



THE UNIVERSITY OF WOLLONGONG

# CAMPUS NEWS

A WEEKLY INFORMATION SHEET

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Distributed each Friday.

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

## Biology Wins A.R.G.S. Gold

The Australian Research Grants Scheme announcements have been released for funding in 1983. The University of Wollongong has improved its overall position, and the Department of Biology put in a tear away performance taking \$81,260 of the University total of \$222,304.

New projects accounted for \$85,761 while \$136,543 was allocated to projects continuing from the previous year.

The University has been steadily improving its performance in attracting ARGs grants, which are competed for fiercely around Australia. The following table shows that although the total number of grants given in previous years has been falling, Wollongong has increased its percentage slightly in the number of grants gained: and has nearly doubled its total ARGs \$ income since 1979.

Date	No. for W'gong	\$	No. for Aust.	\$
1983	10	222,304	1193	19,250,000
1982	20	193,652	1347	17,980,000
1981	18	188,039	1453	16,000,000
1980	17	102,512	1526	12,975,000
1979	17	120,255	1429	12,127,849

In a recent article in "Search" Bourke and Simondson of Flinders University analysed the proportion of ARGs money attracted per head of academic staff in Australian Universities. In 1982 the Department of Biology at the University of Wollongong came second, attracting an average of \$6,480 per head of staff. Flinders University came first with \$8,151 and the University of NSW third with \$6,080.

The complete set of 1983 ARGs grants to the University is set out overleaf.

## Shortage of Australian Physicists

At a recent meeting of Heads and Chairmen of Departments of Physics of Australian Universities, which preceded the Australian Institute of Physics Fifth Congress in Canberra, information was presented regarding the job-market for physicists with doctorate degrees. Professor John R. Prescott of the University of Adelaide reported that a systematic survey carried out by him of employment opportunities for physicists with doctor of philosophy (PhD) degrees revealed a serious short fall in the numbers of such persons trained in Australia.

In 1981, approximately one hundred and fifty positions were advertised requiring a Ph.D. in physics as qualification while at least half as many positions again were available for persons for which such a qualification would be appropriate.

However, in 1981, Professor Prescott reported that only 53 physicists graduated in Australia with Ph.D. degrees, that is only about one-quarter the number required.

Part of this serious decrease in such persons is due to the very large reduction in the number of Commonwealth Post-Graduate Research Awards offered in the past several years and the low stipend associated with these awards. Professor Prescott also reported that the alarming shortage of physics trained high school science teachers had now become very visible in that at least four states were openly advertising for physics teachers.

This shortage had been evident some time ago and could also be part of the reason for the dearth of Ph.D. physics graduates.

Professor Fisher, Chairman, Department of Physics, the University of Wollongong, reports that in the South region a survey carried out in 1979-80 jointly by staff at the Wollongong Institute of Education, the South Coast Regional Office of Education and the Department of Physics, the University of Wollongong, revealed that a significant fraction of the high schools in the region were without science teachers with training in physics while many who had such training were not trained to a sufficient level.

A national survey conducted in 1979 by G.W. Bassett, covering a wide range of teaching activities, revealed that New South Wales has the lowest percentage in Australia of high school teachers of year 12 physics with adequate training in physics.

Towards the end of last year a copy of the 1981 Higher Education Board (HEB) Report on the Supply of and Demand for Teachers for Government and Non-Government Schools in New South Wales 1981-1989 was made available to the University.

Since completion of that Report further work has been done by the H.E.B. in the light of actual enrolments, resignations etc. in 1981. As a result of this work it is apparent that some action should be taken now to increase the output of teachers in mathematics, science (especially physics, chemistry and agriculture) languages (in subject combinations acceptable to the Department of Education) industrial arts, music and home economics.



## 1983 ARGV GRANTS TO THE UNIVERSITY

Investigator	Project Title	\$
Assoc. Prof. J. Hagan*, History	Selected documents on the Australian Labour Movement, 1900-1980	3,501
Dr I. McLaine, History	Britain, The United States and the Korean War	3,500
Prof. R. Johnston* Dr E. Richards, Dr J. Schuster, H.P.S.	Goal Direction in the life sciences: intellectual and social factors in the production of science and technology.	23,000
Dr D. Mixon, Psychology	Changing definitions of social psychology	5,000
Dr E. Richards, H.P.S.	Vitamin C megatherapy. The sociology of scientific controversy	8,000
Assoc. Prof. L. Viney, Psychology	Transitions: A study of men experiencing change in retirement	14,000
Prof. P. Fisher, Dr. P. Simmonds, Dr A Martin, Physics	Solid state spectroscopy, electronic and vibrational spectra of solids	7,000
Dr R. Whelan*, Biology	The role of refugia in the regeneration of a health community after fire	6,400
Dr A. Hulbert, Biology	Studies in the evolution of mammalian endothermy	9,100
Prof. A Brown, Dr R.M. Lilley* Biology	Osmoregulation in halotolerant algae	27,855
Prof. A. Brown*, Biology	Water stress and osmoregulation in yeast	25,005
Dr R. Lilley, Biology	Metabolite levels in the cytosol and mitochondria of plant leaf cells.	10,900
Dr H.J. Spencer, Biology	Assay of neurotransmitters released from hippocampal slices and of neuronal markers	2,000
Dr A. Wright, Geology	Devonian biostratigraphy of the capertee geanticline	2,400
Mr M. Atkinson, Metallurgy	Plastic properties of ductile sheet metals	10,000
Prof. J. Blake, Mathematics	Dynamics of cavitation damage to turbomachinery	25,243
Assoc. Prof. N. Kennon, Dr D. Dunne, Metallurgy	Properties and applications of shape memory alloys	17,000
Dr F. Paoloni, Electrical & Computer Engineering	Microwave wavefront reconstruction	1,000
Dr W. Soh, Mechanical Engineering	Experimental investigation on the shedding of the vorticity by sharp edges and the computation of axisymmetric vortex sheets	21,400

\* New project funded in 1983 by ARGV.

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## News from Council and Senate

### ACADEMIC SENATE, 15TH SEPTEMBER, 1982

At its meeting held on 15th September, 1982, the Academic Senate endorsed a common set of Matriculation and Admission Regulations which apply to the two sectors - Faculties and Institute - of the University.

Faculty Planning Committees were asked to consider two matters related to students' course planning. Firstly, Senate has asked the committees to report on the system of academic advice currently operating in the University; Senators were concerned that the student and the academic adviser were able to gain a clear idea of the full programme when determining each year's subjects. Secondly, the Faculty Planning Committees were

asked to prepare lists of subjects to be offered by their member Departments in 1983; this project was related particularly to the previously approved guidelines for the offering of subjects, which set minimum subject enrolment numbers for each undergraduate level (100, 200 and 200).

In the ceremonial area, Senate recommended to Council a series of procedures and criteria for the University's Honorary Awards which include:

- a) the award of the title of Emeritus Professor.
- b) the recognition of a contribution made by an individual to the University.

Also in the "public" arena, was Senate's resolution that the University plan to hold an Open Day, commencing in 1983, on a suitable Saturday, every alternate year; Senate has established a Working Party to organise this activity.

## Campus Community Interface

### FRIENDS MEMBERSHIP ALL EMBRACING

The membership of the Friends is analysed in the table below. University staff are encouraged to make use of the Friends in projects which may be of interest to the community. Anyone wanting more information should ring Giles Pickford, Executive Officer of the Friends, ext. 428.

#### Membership of the Friends

Graduates	72	Charitable Bodies	3
Staff	42	School Principles	3
General Public	15	Students	3
Medical Profession	15	Travel Industry	3
Unions	14	Aboriginal Community	2
Ethnic Community	9	Automotive Industry	2
Legal Profession	6	Electricity Supply	2
Local Government	6	Sporting Groups	2
Tourism & Entertain.	6	Transport Industry	2
Banking & Finance	5	Advertising	1
Consultancies	5	Agriculture	1
Engineering Firms	5	Architects	1
Politicians	5	Coal Mining	1
Steel & heavy indust.	5	Churches	1
Accountants	4	Nursing	1
Aldermen	4	Real Estate	1
Chambers & indust. bodies	4	Refractories	1
Media	4	Pharmacy	1
Public Servants	4	Senior Citizens	1
Retailers	4	Total	266

### DOREEN'S PARTY

Let your hair down on Thursday, 2 December, and come to Doreen's Party for Friends, staff and students, in the Union Hall. Tickets are available from the Union Office.

For \$10 admission you will be getting great value; entertainment by Theatre South, the University Singers and the Zagreb Croatia Folklore Group and the menu is a blinder:

6.30 p.m. Pre-drinks:

Wine, orange juice, beer, crisps, peanuts, olives.

7.00 p.m. Christmas Buffet:

Decorated trunk pork (cooked whole carved by Chef); Roast Beef (cooked whole carved by Chef); Flounder pieces - tartare Sauce; Chicken Pieces; Assorted Salads; Coleslaw; Rice Salad; Minted New Potatoes; French Bread; Watermelon Fruit Salad and Cream; Coffee. Carafed wine and jugs of orange juice on tables.

## Distinguished Visitors

### GEOFF PAGE TO VISIT WOLLONGONG UNI.

Geoff Page, Canberra poet, is to be poet in residence at the University of Wollongong from 10th-23rd October. He is to work both in the Faculties Sector and in the Institute Sector of the University.

While in residence, Mr Page will -

- give writing workshops in both sectors of the University
- give a public lecture on the topic "Modern Australian poets and the First World War"
- give a public reading of his work
- be available for discussion with staff and students

Geoff Page was born in Grafton NSW in 1940 and brought up on a cattle station on the upper Clarence River. He went to school and university in Armidale NSW and after a year's teaching in Sydney moved to Canberra in 1964. Since then he has taught in two Canberra high schools and is currently in charge of the English Department at Narrabundah College. He began publishing his poems in 1968 and has since written five books of poetry. He has also written for radio (for two years a regular contributor to the ABC's Books and Writing programme) and has reviewed poetry regularly for The Canberra Times, in addition to occasional reviews in The National Times and The Sydney Morning Herald. For 25 years he has been keenly interested in jazz and is married with one son.

Books by Geoff Page:

*Two Poets* (with Philip Roberts), University of Queensland and Press, 1971.

*Smalltown Memorials*, University of Queensland Press, 1975.

*Collecting the Weather*, Makar Press, 1978.

*Cassandra Paddocks*, Angus and Robertson, 1980.

*Clairvoyant in Autumn*, Angus and Robertson, (forthcoming in 1983).

*Shadows from Wire* (anthology of photographs and recent Australia poems on World War I, edited by Geoff Page, to be published by the Australian War Memorial late in 1982).

For further information contact: Mr R. Pretty (042) 202243.

## Scholarships and Prizes

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

University of Adelaide	Scholarships and Postgraduate Studies (all fields)
University of Melbourne	Postgraduate Scholarships (all fields)
Swiss Government	1983/84 Scholarships (all fields)
Australian Government	Aboriginal Overseas Study Awards



# General Notices

## MET SOC CELEBRATES 21ST ANNIVERSARY

The University's Metallurgical Society is the oldest non-sporting Society on this Campus.

On Thursday the 23rd September a highly convivial dinner was held to celebrate its 21st Anniversary. The dinner was attended by some 150 guests including the Vice-Chancellor and Mrs. McKinnon together with committee members from the first committee dating back to 1961.

A feature of the evening was a magnificent birthday cake baked by Wendy Hunt the wife of a final year student in the Department. The cake was cut by Professor Geoff Brinson after he had accepted a special 21st Anniversary presentation of the "Trebor Snibor" Award on behalf of Ffeog Nosnirb. The award is made to a person who has distinguished himself as being more hamfisted than anyone else during the preceding year.

Another notable feature of the evening was a group of early photographs of staff members displayed in a special anniversary booklet - the years have certainly taken their toll!

The highlight of the evening was the address by Mr Bob Pearson a member of Council and one of the most distinguished metallurgical identities in the district. To mark the occasion he was made the first honorary life member of the Society.

In all, the evening was remarkably successful and a tribute to the hard work of the organising committee and its helpers. The organising committee was Graham Hunt, Robert Doherty and Peter Tolhurst.

## NEW UNION CHAIRPERSON

Sylvia Huntley-Moore was elected as Chairperson of the Union Board of Management on 21 September. Sylvia is the first woman to hold the Union's top elected position.

Des Jamieson has been re-appointed to the Deputy Chairperson post, which he last held in 1980-81.

Committee Chairpersons were elected as follows:-

Finance & Development	John Panter
Activities	Shirley Nixon
Services & House	Jonh Gonzalez

## SCHOOL OF EDUCATION SEMINAR WITH THE VICE-CHANCELLOR

As part of a program of Staff seminars the Institute's School of Education met on Wednesday 29 September to discuss trends and issues in Australian education and possible lines of development of the School within the University structure. These seminars are being organized by Bill Windsor on a fortnightly schedule.

Dr McKinnon presented his views about the larger scene so far as Schools were concerned. Particular interest was shown in his analysis of the funding procedures that relate to State and Private schools, and in his report of discussions with the Prime Minister at the recent Vice-Chancellors' meeting. The School was reminded of the Government's preference, in its funding strategies, for

T.A.F.E. and C.A.E. areas in tertiary education. Another aspect of interest to staff was the view that the Secondary school curriculum should be reoriented to take better account of the changing needs of students, particularly those who do not match the common teacher expectation that they learn in academic, book oriented ways.

Staff expressed great interest in the Vice-Chancellor's views about the role of the School in the University, and were appreciative of his strong support of the concept of applied research that is now emerging as a form of activity within the School of Education. Discussion here involved access to funding, the Director noting that internal funds for research were available and currently in demand. Dr McKinnon pointed out that in the present economic climate, there was a much greater likelihood of external support for applied research from Government bodies. Questioning was lively and sustained and reflected the many important issues raised in the seminar.

## TREE PLANTING BY ITALIAN GROUP

The Vice-Chancellor, Dr. Ken McKinnon planted a eucalyptus tree in the University grounds on behalf of Il Circolo Italiano of the European Languages Department on Wednesday, 6 October at 12.30 p.m. The planting commemorated the Year of the Tree, as a contribution to the preservation and beautification of the environment. The eucalyptus is synonymous with the magazine, "L'Eucalyptus," an annual publication produced by Il Circolo Italiano, an Australian-Italian Club within the European Languages Department, for student cultural activities.

Il Circolo Italiano enjoys a lively participation in these activities, this year having organised its second Annual Italian Regional Dinner; additionally, its members produced and performed in two Italian plays, "L'Educazione di Caterina", written by a student, Syd Bristow, and "LaMarcolfo" by Dario Fo, a 'first' in the City of Wollongong. The members are looking forward to their next venture, a conversation week-end at Gerringong on 19 November, when there will be an insistence on the use of the Italian language.

## AUSTRALIA DAY

"Australian of the Year" and "Young Australian of the Year" nominations are being called for by the Australia Day Council.

Information from Giles Pickford on 282428 (16-5-4 refers).

## FIJIAN GOVERNMENT RECOGNISES WOLLONGONG

The Secretary of the Public Service Commission of Fiji, Mr L. Qavase, who visited the University earlier this year, has announced that the University has been added to the list of Australian Universities to which the Fijian Government will send sponsored students.

It is likely that the number of sponsored Fijian students at Wollongong will increase in future years.



## Seminars

### GRASSBY ON CAMPUS - ALL WELCOME

Al Grassby will be visiting the Institute of Advanced Education on Monday, 11 October, to speak to the students undertaking the Bachelor of Education (Physical and Health Education) programme on Community Relations in Australia. 2.30 - 4.30 p.m. in the Music Auditorium at the Institute.

### CERAMICS WORKSHOP

Saturday 16 and Sunday 17 October. Union Common Room. 9.30 a.m. arrive. 10.00 a.m. - 4.00 p.m. workshop hours.

Well-known Sydney potter, Suzanne Satartin, will conduct a workshop with emphasis on demonstration but with some optional participation by the group. Bookings are necessary as numbers are limited. Phone Ann Webb 833403 after 5.00 p.m. to book.

Cost: \$10, payable on arrival on the Saturday.

Minimum age: Sixteen years. Males are most welcome - the workshop is not limited to female participants.

Requirements: Notebook, sketchpad, biro, pencil, and apron or protective clothing for optional participation. Bring a packed lunch.

### THEA ASTLEY SPEAKS

Thea Astley - the noted Australian novelist and short story writer - guest speaker at the Women and Arts Festival dinner, Tuesday, October 12 at 7 p.m., Common Room, Union Building.

The Women and Arts Festival will be celebrated throughout NSW during October and for the first time Wollongong is contributing in a major way with a programme of music, film, art, craft, theatre and literature. The University, under the auspices of the English Literature and Drama department, is combining with the Wollongong Committee of the Festival to hold an informal buffet dinner, October 12, 7 p.m. Common Room, Union Building.

Thea Astley will speak on 'Women and Writing in Australia Today'. Her achievements are many, she is the author of seven novels, three of which have won the coveted Miles Franklin award. She has also written numerous short stories and edited the 1969-70 volume of Coast to Coast - a selection of Australian short stories. Until recently she was senior tutor in Australian Literature and creative writing in the English Department at Macquarie University.

Among her best known works are: A descant for gossips; Slow natives; The well dressed employer; A kindness cup; The Acolyte.

Her latest publication is 'Hunt the wild pineapple' and is a collection of short stories. Thea Astley's work is distinguished by its wit and acute perception.

For those with an interest in Australian literature the evening is a must; for those still to be converted the evening will be a stimulating experience.

Tickets are now available at the Union Office (282909); or Wollongong City Gallery (299111).

## DEPARTMENT OF BIOLOGY

On 19 October at 12.30 p.m. in Room 134 of the Metallurgy Building, Dr M. Edgley of the University of Wollongong Department of Biology, will speak on "Osmoregulation in Yeast".

## DEPARTMENT OF PSYCHOLOGY

On Tuesday 12 October at 11 a.m. Professor L. Brown, School of Psychology, University of New South Wales, will speak on 'Antidepressive behaviour' at Room 124, Social Sciences Building.

## Job Vacancies

Details on all the job vacancies below are contained on the Campus News Notice Board situated at the southern end of the Hut.

Murdoch	Temporary Lecturer in Economics Tutor in Animal Biology
James Cook	Lecturer in Clinical Psychology Librarian
United Nations	Development Programme - multiple vacancies
NH & MRC	Anthropometric Survey of Australian Children - Research Contract
Macquarie	Lecturer in Aboriginal History

## Advertisements

### SPRING SALE

The University Co-operative Bookshop's Spring Sale began 27 September, 1982. Loads of books for little cash.

### SALE BY TENDER

The University has the following vehicle for sale by tender:

Ford Falcon Station Sedan KXL824.

The University offers no guarantees on these vehicles.

Terms of sale are cash or bank cheque.

For inspection phone Mr E. Foster, ext. 960.

Tenders close 15 October, 1982.

Tenders should be forwarded in a sealed envelope marked "Tender No. 205" to the Supply Officer, Administration Building.

# Concerts, Exhibitions and Entertainment

## NEW GALLERY OPENS

The Graham Gallery at 135 Cordeaux Road, Kembla Heights, 2526 (telephone 715442) will be officially opened by the Lord Mayor at 11.00 a.m. on 17 October, 1982.

The opening exhibition will be a display of ceramics by Wollongong's Karl Preuhs which will run through to 13 November 1982. This will be followed by a Christmas Exhibition featuring work by Joan Meats, Karl Preuhs, Irene Amos and Gino Sanguinetti running from 14 November to 18 December 1982.

## EUROTAPESTRY EXHIBITION

Eurotapestry has great pleasure in inviting readers and friends to the opening of its 2nd Exhibition of Polish Hand-Woven Loom Tapestries-Wallhangings: Gobelins, Kilims, Kilim-Rugs and Sumaks, on Tuesday October 5, 6.30 p.m.

They will also present for the first time in Wollongong a collection of authentic Egyptian Children's Kilim Tapestries.

Polish Tapestries are recognized as among the finest in the world, designed by artists who supervise the hand-work of skilled weavers, using pure Australian and New Zealand wool, carded, spun and dyed by hand.

The weaving will be displayed at: Northern Lounge of the University Union Building, 1st floor, from Tuesday October 5 to Saturday October 16. Hours: 10 a.m. to 5 p.m. Monday - Friday; 1 p.m. to 5 p.m. Saturdays.

All exhibits are for sale.

## CHANGE IN VENUE FOR SYDNEY WIND QUINTET CONCERT - MUSICA VIVA

The Wollongong Musica Viva Society will present its final concert for the 1982 season at the Wollongong Art Gallery (cnr. Burelli and Keira Streets). This concert will be given by the Sydney Wind Quintet, on Wednesday, October 13, at 8.15 p.m.

Tickets: Adults \$8; Pensioners and Students \$4, available from Jurjens Music Shop, Wilson's Record Bar, or Wollongong Tourist Information Centre, and also at the Wollongong Art Gallery (on performance night). Enquiries: phone 297703.

Programme for the concert will include works by Haydn, Beethoven, Bozza and Ligeti.

Originally scheduled to be held at the Wollongong Town Hall, the Sydney Wind Quintet concert has been transferred to the Art Gallery following the many favourable comments received concerning the pleasant atmosphere (so important to the enjoyment of chamber music) of the Gallery, after the previous two Musica Viva concerts held there.

The Sydney Wind Quintet (Michael Scott - Flute, Josef Hanic - Oboe, Gabor Reeves - Clarinet, Gordon Skinner - Bassoon, Anthony Buddle - French Horn) is the Quintet-in-Residence at the N.S.W. State Conservatorium of

Music, where each member is a lecturer in his respective instrument. Before coming together as a quintet in August 1980, each member was known as a distinguished orchestral musician and solo artist. The Quintet has performed extensively with the A.B.C. and will tour interstate and overseas. The Quintet is also involved in educational performances.

The recently formed Sydney Wind Quintet is undertaking its first schedule of Musica Viva engagements this year (1982), including subscription appearances in Perth and Hobart.

## UNIVERSITY SINGERS SING FOR LOVE

On 19 October at 8 p.m. in the Union Hall, the University Singers will present a concert in aid of the American Students Appeal. The concert will be entitled "Love's Alchymie" and will consist of poetry and songs about guess what. Music by Monteverdi and Dowland and poetry by John Donne and others. Tickets at the door.

## Sport

### SPORTS ASSOCIATION DINNER & (BUSH) DANCE

Friday, October 15

Union Hall

Members: \$10 for a 3 course meal and drinks.

Featuring "Lizard Dust" and some energetic bush dancing.

Tickets available from Union Office.