards the University as part of a five-year membership. After this period, the foundation member has the opportunity to renew the membership if they wish.

'St George has been a consistent supporter from the beginning of the foundation and their financial support is very important to the University,' Chairman of the University of Wollongong Foundation, Harold Hanson, said.

'The importance of the University is self-evident to the community and the economy.

'Assistance from foundation members like St George enables quality students to come here and receive a high standard of education.'

St George Illawarra Area Manager, Nick Creagh, who is new to the Illawarra, said that already he had noticed what an impact the University has on life in the Illawarra and that St George likes to be part of the grand plans that the university has.

'The University is young, vigorous and flexible like St George and they enjoy a mutually successful cooperation that St George is proud to be part of.'

Equal Employment Opportunity Unit review

One of the terms of reference for the Vice-Chancellor's Working Party on Affirmative Action and Equity is to undertake a review of the functions of the EEO Unit.

The Working Party sees this in terms of the overall provision of Equity at the University of Wollongong and is interested in receiving input on what works in the present structure and what should be modified.

Under consideration is the role and reporting structure of the unit itself as well as that of its various committees, the status and role of the head of the unit, and the staffing needs of the unit.

Submissions to the working party are invited from members and interested parties within the campus community.

All submissions, which will be treated as confidential, should be forwarded to Rebecca Albury, Convenor, Working Party on Affirmative Action and Equity, no later than Wednesday, 12 October.

Individuals or groups are also invited to address the review panel, irrespective of whether they are making a submission.

If you wish to address the review panel, contact Donna West, ext. 3079 to arrange an appropriate time.

The review will be less formal than the University's procedures for reviewing academic units. Enquiries: Rebecca Albury, ext. 3630.

Research on display at the Postgraduate Research Student Open Day

Postgraduate students from all areas of the University recently joined together recently to showcase the research they have been undertaking.

The Postgraduate Research Student Open Day, held on 15 September in the Union Function Centre, was an opportunity for members of the University, the local community and prospective employers to see some of this high-quality research, which was presented through seminars and project displays.

The day provided a very positive learning experience for the students and the opportunity for them to learn more about what their fellow students are doing.

At the same time it offered staff from different departments the opportunity to learn about research being carried out elsewhere on campus which may be relevant to their own work.

In previous years, postgraduates have done an excellent job of preparing their posters and talks, and this year saw a record number of posters.

A major factor in making this day a success was the number of staff who came and talked to the students about their research.

The event was opened at 11.30am by Acting Vice-Chancellor, Professor Gerard Sutton.

He said: 'This day is a positive development for postgraduate and overseas students.

'These postgraduate students are ambassadors of the University and the test for their work is in communicating to non-experts.

'As the reputation of a university grows, so does the value of the degree qualifications. We are proud of the way Postgraduate Open Day has developed over the past seven years. Its profile has lifted dramatically.'



Pro-Vice Chancellor (Research), Professor Bill Lovegrove, speaking at the Postgraduate Research Student Open Day

The official speaker for the day was Professor Lauchlan Chipman, former Pro Vice-Chancellor of the University of Wollongong.

Indonesian coal mine design

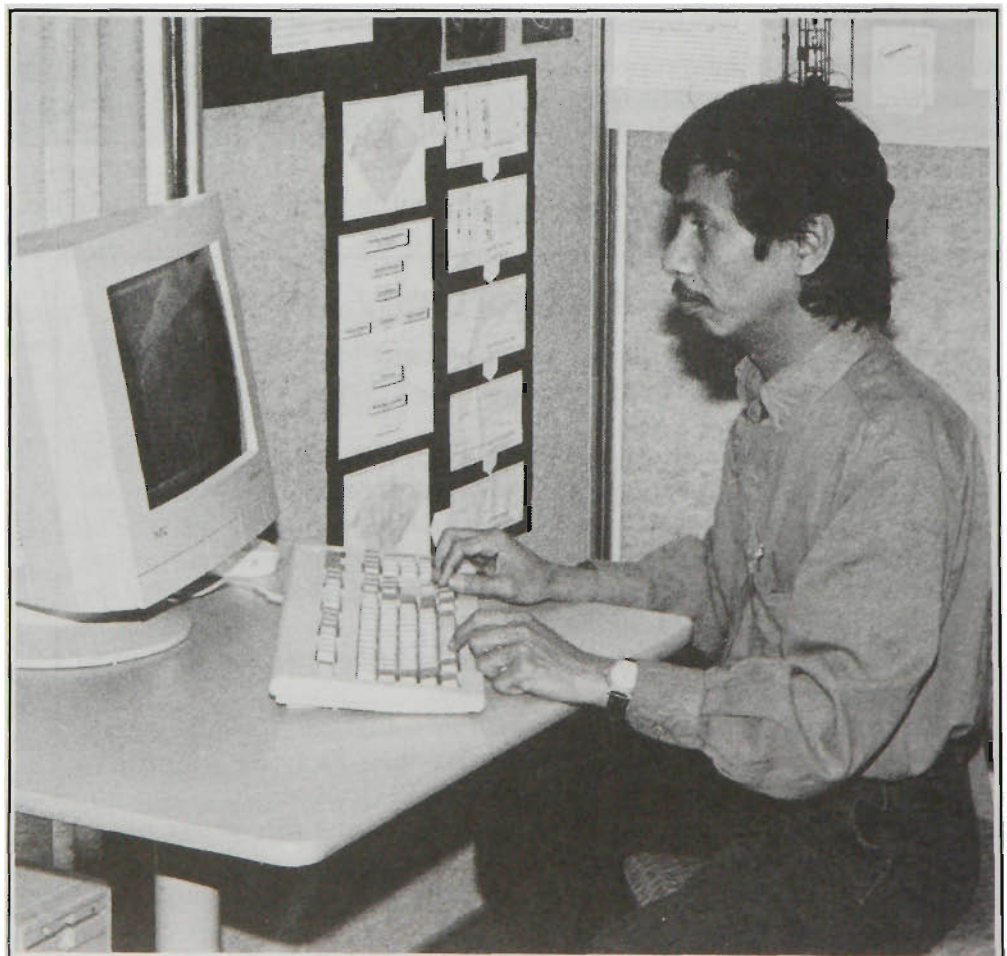
Milawarma is looking at a case study on pit optimisation of the Sapan Dalam Multiseam Coal deposit in Indonesia. His supervisor is Dr Ernest Baafi.

Geologically, the Sapan Dalam coal deposit of Indonesia consists of multiple seams of various thicknesses and quality parameters.

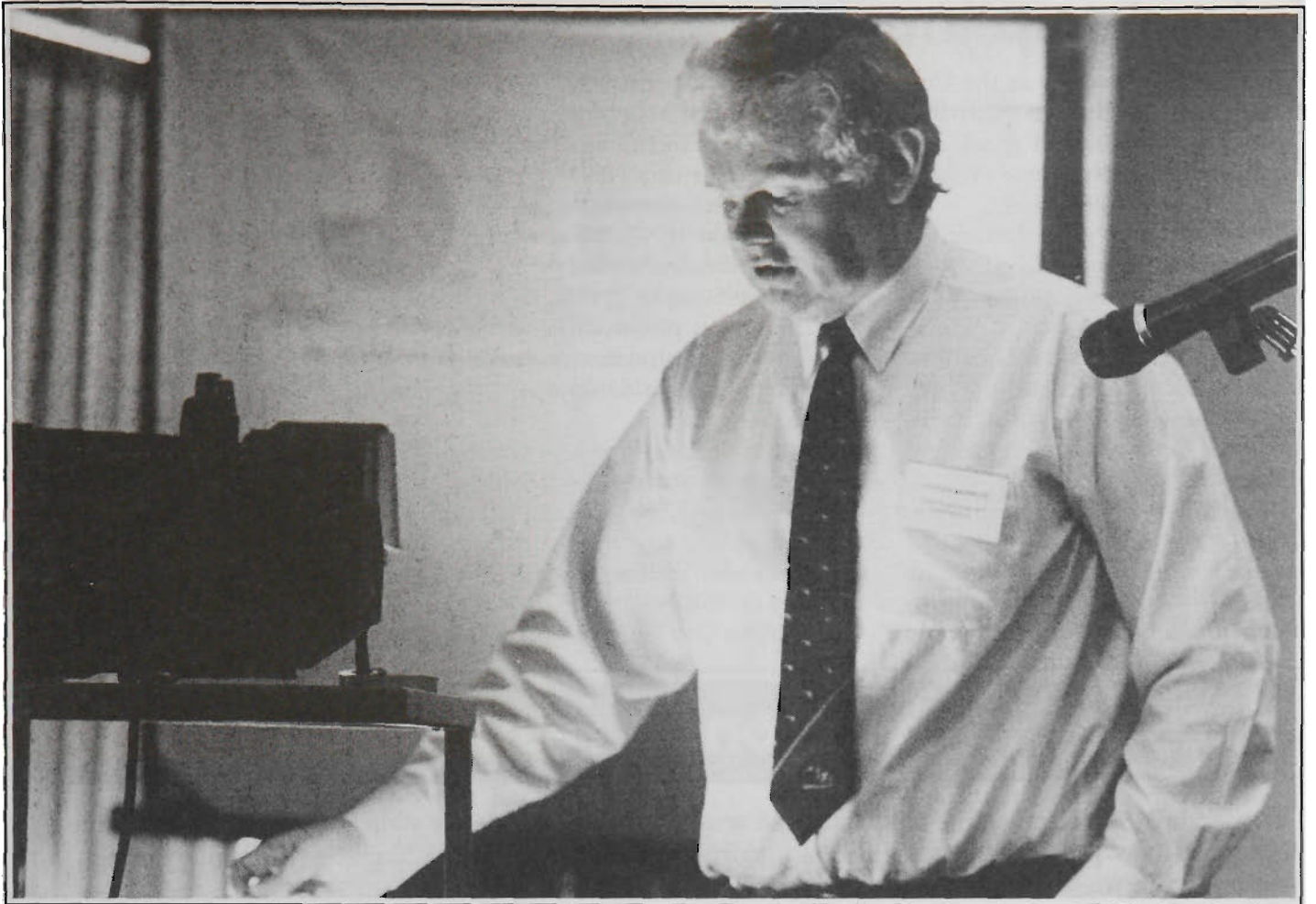
Using information available, Milawarma created a coal model using the GEMCOM suite of mine design modules, with the objective of evaluating the economic viability of the coal deposit.

This gridded seam modelling technique was found to give a good representation of such complex multi-seam deposits.

The focus of his presentation was to create an optimum pit for such a multi-seam deposit.



Master of Engineering (Honours) student, Milawarma, with a display of his work through the Department of Civil and Mining Engineering, Fossil Fuels Group.



Graham Brisbane presenting his PhD work to date on vehicle characteristics in fog conditions.

Graham Brisbane's PhD topic focuses on vehicle characteristics in fog conditions.

A student in the Civil & Mining Engineering Department, he is supervised by Associate Professor R.N. Chowdhury.

The location for his study is the F6 Tollway around Bulli Tops that is renowned for its extremely variable and dense fogs.

These occur, on average, over 50 days a year.

The frequency, density and variability of the fog create extremely difficult driving conditions.

This problem is reflected in the accident history of the area, an average of five vehicles per accident compared to the national average of 1.5 vehicles.

Any methods of reducing the accident potential of the area offers benefits to all locations with this type of problem. Mr Brisbane's research project sets out to examine vehicle characteristics in fog conditions and to examine to what extent these can be modified using 'Intelligent Signs'.

Initial studies were made of the

Driver aid system for Bulli Tops

speeds and headways of drivers in various visibilities. Variables examined included time of day, day of week, rainfall conditions and lane characteristics.

Based on the results of the trial development, a new driver aid system (fibre optic sign) has been developed to replace the system built in 1974.

The new system consists of 24 signs spread over 12km of the F6 in the Bulli Tops area.

Each sign is connected to a visibility detector in its immediate vicinity.

Speed detector loops in advance of each site provide information on individual speeds and headways.

The information from each site is passed to a central computer linked via the government radio network.

This allows the speed and headway of a motorist, relative to the prevailing weather conditions and other motorists, to be assessed.

Where these are inappropriate, visual information can be provided to individual motorists to allow them to modify their driving behaviour to suit the circumstances.

The final state of the research will be to examine the effectiveness of the whole system (as opposed to an individual site) and the differing messages which can be used.

Papers on his research have been presented in Perth, the Gold Coast, the USA and Germany.

Other PhD speakers presenting seminars on the day included:

Steven Wallace, Treatment planning for neutron capture therapy for cancer: modelling from CT scans in the Medical Physics Department;

Karin Garrety, The Cholesterol Controversy; and

Anna Siu, Preparation of chiral drugs in only one mirror-image form (for pharmaceutical interest) in the Chemistry Department.

Distinguished philosopher to discuss interdisciplinarity

Professor of Philosophy at the University of Wales in Cardiff, Christopher Norris, will speak at a seminar at the University of Wollongong on Tuesday 4 October.

Professor Norris has had an accomplished academic career in interdisciplinary studies as author, editor, critic and scholar.

The topic for his talks will be 'Interdisciplinarity: for and against?'

This seminar is jointly hosted by the Faculty of Law and the Departments of English and Philosophy.

He is editor of the Routledge Series 'Critics of the Twentieth Century' and has also edited volumes on William Empson, George Orwell, Shostakovich, the politics of music and

post-structuralist criticism.

Professor Norris is a prolific author with his books including 'The Truth About Postmodernism' (1993), 'Uncritical Theory: postmodernism, intellectuals and the Gulf War' (1992), 'What's Wrong with Postmodernism? critical theory and the ends of philosophy' (1991), various others titles on philosophy, literary criticism and cultural theory and numerous essays in British and American journals.

In the last decade Professor Norris has lectured at universities throughout Europe, Asia, the USA and Latin America.

He was also Visiting Professor at Berkeley (1986) and at the Graduate Centre of the City University of New

York (1988). He is Vice-President of the British Society of Aesthetics and an Associate Fellow of the Centre for Research in Philosophy and Literature at the University of Warwick.

Professor Norris is visiting Australia as the guest of the Law and Literature Association of Australia to deliver the keynote address at their annual conference being held at the Queensland University of Technology.

The seminar at which Professor Norris will speak on the topic of interdisciplinarity will take place in Room 67.202 (Keira View Building) on Tuesday 4 October between 12.30-1.30pm.

Enquiries: Penny Pether, Lecturer, Faculty of Law, ext. 4293.

Security is everyone's responsibility

On Monday 19 September, the police made an arrest in connection with the three incidents that occurred recently on the walkway from the overpass near TAFE.

Although the campus community will be relieved at this news, staff and students should still, at all times, be vigilant about their own personnel safety.

The police have expressed particular concern about the use of short cuts across the highway going to International House.

Please always use the walkways and constructed paths.

HOW TO CONTACT UNIVERSITY SECURITY

Keep this information near your telephone or in your diary.

- Go to the Security office in the Union Building (east of the Retail Centre).

- Telephone ext. 4555 (external No. 214 555). This telephone is located in the Security Office. If unattended, the call is diverted to a mobile telephone which will be answered by a security officer. For all routine requests or Security assistance please use this number.

- Telephone the mobile phone 015 287 750 (STD access) or Speed Dial (internal) 6555.

- Telephone ext. 4254 (external No. 214 254). This is an internal paging service number then enter "214" and leave your contact phone number.

- Telephone the switchboard, ext. 9, and leave a message between 8.30am-5pm Monday through to Friday.

- Dial #1 from any of the emergency phones on campus which are located at:

Southern entry to Bldg 8

Eastern foyer entry to Bldg 35

Union Bldg just outside the Duck Inn

Union Bldg outside the Security Office

Main entrance to Bldg 19 next to the public phone

Northern entry to Bldg 40

The walkway between Bldgs 23 and 25

Outside main entrance to Bldg 13 (Sport & Recreation Association).

Emergency telephones enable contact to be made directly to the following services:

Dial #1 for University Security

Dial #2 for Emergency Services "000".

Dial #3 for Wollongong Radio Taxi Service

Dial #4 for NRMA Road Service. (New Service)

- Telephone ext. 4554 (external No. 214 554) for the Security Supervisor, attended Monday through to Friday during normal business hours, if unattended the call will be diverted to a mobile telephone.

- Telephone ext. 4556 (external No. 214 556) for the Security Manager, attended Monday through to Friday during normal business hours.



Phillip Morgan (right) admires his new computer with Josie Castle, Dean of Students and Chair of the Open Day Committee (left)

Phillip Morgan from Helensburgh was the fortunate Open Day entrant to win the IBM Compaq Contura laptop computer donated by Campus Personal Computing.

Phillip finished his schooling with outstanding results at Heathcote High School in 1993 and, after an unsatisfactory start to the year at a metropolitan university, he enrolled at Wollongong TAFE in the Associate Diploma in Chemical Technology.

Although enjoying his TAFE course very much, he is looking for further challenges in the field of chemistry and hopes to enrol in a Bachelor of Science with a chemistry major at the University of Wollongong next year.

He likes travelling to Wollongong on the train because 'the view is much better than travelling into the city of Sydney' and also looks forward to the Science

And the winner is . . .

degree at Wollongong because 'there are so many more choices in a broader based degree'.

His sister is in her final year of Materials Engineering at Wollongong and she told her brother about Open Day. Phillip found the day to be very beneficial for his decision-making regarding study for next year.

He said the staff were well informed and he was impressed by the outlook of the campus and all the grassy areas.

To enter the Open Day competition, visitors were asked to answer a questionnaire about Open Day.

This provided constructive feedback to the staff of the University and will contribute to the planning of Open Day 1995. Thank you to all those people who answered the survey, your comments are appreciated.

West Indian writers at Illawarra Writers function

The Department of English's New Literatures Research Centre is bringing two leading British West Indian writers to Wollongong on Thursday 6 October.

This is part of a British Council-sponsored visit to Australia organised in cooperation with the post-colonial literature centres at Flinders and Macquarie universities.

Poets John Agard and Grace Nichols were born in Guyana and have had careers in teaching and journalism.

Since migrating to Britain they have been major figures in promoting West Indian writing in schools and the literary community. Ms Nichols was awarded the Commonwealth Poetry Prize for her collection 'I is a long memoried woman'.

Both Ms Nichols and Mr Agard have written novels, scripted prize-winning films and won awards for their works for children.

These two writers have excellent reputations as public performers and

will both read from their work at a dinner being organised by Illawarra Writers on Thursday, 6 October, at 'Here's Cheers', 5 Victoria St, Wollongong, at 7pm. Cost: \$25. Bookings with Ann Whitehead, phone 711 087.

Ms Nichols and Mr Agard will also appear at the Poetry Day of the Varuna Writers Centre Spring Writing Festival, Saturday, 8 October, 141 Cascade Street, Katoomba.

Enquiries: Dr Paul Sharrad, Department of English, ext. 3705.

General

27 September: **Women's Issues Group Meeting** will present two speakers at 7.30pm in the Function Centre of the University's Union Building on Northfields Avenue. Inci Khoury will speak on 'Women's Issues in Turkey' and local writer and Master of Creative Arts student Alison Rice will speak on 'Healing Ourselves and Our Planet'. All are welcome to attend. Refreshments will be provided and a door prize will be drawn. Admission: Members \$2.50, Non-Members \$3.50. Parking is available in the Multi-Storey Carpark: Level D is the most convenient access. Enquiries: Moira (042) 84 3741.

30 September: **RACI Natural Products Chemistry Group one-day seminar** at the University of Wollongong. Speakers: Dr Mary Garson, University of Queensland, 'Marine Molluscs - Biosynthesis and Chemical Ecology', and Dr John Edgar, CSIRO, 'Poisonous Natural Products'. Titles and abstracts for 20-minute presentations are being sought. Enquiries: Dr Davis Leach UWS, Hawkesbury (045) 701 434.

1-3 October: **Australasian Political Studies Association (APSA) 1994 Annual Conference**, Communications Centre (Building 20), hosted by the Department of History and Politics, Univer-

What's On

sity of Wollongong. Papers and panels will be presented in each of several streams chosen for the conference, including Australasian Politics, Comparative Politics, Asia-Pacific Politics, Political Theory, International Relations and Policy of Development, Public Policy, Environmental Politics, Maritime Policy, Teaching Politics, Political Economy and Radical Politics, and Gender Politics. Conference registration fees: APSA members \$130, non-members \$160, students and unemployed \$100. This fee includes lunches, morning and afternoon teas and abstracts of papers. There is a late fee of \$30 for registrations received after 22 September. For further details of the conference program and enquiries contact Kathy Banks, ext. 3704, or the Department of History and Politics Office, ext. 3765.

Human Research Ethics Committee. Agenda Deadline Dates: 12 October, 9 November, 7 December. Meeting dates: 25 October, 22 November, 20 December.

Key Centre for Mines courses: 7-11 November: Modelling, Planning and Evaluation of Resources on a Personal Computer; 14-18 November: Environmental Geology. Enquiries: Professor

Naj Aziz, phone 21 3449, or Sue Wade, phone 21 3057.

Cell and Molecular evening seminar series run by the Department of Biological Sciences. 10 October: Dr Brad Walsh (Centre for Immunology, St Vincent's Hospital, Sydney) The BioRad seminar on Macrophage Activation & 2D-Electrophoresis. 17 October: Prof Barry Rolfe (Research Centre for Biological Sciences, ANU) The AMRAD/Pharmacia seminar on Plant Biotechnology. 24 October: Prof Peter Reeves (Dept. of Microbiology, University of Sydney) The Bresatec seminar on Prokaryote Evolution. Held at 7.30pm in Building 35, Room 105. Enquiries: Phone (042) 213 013, Fax (042) 214 135.

City of Wollongong Symphony Orchestra Concerts

26 November: 'Judy Glen's Spaghetti Opera'. Conductor: JWD, Judy Glen, soprano-comedienne. A comedy of arias interspersed with short pieces from the 'classical favourites' repertoire. At IMB Theatre, IPAC, at 8pm. Adults \$20, concession \$17, family of four \$64, student rush \$10.

The Art of Lunch

A series of one-hour performances in the Music Auditorium (University Building 24.G01) on Thursdays at 12.30 during session. Admission: Free

Long Gallery

22 September-12 October: An exhibition of artworks by Creative Arts post-graduate students Leonard Smith, Catherine Kay, Tricia Lin and Ken Stone.

16 October-6 November: Bronzes, Ken Stone, Lynn Brunet.

14 November-7 December: BCA Graduating Exhibition.

For further information contact Elizabeth Jeneid at the Faculty of Creative Arts, phone (042) 21-3048.

Stop Press

Union Annual Dinner

Saturday 15 October, 6.15pm.

Farewell to special guest - Vice-Chancellor Professor Ken McKinnon.

\$35/head inc. dinner, drinks & entertainment.

(Table of 8 - \$30/head)

Ph: 29 7833

BULK SOLIDS HANDLING, PNEUMATIC CONVEYING and DUST CONTROL COURSE

to be held at the University of Wollongong
8-10 November 1994

Course Content: Characterisation and flow properties of bulk solids; reliable design parameters for bins, feeders and chutes; handling cohesive, fine and segregating bulk solids; latest developments in pneumatic conveying; optimal design and operation of pneumatic transport systems; design of dust control systems; dust removal, collection and management; system/hardware demos.

Enquiries Dr Peter Wypych, Department of Mechanical Engineering. Phone 21 3488 or 21 3062. Fax 21 3101.