



THE UNIVERSITY OF WOLLONGONG

CAMPUS NEWS

A WEEKLY INFORMATION SHEET

10 FEBRUARY, 1984

Deadline for copy 12 noon Monday

Distributed each Friday.

Editor: Giles Pickford, tel. (042) 270076.

FIFTH COMPUTING SUMMER SCHOOL A SUCCESS

The Fifth South Coast Summer School on Computing was held at the University of Wollongong from December 7 to December 14, 1983. Participants were specially selected talented Year 11 High School students. A few younger students of exceptional ability were also admitted.

The morning of each day was taken up by lectures on the science of programming and laboratory exercises on computer terminals. Instruction was at three levels: beginner programmers (19 participants); advanced programmers (40 participants) and master class (34 participants).

The master class included two students selected and funded by the National Computer Board of Singapore, three students selected by the Computer Education Group of Queensland and two students selected by the Computer Education Group of South Australia. Peter Liu, the winner of the nationwide Gestetner Computer Whiz Kids Competition was among the participants.

A programming contest along the lines of the National Scholastic Programming Contest of USA was held on Tuesday, December 13. Master class participants had to solve the Dutch National Flag Problem, a problem made famous by the writings of Dijkstra and Gries.

After five hours of work of problem solving, programming, program testing on the computer and debugging, two students submitted two different, but equally perfect solutions within one minute of each other. The students were Chih Chao Lam, Hwa Chong Junior College, Singapore and Timothy Withers, Brisbane Grammar School, Queensland.

The competition judges were unable to separate the two entries and declared two equal first place winners. With only one major prize a coin was tossed. Mr. Lam called heads. It came up tails and Mr. Withers won the Apple

Microcomputer system (donated by Apple Computer Australia Pty. Ltd.). Mr. Lam obtained the consolation prize - a Microbee computer (donated by Applied Technology Pty. Ltd.)

Afternoons were taken up by special interest groups on microcomputers, graphics applications and computer aided learning. Competitions were held to design the cover of next year's summer school proceedings and a Department of Computing Science Christmas Card. The laboratory component of the master class contained the development of a simple "expert system" under the direction of Dr. N.A.B. Gray.

In the evening a forum was held on the Fifth Generation Syndrome. Panelists were Prof. Y. Wilks, University of Essex, Prof. J. Bennett A.O. University of Sydney and Dr. J. Debenham NSWIT. A "Towards 1990" night brought together some up to date personal workstation computers. Firms participating were: Computer Shop with Apple Lisa; IBM with the IBM PC; Progeni with Poly; Perkin Elmer with their 7500 Model workstation; NEC with their portable computer; ICL with a PERQ; and NCR with their personal computer system.

The summer school was opened by Ms. Hinka Haisama, Bulletin/Qantas Businesswoman of the Year 1984. The keynote talk at the opening session was given by Prof. Y. Wilks, University of Essex, England on the topic "Can Computers Understand English".

Financial support for the school came from the University of Wollongong, the Australian Computer Society, Perkin Elmer Australia Ltd., Computer Education Group NSW and others who sponsored interstate and overseas participants as well as from students and staff of the Department of Computing Science of the University of Wollongong who donated a lot of time and effort to make the 5th SCSSC a success.

AN INSIGHT INTO CANADIAN UNIVERSITY LIFE

A new arrival at the University of Wollongong is Prof. B.S. Randhawa, from the University of Saskatchewan in Canada. As Assistant Dean in the College of Education at the University, he is responsible for the administration of six Departments through their chairmen. Born in India, he took his PhD. degree at the University of Toronto.

His special interests are the growth of intelligence with reference to particular sociocultural contexts, and the methodology of psychological studies in relation to education.

At the University of Wollongong, Prof. Randhawa will collaborate with Dr. de Lacy, of the Department of Education, and some senior students. He will also work
(Continued page 2)

with some other academics. Prof. Randhawa and Dr. de Lacey began work together in Canada two years ago, and they are planning a book and other publications as the outcome of their researches.

Prof. Randhawa finds the climate and the University of Wollongong very attractive, especially after leaving a bleak, snow-covered prairie at -40°C. He is interested to see the decrease, and the uniformity, of academic salaries here. In Canada, academics can earn additional salary increments, at all levels of rank, through evidence of scholarship such as significant publications and citations in the literature. When a senior academic is shown to be unusually outstanding internationally, he may be promoted to full professor.

Senior academics in Canada who perform administrative work, like Vice-Chancellors, still remain members of some academic department to help ensure contact with academic work. In university departments, chairmanship is rotated round permanent staff by election every three or five years, to ensure that access to the major university work of scholarship is not denied to those having to do administrative work for too long.

Most of the students in Prof. Randhawa's college, which is second in size only to the College of Arts and Sciences in that University, are destined to become teachers or educational researchers. While economic problems are associated with reduced employment opportunities in Canada's eastern provinces, generally all teachers in Saskatchewan can find employment if they are prepared to go to where the jobs are available.

Academic opportunities in both Canada and Australia have diminished in recent years as a result of economic

changes. But in Canada, remedial steps have been taken to ensure continuing incentives and to protect vulnerable groups from becoming scapegoats. Each year, merit increments of around \$900 are awarded to staff demonstrating recognised scholarship, such as assessed publications, and there is a range of salaries for all academic ranks, at each of which staff may earn different salaries according to their years of productive service as well as continuing merit increments based on scholarship. Administrative responsibilities carry temporary increments, applicable only while these responsibilities are performed. Chairmanship of departments or faculties is democratic in Canada, an academic administrator having to prove himself acceptable to the staff before appointment is made or continued. Promotion to full professor is available ultimately to any staff member who continues to produce outstanding work, such as articles in prestigious journals and books. Other incentives, such as personal visiting cards with university crest and \$500 p.a. grants to cover professional-body membership, are also provided. Vulnerable groups, such as younger or older staff, are protected by equal-opportunity principles. Recently in Manitoba a university failed in an action to retire an older staff member who was productive and in good health and who wished to continue to work. All academic staff are addressed by their titles: the address does not change to a rank address at full-professorial level as it still does here. Support provision is made on the basis of work performed, such as administrative work, and not rank. There is no special superannuation provision for full professors. These measures tend to counter a loss of talented staff to other areas of employment, and to retain high-quality academics in universities. Academic staff may spend up to one day a week on paid consultancies.



Campus Community Interface

SENIOR CITIZENS' DAY AT THE UNIVERSITY - THURSDAY, 15TH MARCH, 1984.

The Friends of the University of Wollongong, have arranged the following day for Senior Citizens. All are welcome.

Venue: Union Hall.

- 10.30 a.m. Morning Tea.
- 11.00 a.m. Introduction to the University by Giles Pickford - followed by discussion.
- 12.00 noon Lunch (provided by University)
- 12.30 p.m. Free Lunch Hour Concert organised by David Vance.
- 1.30 p.m. Oral History Project - those Senior Citizens interested will be asked for an interview by Senior History students to build up the region's oral history archives. Anyone with memories going back a long way is specially welcome.
- 3.00 p.m. Demonstration of Psychology equipment - sight and hearing tests for those interested.
- 3.45 p.m. Drama entertainment from the English Literature and Drama Department.
- 4.15 p.m. Close.

Note: University Buses will be available for transport to and from the University. Enquiries: Giles Pickford on 270076.

KEIRA GREEN CORRIDOR PROJECT

The next meeting of the Keira Green Corridor Project Committee will be held on Wednesday, 4 April, at 12.30 p.m. in the Town Hall Reception Room. All interested are welcome to attend.

AUGC CONFERENCE ARRANGEMENTS

Friday, 10 February, 7.30 p.m., Art Gallery - Lord Mayor's Reception for the AUGC Delegates.

Saturday, 11 February, 7 p.m., Northbeach International, AUGC Conference Dinner hosted by the Vice-Chancellor; Guest speaker Dame Leonie Kramer, DBE.

Conference Sessions: Saturday - Northbeach International
Sunday - Pentagon Theatres

Monday, 13 February: Post Conference Tour.

General Notices

CSIRO COLLABORATIVE GRANTS

CSIRO and a number of Australian universities run joint collaborative research funding schemes. Each scheme operates through CSIRO and a university contributing equally to a Fund from which grants are made each year to support research projects involving collaboration between CSIRO and the university.

The object of the scheme is to strengthen CSIRO and university research activities by encouraging greater interaction between relevant research groups, particularly where complementary strengths can be brought together. It is intended that the Funds should stimulate the development of new linkages between groups which have not previously collaborated, as well as strengthen existing linkages.

The scheme has recently been expanded to include three more universities. The CSIRO/University Funds to operate in 1984 and the moneys available for grants are:

CSIRO/Australian National University	\$150,000
CSIRO/James Cook Uni. of Nth. Qld.	\$60,000
CSIRO/Macquarie University	\$120,000
CSIRO/University of Melbourne	\$120,000
CSIRO/University of NSW	\$120,000
CSIRO/Monash University	\$120,000
CSIRO/University of Newcastle	\$60,000
CSIRO/University of Queensland	\$120,000
CSIRO/University of Sydney	\$120,000
CSIRO/University of Wollongong	\$60,000

Research groups in all sections of CSIRO and the universities are eligible to participate.

Grants will be made to cover items such as salaries for short-term support staff and travel. In order to maintain flexibility in the use of the Funds, grants will be limited to one year. Funding for approved projects will be available from date of approval (probably early June 1984) to 30 June 1985. Longer-term projects will be reviewed and funded annually.

Applications for 1984 grants close on 30 March, 1984. Application forms are available from Ben Meek, Secretary Research Grants Committee, extension 3082.

MEMBERSHIP OF GENERAL STUDIES COMMITTEE

The Vice-Chancellor has approved the appointment of Miss D. Jones to fill the casual vacancy as Chairperson of the General Studies Committee, the term of office being until 30th June, 1984.

WHERE HAS THE MAIL ROOM GONE ?

For those of you who have spent a week wondering where the mail room went, it went to the northern end of the Hut. Also readers will be interested to know that Ed Hyde, Manager, Printery Services, is in room G14, of the Engineering Workshops.

Campus News will continue to endeavour to penetrate the veil of secrecy surrounding administrative rearrangements.

WOLLONGONG COUNTRY DANCE ASSOCIATION CLASSES

Wollongong Scottish Country Dance Association was formed in 1950 by the present President, Mr. William Scott. Since then it has provided a bridge to many migrants in their adopted country, and to other interested people by encouraging the delightful and pleasurable recreation of Scottish Country Dancing. Scottish Country dancing is not restricted to Scots, everyone is most welcome to attend. It is not to be confused with Highland dancing. Highland dancing is mainly individual dancing while Scottish Country dancing is danced in sets of six to eight people.

W.S.C.D.A. will commence classes at Wollongong University in the dance area of the Union Hall on Friday, 10 February, 1984, at 7.30 p.m. and everyone is welcome to attend. Further information may be obtained from Mrs. M. Ross on 742410 or Mr. Will. Scott on 291058.

EQUAL EMPLOYMENT OPPORTUNITY PROJECT

The staff of the E.E.O. Project, Elizabeth Johnston - E.E.O. Co-ordinator, Jacqueline Jakeman - Research Assistant, and Ann Webb - Clerk/Typist, are currently drafting two confidential questionnaires for distribution to all staff. These questionnaires, one demographic and one attitudinal, together with a review of personnel policies and practices (recruitment, selection, promotion, conditions of service, staff training and development), will form the basis for preparation of the University's Equal Employment Opportunity Management Plan, which is required under Part IXA of the New South Wales Anti-Discrimination Act.

Staff comments on questions that may be included in the questionnaires are welcome. The Project Office is in room 123, top floor of the Administration building, or telephone ext. 3917.

Staff wishing to discuss any aspect of the Equal Employment Opportunity Project are invited to contact the Co-ordinator, Elizabeth Johnstone, on ext. 2917.

Scholarships and Prizes

Details on the scholarships and prizes below are displayed on the Campus News Notice Board situated at the southern end of the Hut. Application forms are available from the Student Enquiries Office.

British Council	ORS Awards.
Grenfell Arts Festival	Henry Lawson Prize for best Australian Song (\$200)
University of Melbourne	David Syme Research Prize 1985

Concerts, Exhibitions and Entertainment

WEDNESDAY GALLERY

4/328 Crown Street, Wollongong.

Paintings, pots and paraphernalia.

Open Wednesdays only 10 a.m. - 4 p.m. Enquiries to Bev - 28.3853.

CAMBRIDGE FOOTLIGHTS REVUE

Wollongong Town Hall Theatre at 8.00 p.m. on Sunday, 8th and Monday, 9th April, 1984

Members of the Friends and members of the Arts Council have priority - book now.

The Cambridge University Footlights Revue, one of the world's leading comedy/light entertainment companies, is coming to Wollongong for two performances only, direct from its Sydney season.

The graduates of the "Footlights Revue" form almost a "Who's Who" of contemporary comedy: John Cleese, Eric Idle and Graham Chapman of 'Monty Python'; Tim Brooke-Taylor, Bill Oddie and Graeme Garden ('The Goodies'); Griff Rhys Jones ('Not the Nine O' Clock News'); Peter Cook and John Bird ('Beyond the Fringe'); David Frost, Eleanor Bron, Jonathan Miller, Julie Covington ('Rock Follies' and the original 'Evita') and Clive James to name but a few.

Others who have worked with Footlights include: Germaine Greer, Douglas Adams, ('Hitchhikers Guide to the Galaxy'), Trevor Nunn (Director of the Royal Shakespeare Co.), Michael Frayn, Leslie Bricusse ('Stop the World I Want to Get Off') and Sir Robert Helpmann, who was guest choreographer 1936-39.

So don't miss your chance to see this outstanding company and the possible comedy stars of the next decade. Book now before all seats are sold out!

Tickets \$12.50, Arts Council Members \$11, Concessions \$8

from University Union - ring 270782 or ext. 3782.

WOLLONGONG SYMPHONY ORCHESTRA

March 17 "Beethoven and Whipped Cream"

Our own 'Viennese New-Year' gala with favourite works by Strauss, Lanner, Suppe, Ziehrer and others. And, for good measure, Beethoven's First Piano Concerto with local born pianist Gerard Willems as guest soloist. Conductor: John Wayne Dixon.

THE LORD MAYOR'S COMMAND PERFORMANCE CHARITY CONCERT

City of Wollongong 150th Anniversary Celebrations.

"A Taste of Opera" - presented by Opera Ensemble on Saturday March 31st 1984 at Wollongong Town Hall at 8.00 p.m.

Featuring excerpts from Faust, Marriage of Figaro, Pirates of Penzance, Showboat and many others.

Tickets available from Town Hall Box Office - 299111; Jurjens - 292379; Palings - 291329; \$8 or \$5 concession.

Don't Miss This Gala Affaire!

Seminars

ENGLISH AS AN INTERNATIONAL LANGUAGE

The above conference will be held at the East-West Centre, Hawaii, from 3 July to 10 August. Further details are on the Campus News Notice Board.

ANZAAS SYMPOSIUM ON FUTUROLOGY

This symposium will be held on 29 March, 1984 at 9 a.m. in the Australian Graduate School of Management at the University of NSW. Further details are on the Campus News Notice Board.

NURSES CHRISTIAN FELLOWSHIP CAMP FOR YEARS 11 AND 12

School children in Years 11 or 12 interested in a career in Nursing can attend the above camp at Elenora Heights in the May school vacation. Enquiries to Leanne McGrath on 02 - 4121197.

RADIOISOTOPE COURSE FOR GRADUATES

The Australian School of Nuclear Technology at Lucas Heights will conduct the above course from 23 July to 17 August. Details on Campus News Notice Board.

ENGINEERING & PHYSICS IN THE LIFE SCIENCES

This Conference will be held in Adelaide from 20-24 August, 1984. Details on Campus News Notice Board.

COMMISSIONS CONTEMPTS & CIVIL LIBERTIES

The above conference will be held at the ANU from 25-26 February. Details on Campus News Notice Board.

Job Vacancies

Details of the following positions are displayed on the Campus News Notice Board situated at the southern end of the Hut.

Sydney Tech. College	Senior Computer Operator
James Cook	Tutors in Commerce
AVCC	University Vacancies in Australia and Overseas
Adelaide	Postdoctoral Fellows in Applied Geophysics and Physics. Tutor in Commerce Research Associates (all fields) Librarian Grade I Lecturer in Geology
Murdoch	Tutors in History Vice-Chancellor
Queensland	Lecturers in Computing Science Electrical Engineering, Clinical Neuropsychology, Course Development Adviser in External Studies and Continuing Education, Chemical Engineering, Counselling Psychology

NSW	Professor of Transport Engineering
ANU	Research posts in Astrophysics, Ageing
United Nations	Various Posts

Advertisements

GWYNNEVILLE HOME FOR SALE

3 bedroom weather board/tile home, fully furnished and immaculately kept, recently painted. Lounge, bathroom, dining room, kitchen, laundry, garage. Level block opposite park land. Close to North Wollongong Station, buses, clubs. Ten minutes walk to University. \$64,000. Enquiries to 294095.

KEIRAVILLE HOUSE FOR SALE

Weather board 3 bedroom with built-ins, tiled bathroom, lounge room dining area, modern kitchen, large sunroom, a.g. pool, close to schools, shopping centre and uni. Ideally appointed family home. Price \$78,500. Phone 292413 after 5.30 p.m.

WANTED

From late December or early January to December 1984, a fully furnished two bedroom flat (second bedroom for study) for mature PhD student.

Phone and leave details International House ext. 3784 office hours. Adam Kulera.

TO LET

House to let. 2 bedroom double garage. Mt. Ousley for 12 months 30 January 1984 to 30 January 1985. Rent negotiable - say \$100 - \$110. No pets. Ring John Shield 831389 evenings.

ACCOMMODATION IN UK

The following are realtors specialising in residential letting in the U.K.: Birch and Co., Dorville House, 14 John Princes St., London, WIM 9HB. Phone 01 - 4998802. Telex 268312.

WANTED

Ladies bicycle in good condition. Phone Ann on ext. 3615.



PUT WOLLONGONG FIRST

A Unique Personal Opportunity

One of Wollongong's finest public institutions
is its University

Be remembered forever by endowing
the University

*by gift *by bequest
* by bequest reserving life income

For personal and confidential attention call
Giles Pickford of the Friends of the University
on (042) 270076 or 270555



friends 

DID YOU KNOW that the University needs the support of its graduates and that this can be delivered through the Graduates Committee of the Friends of the University?

Membership of the Graduates Committee is open to all members of Convocation for \$10.00 p.a. or \$40 for Life Membership.

THE HISTORY OF THE UNITED STATES

The history of the United States is a story of growth and change. From the first settlers to the present day, the nation has evolved through various stages of development. The early years were marked by exploration and settlement, followed by a period of rapid expansion and industrialization. The American Revolution and the Civil War were pivotal moments in the nation's history, shaping its identity and values. The 20th century brought significant social and political changes, including the rise of the New Deal and the Civil Rights Movement. Today, the United States continues to face new challenges and opportunities, but its core principles of liberty and democracy remain steadfast.

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