



THE UNIVERSITY OF WOLLONGONG

# CAMPUS NEWS

A WEEKLY INFORMATION SHEET

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Distributed each Friday.

Editor: Giles Pickford, tel. (042) 282428.

## News Flashes

### ENROLMENTS

Following the re-enrolments in late February the interim statistics show a slight rise on last year.

Student Numbers:	24.2.82	24.2.83
Faculties Sector		
Bachelor	2595	2673
Other than Higher Degree	245	397
Higher Degree	218	67

3058 3137

Institute Sector	—	714
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Student Load:	24.2.82	24.2.83
Faculties Sector		
Bachelor	1862	2101
Other than Higher Degree	154	149
Higher Degree	301	100

2317 2350

Institute Sector	—	399
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(Note: These figures include 156 unpaid students (117 student load), 22 of these in the Institute sector).

### LEISURE PROGRAMMES FOR THE DISABLED

Lyn Gow of the School of Education in the Institute Sector has developed a pilot programme of research and development into leisure programmes for the disabled of Illawarra.

A survey was conducted in March 1982 with funds provided by the Institute. It was established that the provision and organization of leisure facilities for the disabled is limited and generally fragmented.

Not happy with simply identifying the problem, Lyn went on to develop two separate leisure programmes for the disabled within this region - Leisure activities for the Adult Disabled, and the under 18's Saturday Leisure Club.

Both these programmes include interesting leisure

activities which will continue throughout the year. Lyn is somewhat handicapped herself at the moment as she is expecting a baby in the near future; however the programmes will continue with the assistance of others.

### INTERFACE CARD FOR APPLE II

"Electronics Today International" in its March journal carries an article by Dr. Phillip McKerrow of the University's Department of Computing Science.

The article describes Dr. McKerrow's invention of an interface card which can plug an Apple computer into the real world.

The card has one analogue input and one analogue output plus eight digital inputs and eight digital outputs.

Possible applications of this card vary from controlling models to monitoring scientific experiments.

A number of people use this interface card to control the Tasman Turtle Robot. These robots require eight digital outputs to operate motors, lights, pen and horn, and four digital inputs from the touch sensors.

Other digital applications include: reading bar codes with a Hewlett-Packard bar code reader (HEDS 3000), driving a printer and reading a digital voltmeter.

The apparatus was used in a physics experiment, designed to illustrate Newtons' second law.

### FISHER FOR INTERNATIONAL ADVISORY COMMITTEE

Professor Peter Fisher of the Department of Physics has been invited to join an international panel of experts who are organizing a satellite conference on "Spectroscopy of Shallow Centres in Semiconductors".

The satellite conference will be held in conjunction with the 17th International Conference on the Physics of Semiconductors in San Francisco on 6-10 August, 1984.

As a member of the International Advisory Committee, Professor Fisher will make a substantial contribution by suggesting invited talks and special topics which will be featured by the Conference.



## News Flashes

### JEWISH SCHOLAR TO SPEAK

Mr. Harold Nagley, an eminent scholar of Judaism will speak on "Jewish ideas and the expectations of a Messiah at the time of Jesus".

The lecture will be at 7.30 p.m. on Monday, 21 March, in Pentagon Theatre 4 and the general public are welcome to attend.

Harold Nagley of the N.S.W. Board of Jewish Education was born and educated in Leeds, Yorkshire. He graduated B.A., Honours in French and Latin, including a term at the University of Sorbonne, Paris.

He entered on a career in Jewish Education in 1948, in which he has since been involved. His appointments have included: Headmaster of a Jewish Day School, Liverpool, U.K., 1951-1961; Vice-Principal of Mt. Scopus College, Melbourne, Vic. until 1965. Principal of Moriah College, Bellevue Hill, N.S.W. until 1978, and since then Director of Education of the N.S.W. Board of Jewish Education.

### LILLEY APPOINTED RADIATION SAFETY OFFICER

At its February meeting, the Radiological Advisory Council of N.S.W. appointed Dr. Ross Lilley of the Department of Biology as Radiation Safety Officer for the University.

In this capacity, Dr. Lilley will be responsible to the Advisory Council for ensuring that the provisions of the State Radioactive Substance Act, relating to radioactive substances and irradiating apparatus, are followed in the University.

Dr. Lilley replaces Associate Professor Noel Kennon who has been R.S.O. for the University since 1969.

### NEED FOR INTERACTION WITH INDUSTRY

Carmel Maguire and Robin Kench of the School of Librarianship at the University of New South Wales have conducted a survey and analysis of sources for ideas for applied university research and their effect on the applications of research findings in Australian industry.

Seventeen research projects pursued by chemical engineers and food technologists working in six Australian universities were examined. The progress of the findings was measured against five stages in the process of industrial adoption. A statistical test of the ranking of all the projects suggests that, whereas there was no significant difference between progress made by university-initiated and industry-initiated projects overall, the industry-initiated projects made significantly more progress towards adoption than those initiated by universities and pursued without interaction with industry. The projects initiated by universities in which there was constant interaction with industry were all adopted.

While innovation in industry depends on many variables, the evidence of these case studies suggests that close interaction between university researchers and industry may be more important than the sector in which research ideas arise in determining whether that research will find industrial application.

A copy of the paper is available from the Editor.



## Campus Community Interface

### SENIOR CITIZENS DAY AT THE UNIVERSITY OF WOLLONGONG

Mr. Don McCollim of Gwyneville Senior Citizens Centre organised an interesting day for senior citizens and pensioner groups at the University of Wollongong on Tuesday, 8th March.

Mr. McCollim, who is a member of the Friends of the University, said that the day was challenging and filled with interest.

It started with a discussion about public transport problems experienced by senior citizens, especially at night and on weekends. This section was led by Dr. Phillip Laird of Community Transport Concern.

The importance of oral history followed with Dr. Glen Mitchell and Dr. Winifred Mitchell explaining why and how senior citizens can enrich our historical research, and the regions' archives, by recording their memories of the days gone by. Volunteers for this project were enrolled on the day.

The next topic for discussion was two community needs, that is the need for the elderly for companionship, and the need for students for accommodation. It is hoped that some student boarding in the homes of senior citizens in Gwyneville, Keiraville, Balgownie and Fairy Meadow will result.

This was the first event organized by the Friends for Senior Citizens and it is hoped that a fruitful relationship with this important group of people will result.

### HERITAGE WEEK 1983

April 10 - 17 is Heritage Week.

The University's main activities will be:-

*Sunday, April 10:* "Heritage by Wheels". Steam train tour from Sydney to Kiama. Local people will be given the opportunity of boarding the train at Wollongong for the trip to Kiama and return. Free tours in 1930's vintage buses, with commentaries on historic sites - including the site of an experimental blast furnace in the University's north-west corner. More details later.

Anyone with items to display please contact Winifred Mitchell, Robyn Cowan or Ben Meek.

*Wednesday, Thursday, Friday, April 13-15:* Visiting Historian. Professor Ken Inglis, A.N.U., Visiting Professor in Australian Studies at Harvard 1982. Faculty Seminar Wednesday on the Bicentennial History; lecture in Australian History on Thursday; dinner in Union Common Room Wednesday and address on the Wollongong War Memorial.

*Friday, April 15:* Vice-Chancellor's Seminar, The Tyranny of Transport. Details later, but a group of good speakers is assured.



# General Notices

## LIBRARY OPENING HOURS 1983

Monday - Thursday	9 a.m. - 10 p.m.
Friday	9 a.m. - 6 p.m.
Saturday	9 a.m. - 5 p.m.
Sunday	1 p.m. - 5 p.m.

Public Holidays	
Good Friday	Closed
Easter Saturday	Closed
Easter Monday	9 a.m. - 5 p.m.
Anzac Day	9 a.m. - 5 p.m.
Queen's Birthday	9 a.m. - 5 p.m.
Eight Hour Day	9 a.m. - 5 p.m.

## ALTERATION TO TRAFFIC

Staff and Students are reminded that the entrance to the Union car park from East Road is marked "No Exit" and traffic is only permitted to enter the car park from East Road. All egress from the Union car park is from Union Road.

## STUDENT ELECTIONS

Nominations for student representation on the following bodies close on Friday, 18 March, 1983 at 5 p.m. Enquiries should be directed to the Elections Officer in Room 121 of the Administration Building.

Academic Senate  
Faculties of Commerce, Engineering, Humanities,  
Mathematics, Science, Social Sciences.  
Academic Board  
Schools of Education, Arts and Community Studies,  
Industrial and Administrative Studies  
Boards of Studies of the above Schools  
General Studies Committee  
Library Committee  
Physical Facilities Committee

## MAINTENANCE TESTING OF AIR CONDITIONERS

For those who may have recently noticed an air conditioner unit in the Maintenance Workshop, a note of explanation.

At present there are over 200 air conditioner units in various approved locations throughout the University. These units are regularly maintained and require particular attention during the summer months when they are operating under heavier loads. The units you may see from time to time in the wall of the Maintenance Workshop are, in fact, under maintenance tests.

## A. I. & S. STAFF DEVELOPMENT COURSES

Mr. Tom Moore on extension 886 has information on staff development courses available at \$90 per day for participants.

## UNIVERSITY BUS SERVICE UNDER THREAT

University representatives attended a meeting held recently in the offices of the Department of Motor Transport at which the proprietor of the Keiraville Bus Service asked for permission to terminate evening and night services from the University to Wollongong. The proprietor says that patronage does not warrant continuation of the service.

After lengthy negotiations, the proprietor agreed that the service would be continued during the month of March to assess whether the further continuation of the evening service is warranted.

The attention of all staff and students is drawn to the following:

- \* The No. 10 bus provides a half hour service during business hours from the University to Wollongong and to Keiraville - West Wollongong.
- \* Evening services depart the University at 5.35, 6.35, 7.30 and 8.30 p.m. from Monday to Thursday during session.
- \* The bus route was altered last year and buses now put down and pick up in Northfields Avenue directly outside the Union, Library and Institute entrances.
- \* A concession rate is available for all full-time students. Concession cards may be obtained from the Student Enquiries office.

The concession is offered for the first session only and will be reviewed then in the light of student patronage of the service.

Staff and students are encouraged to support the No. 10 bus to ensure its continuation, particularly in the evenings.

Staff or students wishing to hire a bus for any reason are asked to consider obtaining a quote from the proprietor, Mr. Stan Horrell, phone 292245.

## CALENDAR OF MEETINGS

The Calendar of National and International Scientific Meetings in Australia, published by the Academy of Science, is available from the Editor, extension 428.

# Research Grants

## 1984 ARGS GRANTS

Applications are invited under the Australian Research Grants Scheme from individuals or research teams for grants in support of research projects.

Research projects should normally be carried out in Australia, but projects to be carried out elsewhere may be considered.

The basic criteria used by the Committee when considering applications are:

The quality of the project and the investigator  
The appropriateness of the project to the general facilities available to the applicant

Application Forms and further details are available from the University Finance Office and the Secretary to the Australian Research Grants Scheme.

Applications must be submitted through the administration of the applicant's institution. They must reach the Finance Office no later than 6th April, 1983.

Applications received after the closing date will not be considered.



# Concerts, Exhibitions and Entertainment

## THEATRE SOUTH LAUNCHES 1983 SEASON

Theatre South has launched an impressive array of entertainment for 1983.

The public can save 20% by purchasing a season ticket to the following plays:

What the Butler Saw - April 15 to May 7 (Wednesday - Saturday 8 p.m.) at Wollongong Technical College Theatre

Might As Well Talk To Yourself - May 20 to June 4 (Wednesday - Saturday 8 p.m.) at Wollongong Technical College Theatre

On Our Selection - July 1 to July 23 (Wednesday - Saturday 8 p.m.) at Wollongong Town Hall Theatre

The Birds Have Flown - August 27 to September 10 (Wednesday - Saturday 8 p.m.) at Wollongong Town Hall Theatre. (This play is sponsored by the Friends of the University of Wollongong).

The Perfectionist - October 7 to October 22 (Wednesday - Saturday 8 p.m.) at Wollongong Town Hall Theatre

A season ticket to all 5 shows costs only \$40. Enquiries to Theatre South on (042) 282923, or P.O. Box 1144, Wollongong, NSW, 2500.

## PERSIAN CARPET GALLERY

The Persian Carpet Gallery of Double Bay presents for display and enquiries authentic fine persian and oriental carpets and rugs at the University of Wollongong Union Hall on the following dates:

Friday, March 11 - 2 pm to 8 pm  
Saturday, March 12 - 10 am to 4 pm  
Sunday, March 13 - 2 pm to 8 pm  
Monday, March 14 - 10 am to 2 pm

On Sunday, 13th March there will be a special programme and refreshments at a charge of \$7.50.

## CITY OF WOLLONGONG SYMPHONY ORCHESTRA

On Saturday, March 19, at 8.00 p.m. in the Wollongong Town Hall, Dennis Hennig, solo pianist, will feature in a programme including works from Vaughan Williams, Rachmaninoff and Beethoven. Tickets: \$7.00, \$5.00 concession available at the door. Subscription season tickets for four concerts still available at Jurjens Pianos, 232 Keira Street, Wollongong. Prices \$21.00, \$16.00 concession.

## POETS UNION

On Sunday March 20, 3 p.m. at Wollongong City Art Gallery, the second in the series of three Gallery Readings of contemporary poetry and prose will occur. Admission is free thanks to the support of the Australia Council. There will be six readers. From Sydney: Finola Moorhead (feminist prose writer), Sasha Soldatow (gay performance poet), and Suzy Malouf (short prose fiction writer). From Wollongong Poets Union: Dorothy Swoope (poet), Richard Harland (poet, prose writer and critic), and Peta Spear (poet and short prose fiction writer).

## FRENCH FOLK AND POP SINGER

Already an established folksinger in his own country ERIC VINCENT has toured extensively throughout the world (Asia, Polynesia, North America ...). In France, he has performed at the most famous music-halls in Paris, such as Bobino and Pleyel, and a large number of cabarets and cafe-theatres as well as on popular television and radio programmes.

He is an excellent guitarist and his repertoire is varied, including traditional French folk songs as well as modern tunes and lyrics concerned with the social and ecological problems of our time.

But whether his musical world is centred on lost or imaginary islands or on current problems in society, it is his open and dynamic personality that makes the difference on stage.

Eric Vincent is a rising star in the sky of French folk singing and he will be performing in Wollongong on Saturday, March 12 at 7.30 p.m. at the Institute Music Centre in the University of Wollongong.

For further information, please ring the Alliance Française at the Department of European Languages on (042) 282835.

## Job Vacancies

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

AVCC	The AVCC list of overseas university vacancies is posted on the Campus News Notice Board
United Nations	Technical Development Programme Posts
Macquarie	P/T Research Assistant in Chemistry
Newcastle	Lecturer in Behavioural Science in relation to Medicine
ANU	Temporary Lecturer in Political Science Research posts in Space Astronomy Vertebrate Neurobiology, Population Biology, Biochemistry, Microbiology
BHP (Groote Eylandt)	Computer Operations Controller
James Cook	Lecturer in Social Work
College of the Bahamas	Posts in Librarianship, Counselling, Accounting, Public Administration, Education, Reading Language, Literature, Physical Education, all Sciences, Geography, Economics, Social Sciences, Mechanical Technology, Applied Electronics, Building Construction Technology
Flinders	Senior Librarian



## Seminars

### DEPARTMENT OF BIOLOGY

On 21 March in Room G25 of the Metallurgy Building, Professor R.E. MacMillen of the Department of Ecology and Evolutionary Biology of the University of California will speak on "The physiological ecology of granivory in desert rodents".

### DEPARTMENT OF MATHEMATICS

The following seminars will be held at 3.30 p.m. in the Austin Keane Building, Room 204.

- 11 March - Professor J.R. Blake (Department of Mathematics, University of Wollongong).  
"Gamete transport: a fertile area for fluid mechanics research".
- 18 March - Professor C. Rogers (Department of Applied Mathematics, University of Waterloo, Canberra).  
"Introduction to Backlund Transformations".
- 25 March - Dr. T.S. Horner (Department of Mathematics, University of Wollongong).  
"Some problems in numerical linear algebra".

Further information is available from Professor John Blake, Department of Mathematics (Phone 042.282878).

### ENGINEERING & PHYSICS IN THE LIFE SCIENCES

Details of this meeting to be held at the Hyatt Kingsgate in Sydney from 11-14 October, are displayed on the Campus News Notice Board at the southern end of the Hut.

### ELECTRICAL AND COMPUTER ENGINEERING

Professor Dr-Ing Dietrich Naunin, of the Technical University of Berlin, will conduct a colloquium on "Control strategies and micro computer control of three phase machines" at 2.15 p.m. on Friday, 18 March in Pentagon Theatre 5.

Professor Naunin will be visiting the Department of Electrical and Computer Engineering at the University of Wollongong for approximately two weeks during which time he will present a lecture series dealing with the analysis and performance of variable speed drives. These lectures will be in addition to the one listed above and will be presented at the times and places listed below:

- Wednesday, 9 March, 8.30 am - 11.30 am - Rm G20, Building 4
- Thursday, 10 March, 1.30 pm - 4.30 pm - Rm G19, Building 4
- Wednesday, 16 March, 8.30 am - 11.30 am - Rm G20, Building 4.

### NATIONAL CONFERENCE OF INDEPENDENT SCHOOLS

This conference will be held at the University of Melbourne from 27-29 May. Details on Campus News Notice Board in the Hut.

## Staff Changes and Movements

### APPOINTMENTS

- Newland, Mrs. E.A. - Research Assistant, H.P.S.
- Schmidt, Professor L.C. - Professor, Civil and Mining Engineering
- Bartels, Dr. D. - Research Associate, H.P.S.
- Nguyen, Dr. R.V. - Lecturer, Civil and Mining Engineering
- Morris, Mrs. L.M. - Half-Tutor, Mathematics
- Paterson, Mrs. M. - Graduate Assistant, Academic and Student Services
- Dean, Mr. M. - Lecturer, Sociology
- Gerrard, Mr. J.L. - Half-Tutor, Economics
- Smith, Miss J.R. - Lecturer III, School of Education
- Molitero, Mr. G. - Lecturer, European Languages
- Nethery, Mr. V.M. - Lecturer III, School of Education

## Scholarships and Prizes

Details on all the scholarships and prizes below are displayed on the Campus News Notice Board situated at the southern end of the Hut.

University of Windsor  
Ontario, Canada

Creative Writing Courses and funding

University of Tasmania

Postgraduate Scholarship in Mineral Chemistry

