



Education in Australia

Are we tracing the lines of a British blueprint?

A seminar entitled 'Thatcher's Britain and Educational Parallels in the Dawkins/Metherell Agenda' was held by the School of Learning Studies in The University of Wollongong in March. A review of the proceedings, by J. M. Jones, M. Wilson and W. Winser, painted a bleak picture of the secondary-schooling system in the UK.

The seminar concluded that the parallels in what was *fait accompli* in England and Wales and what was being implemented in Australia carried disturbing overtones.

A lightly edited version of the conclusion, written by Bill Winser, appears below.

In looking at changes in Higher Education in both Australia and the United Kingdom certain parallels become obvious. In May 1985 a green paper entitled 'The Development of Higher Education into the 1990's' was released in the UK. Points stressed in this paper were:

- the country is not competitive enough
- there is a need for more trained scientists, engineers and technologists

- changes were needed in the education system to increase the supply of students in mathematics and science

- standards in education needed to be raised

- higher education had to become more flexible

- links had to be forged with industry and commerce

- universities and colleges had to become more entrepreneurial

- the aim of government was to make universities more autonomous by reducing the amount of money paid to these institutions by government

- the school curriculum had to be made more practical and relevant to the everyday world so that young people would be encouraged to study Mathematics and Science post age 16.

The change in educational legislation in the school curriculum in the UK is the first major change since the 1944 Education Act. Much has been made of a National Curriculum with a core of Mathematics, English, Technology and Science.

Whether students will flock into Mathematics and Science as a result of changes to the curriculum, and after the application of rigid testing, is dubious. In the UK in 1987 there was much criticism in the press from educators claiming that rigid testing, would not produce the results the government thinks it wants. It assumes for instance that all children progress through life at exactly the same rate.

In 1987, the Council for Industry and Higher Education in the UK produced a booklet called 'Towards a Partnership-Higher Education - Government - Industry.' That document also called for greater flexibility in higher education but noted that any change should be directed towards Mathematics, Science and Technology. However

this group believes that schools should provide the basic grounding in language and number competence - the three R's in other words. This they said should be accomplished within a broadly based curriculum. Industry did not wish to interfere but was willing to contribute to academic decision making. Industry needed a voice in setting national education priorities and in decision making on the broad allocation of resources.

It is clear that the Australian government's policy on higher education parallels closely that of the UK. This is happening at both Federal and State levels—for example, the forced amalgamations about to take place in New South Wales.

Heritage Week—see p.3



Continues overleaf

General Notices

Meeting of the Board of Research and Postgraduate Studies, April 13

The main issues discussed at the meeting were:
Allocation of Higher Education Charge Scheme (HECS) Exemption Scholarships

The final allocation by category, as at March 31, is as follows:

- 1 Full-time Doctoral degree candidates, 76;
- 2 Full-time Honours Masters degree by research candidates, 26;
- 3 Teaching Fellows, 14;
- 4 Full-time Honours Masters degree by coursework candidates, 25;
- 5 Full-time Honours Bachelor degree candidates 49;
- 6 Full-time Pass Masters degree candidates, 32;
- 7 Part-time Doctoral degree candidates, 14.

This priority list for 1990 may be amended after comments are received from Faculties.

Australian Research Council Applications for 1990

Sixty-three applications were received for 1990 ARC funding. The total amount requested was \$3,617,673. The university now has the responsibility of administering ARC small grants (\$5,000-\$15,000 for humanities, mathematics and the social sciences, and \$5,000-\$25,000 for engineering and the natural sciences). Applications from staff in these categories will be considered at the Board meeting in June.

Awarding of Non-standard Examination Grades for Postgraduate Subjects

The Board issued a statement on the awarding of WA, WE, WM, WO and NC grades, which will be circulated to Heads of Units for clarification of the Board's procedures.

Minimum Enrolment in Postgraduate Studies

The Board noted that there are currently no established guidelines for minimum enrolment numbers in postgraduate subjects. A report will be referred to Faculties for comment.

Further details on any of the above subjects may be obtained from the Office of Research and Postgraduate Studies.

Denise Stevens
Office of Research and Postgraduate Studies.

Illawarra Committee for Overseas Students

The second event on the ICOS committee's calendar for 1989 will be a coach trip to the Blue Mountains and Jenolan caves on Saturday May 13.

Details are available from Mrs Wendy Jabri at the ICOS desk in the Administration Building on Tuesday, Thursday and Friday from 9 am to 2 pm. (tel. 27 0216 or internally, 3216).

AIM Scholarships and Prize Winners

The Illawarra Branch of AIM offers a scholarship and three prizes every year to students studying management courses at the University of Wollongong.

The scholarship/prizes are valued between \$200 and \$500 and are usually used to assist students in purchasing text books or to pay university fees. A high standard is set for awarding these prizes and if no student has reached a sufficiently high academic standard, no award is made. Awards are made on the recommendation of the chairperson of the relevant academic department of the University.

1988 Scholarship in Management Studies was awarded to Melissa Herd;

1988 Master of Management Prize to Mike Salon;

1988 Diploma in Management Prize to Caroline Vaughan-Reid; and

1988 Prize in Management Studies to Alison Wall.

Education in Australia—a divisive path? from page 1

Accepting that changes are occurring on a world-wide basis it is not unreasonable to expect education institutions to change—they should indeed be the vanguard of change. But universities and polytechnics in the UK (excluding Oxford and Cambridge) and Australian universities and Colleges of Advanced Education have never been autonomous or free of government intervention. Because of increasing costs, the governments of both countries want a shift from control to industry. But will this at they claim necessarily make universities more autonomous?

At school level both the UK and Australia want to increase their retention rates. At least 50 per cent of children in the UK do not get one "O" level subject (leaving-certificate level in New South Wales). In Australia the Federal minister indicated that retention rates needed to be increased. Now we have over 50 per cent of students remaining until the completion of Higher School Certificate.

But what does this mean if many of those students do not fit in to the prescribed narrowing core curriculum at the very time cut-backs to funding are imposed? As Karmel has pointed out, you can't expand secondary

education while at the same time cutting educational funding. There is little point in holding children in school if there is not a curriculum to suit their needs. However, the evidence thus far points to a narrowing of the curriculum and this, together with a limited or tightening monetary policy, need not necessarily produce more places in science and technology.

The parallels in the educational systems of the two countries seem to be clear. It is obvious that some Australian cabinet ministers have applied similar thinking to our systems. The trend toward testing, the mooted national core curriculum, particularly with regard to increasing vocationalism, are disturbing similarities.

The possibility of a diminishing of the state systems, already to be seen in the trend toward private schooling in Australia, is a serious issue that we believe needs to be addressed by those who value a genuinely comprehensive provision of education for all, regardless of their social or economic circumstances.

The divided country that is apparent to any visitor to Britain seems to be too high a price for us to pay in Australia.



Aboriginal musician Johnny Marshall teaches school children how it is done with the didgeridoo



Mark Saunders (also on page 1) demonstrates an Aboriginal tribal dance

Professor Stephen Castles held a lunchtime seminar on 'Education and Job Opportunities—an Ethnic Perspective'

HERITAGE WEEK

CAMEOS



Pupils from Holy Spirit College, Bellambi, are inculcated into the art of the boomerang by Laddie Timberey



Versatility plus—Johnny Marshall on, simultaneously, didgeridoo and guitar

Cops and Sociologists

Nobody was more surprised to be working with the local police than Sociology lecturer Mike Donaldson. He says that concern with the spread of a generalised fear among people had prompted his involvement. 'The facts on street violence are usually disregarded by sensationalist media, with the result that people are becoming afraid to go out at night or travel on public transport. Women and the elderly in particular are consequently developing a self-imposed curfew. Public spaces are vacated, then the hoods do take over'.

When Chief Inspector Bev Lawson of Wollongong Police station approached him for technical assistance, Mr Donaldson thought it would be a good chance to do something positive about the problem. Inspector Lawson wanted to survey the community to see what people want from the police, hoping to adjust police services to meet their needs.

Working with Inspector Lawson Mr Donaldson developed a questionnaire which asked people to specify areas to which they would like the police to pay more

attention; what style of policing they would like in their neighbourhood; and what they thought of Wollongong policing as it is currently practised.

The *Wollongong-Shellharbour Advertiser* published the questionnaire without charge as a community service. Mr Donaldson said that he was particularly pleased that the *Advertiser* had agreed to do this since it was a free paper which went into 79,000 homes in Wollongong and Shellharbour. Only one day after the survey appeared, over 100 questionnaires had been returned.

The results of the survey will give police an opportunity to change strategies as the need arises.

Chief Inspector Lawson said that the direction of policing in NSW had now been localised in terms of providing a service to meet the needs of individual communities. She said that 'community-based policing was matter of utilising resources within the community and to get those resources involved with policing'.

Mike Donaldson agrees. 'The great thing about working on this project has been that even with the Dawkinsisation of universities, it's still possible to do socially useful work to benefit the tax payers who after all, pay for the universities.'

University Day—next Monday

University Day, known previously as Anniversary Day, commemorates the establishment of the University as a College of the University of New South Wales in 1961. In formal terms, Wollongong University College was constituted by resolution of the Council of the University of New South Wales on 8 May 1961, making our University some 27 years old.

As in previous years, a highlight will be a public address by a notable speaker on a topic of current concern. This year the speaker is Mr Michael T. Somare CH, MP, Minister for Foreign Affairs for Papua New Guinea. The title of his lecture will be Education and the Papua New Guinea Relationship.

In order to make the Anniversary Day a truly campus-wide celebration involving all students and staff, a range of other events is also being organised. These include a lunch-time performance by the well-known band, The All-Nighters; an open-air theatre performance by Creative Arts students; staff-student tennis and volleyball competitions; a day-long exhibition of Melanesian Art in the Long Gallery, and lunchtime displays of Tai Chi, and Kendo, and other activities, by groups from the Sports Association. The annual Summit Run to Mt Keira will also be held during the day.

In the evening the public lecture (Music Auditorium) will be preceded by the 25-year Staff Awards and the presentation of the annual Ethel Hayton Trophy to an academic staff member who has made a notable contribution to community activity. Musical interludes will be provided by music students directed by David Vance. The address will be followed by a wine-and-cheese supper.

Program

Daytime

9.30 am – 6 pm: Melanesian Exhibition 'Art and War' – Long Gallery, Creative Arts.

Noon – 12.30 pm: Tai Chi, Kendo and Aerobics displays – Central Lawn.

12.30 – 1.30 pm: Band Performances (All-Nighters) – Central Lawn.

12.30 – 1.30 pm: Staff/Student Volleyball and Tennis Competitions – Vice-Chancellor's Lawn and Tennis Courts.

12.30 pm: Summit Run – Starting point western entrance on Northfields Avenue.

1 – 1.30 pm: String Orchestra Performance (Creative Arts) – Forum (outside Administration).

Evening

Starts 6 pm in Music Auditorium with musical interludes by students directed by David Vance. Ethel Hayton Award. 25-year Staff Award. Presentation of a contribution to the Ethel Hayton Memorial Scholarship by the Zonta Club of Wollongong. Public Lecture by the Right Hon Michael T. Somare CH MP Minister for Foreign Affairs for Papua New Guinea entitled 'Education and the Papua New Guinea Relationship'.

7 pm, in Long Gallery, wine and cheese supper. Space display of historical photographs.

Sir George Murray Award Competition

Win \$1000: the Sir George Murray Medal; registration at the 1989 National Conference in Canberra, accommodation in Canberra to attend the Conference; and be presented with your prizes at the Conference ...

The Sir George Murray Award Competition provides an opportunity to research and write on the changes occurring in public administration in Australia, under one of these themes:

- Marketing and the Public Service
- Entrepreneurship in the Public Service
- Commonwealth/State Relations
- Commercialisation
- Local Government – Financing and the Devolution of Programs to Local Government

The winning entry will also be published in either the *Australian Journal of Public Administration* or the *Australian Administration Magazine*.

Anyone may compete.

For more information about the competition, write to The Secretary, Royal Australian Institute of Public Administration (SA Division), GPO Box 13, Adelaide, SA 5001, or telephone Elizabeth Warhurst (08) 226 2828.

Entries to be received no later than Friday August 25.

Landmark in the Intellectual Life of our University

'Some of the most useful words have such a vague meaning that they allow thought to wander freely, to roam, so to speak, and thus have chance encounters with the other fragments of information. The ambiguity of language might thus be a consequence of the diversity of information that humans can recognise, register and assimilate, as well as a source of adaptability and creativity'.

Rene Dubos, *Beast or Angel* (Charles Scribner's Sons) p36.

I refer to the arrival in our library of the second edition of the OED—the *Oxford English Dictionary*—all 20 volumes of 21,728 pages, defining about half a million words, with illustrations from about 2.4 million quotations. There have been of course many articles in the literary press that have celebrated the release of this great tome, but scientists please note Stephen Jay Gould's article, 'A way with words,' p385, v338, in *Nature* (March 89).

If you do nothing else at least look up some of the words associated with your discipline. To paraphrase Gould: may you consult it for a definition and emerge with an adventure.

A chemist will find that what he thought to be a modern expression 'body chemistry' in fact preceded by a half a century the origin of the modern definition of 'chemistry' (which of course comes out of the mists of alchemy).

A physicist will find that his word origins are even older and that originally 'physics' encompassed all of nature.

The establishment biologist will of course become uneasy when he finds out that the heretic Lamarck introduced the word 'biology'.

'Scientist' is a relative newcomer (1834) being accepted because the ending already occurred in other words such as atheist: this saved us from the sexist 'scientman'.

Mathematicians should be particularly proud to see that their word origins come from the Greek words for learning and mental discipline—from which we get polymath and one of my favourite words 'philomath' (a lover of learning).

Philosophers however should be saddened that their word, which originally meant love of wisdom, has drifted away from this quest to such an extent that the word 'sophistry' has been turned upside down and now means 'a specious fallacy'.

But search as you will through these 20 volumes and you will not find an English word for 'the sense of blessedness that comes from an object after years of loving use' (the Elizabethan use of 'virtue' was the nearest equivalent followed by the modern use of the Scots word 'foisson'). However, such a word does exist in Arabic and Robert Graves thought so highly of this word 'Baraka' that he devoted an entire Oxford address to it. 'Baraka' represents the very antithesis of the doctrine of the throw-away society (which as neoterists we might encompass with the word 'Akarab').

How wonderful it would be for our children if 'Baraka' were taken into the English language and listed in the third edition of the OED.

Keith Tognetti
Mathematics

Next week's Graduation Ceremonies

Some 1,200 students will graduate at the four graduation ceremonies will be held from Wednesday May 10 to May 12 in the Sports Hall, Recreation and Sports Association building. Details are:

Wednesday May 10 – 2.30 pm

Commerce: All Commerce and Management degrees and diplomas, including AssocDipAdmin, AssocDipCompApp, and GradDipEd Stud (School Admin).

Mathematical Sciences: All Mathematics and Computing Science degrees and diplomas.

Speaker: Mr Gerry Freed, BLE Capital Limited, Fellow of the University.

Thursday May 11 – 9.45 am

Arts: All Arts and Creative Arts degrees and diplomas.

Speaker: Dr Marion Adams, Dean, Faculty of Arts and Head of Germanic Studies, The University of Melbourne.

Thursday May 11 – 2.30 pm

Education: BEd (external conversion courses only)

Science: Science, Human Movement and Nursing.

Speaker: Mr P. Songo, High Commissioner, Papua New Guinea High Commission in Australia.

Friday May 12 – 9.45 am

Education: BEd (excluding external conversion courses), all other Education degrees and diplomas.

Engineering: All Engineering degrees and diplomas.

Speaker: Professor P. LeP Darvall, Dean, Faculty of Engineering, Monash University.

N.B. As always on Graduation Days, parking on campus will be restricted.

Accommodation required for Japanese Teachers of English July 23 to August 11

Homestay accommodation is sought for a group of Japanese teachers of English from the Tokyo district.

They will be attending a Winter School on Australian Studies at The University of Wollongong from July 23 to August 11.

Breakfast and evening meal need to be provided. University staff are being sought who can provide this service.

Remuneration is \$100 per week in advance for the three-week period.

The cross-cultural exchange which this arrangement will provide will be of great importance to the success of the Winter Schools.

Anyone interested in taking part in the program or requiring further information should contact Graham Frost at Uniadvice on 3076.

Friends of the University

What's on

May 8

University Day Address and presentation of Ethel Hayton Trophy to individual or group having done most to foster university--community relations.

May 10, 11, 12

University Graduation days.

Research Funds

The sources of research funds given below are available to members of academic staff. Further information including application forms may be obtained from Kim Roser (ext 3201). Intending applicants are reminded that all research applications must be forwarded through the Office of Research and Postgraduate Studies.

National Heart Foundation Grants-in-Aid for Educational Research

The National Heart Foundation invites applications for Grants-in-Aid to support Educational Research related to cardiovascular disease.

Applications close with the University on May 17.

Australian Academy of Science Exchange Program with the UK

The Australian Academy of Science and the Australian Academy of Technological Sciences and Engineering operate an exchange program with the Royal Society.

Scientists and technologists who are Australian residents and who are of at least postdoctoral or comparable status may apply now to participate in the 1990 program. Applicants should propose a collaborative research project which has been developed in consideration with an appropriate host scientist in the United Kingdom. Successful applicants will receive a grant-in-aid contributing to airfares, living and travel expenses within the United Kingdom.

Applications close with the University June 17.

Academy of Science and Japan-Australia Foundation Program

The Australian Academy of Sciences and Australia-Japan foundation have invited proposals by scientists in the fields of physical sciences, biological sciences or engineering for visits to Japan for collaborative research, a fact-finding mission or a specific activity to be carried out in Japan. Applicants should have established contacts in Japan and will be required to submit letters of invitation with their application.

Applications close with the University on September 17.

Japan Society for the Promotion of Science Exchange Program

The Australian Academy of Science invites applications from scientists resident in Australia who wish to participate in an exchange program (for short-term visits or postdoctoral fellowships) with the Japan Society for the Promotion of Science. Proposals in any field of natural science will be considered.

Applications close with the University on September 19.

Australian Academy of Science Exchange Program

The Australian Academy of Science supports a scientific exchange program with the People's Republic of China. Scientists resident in Australia are invited to participate in the program in the 1990/91 financial year. Proposals must focus on visits to Academia Sinica Institutes and should propose a scientific program in any field of natural science

which has been developed in consultation with scientists in the institutes they wish to visit.

Applications close with the University on November 17.

National Multiple Sclerosis Society of Australia Research Grants and Fellowships

The National Multiple Sclerosis Society invites applications for Project grants for approved clinical, laboratory-based, epidemiological or rehabilitative studies; Training Fellowships and Grants for Equipment.

Applications close with the University on May 17.

Worksafe Australia Research Awards

The National Occupational Health and Safety Commission invites applications for support for research to investigate their priority areas of Occupational Skin Disorders and Occupational Cancer.

Applications close with the University May 19.

Australian Academy of The Humanities Travel Grants

Three (\$A1000) grants-in-aid are being offered for short-term study abroad during 1989-90 to scholars resident in Australia and engaged in teaching and research in the field of Humanities.

Limited funds are also available in 1989 to assist publication of scholarly work.

Applications close with the University on June 16.

Applications for Ship Time on 'R.V. Franklin'

The *R.V. Franklin* is a 55-metre oceanographic vessel operated as a national facility for the conduct of physical, chemical and biological oceanography. Proposals are invited from individuals and research teams for projects to be included in the cruise schedule for 1991.

Closing date with the University is June 16.

Scholarships, Fellowships and Prizes

UNESCO Science Prize

Nominations are invited for the UNESCO Science Prize awarded for an outstanding contribution to the development of a developing Member State or region especially in the fields of scientific and technological research and education, or in the fields of engineering and industrial development. The prize will take the form of an honorarium of US\$15,000 together with an appropriate plaque.

Applications close with the University on May 2.

Association of Commonwealth Universities Awards publications

A copy of the Scholarship Guide for Commonwealth Postgraduate Students and a copy of Grants for Study Visits by University Administrators is now available for interested people to read in the Office of Research and Postgraduate Studies. The Scholarship Guide offers information on scholarships, grants, loans and assistantships open to graduates of Commonwealth universities who wish to undertake postgraduate (including postdoctoral) study or research at a Commonwealth university outside their own country. The booklet *Grants for Study Visits* contains information about

sources of money that could be used for study visits abroad.

Call at the Office of Research and Postgraduate if you would like information on the above publications.

Selby Fellowships

The Australian Academy of Science invites applications for fellowships available for distinguished overseas scientists to visit Australia for public lecture/seminar tours and to visit scientific centres in Australia.

Fellowships are tenable for visits of not less than two weeks and not more than three months.

Applications close with the University June 16.

National Multiple Sclerosis Society of Australia Scholarships

The National Multiple Sclerosis Society invites applications for Scholarships for training in research relevant to multiple sclerosis. Applicants must enrol or be enrolled for a higher degree.

Applications close with the University on August 17.

Conferences

Boden Research Conferences

The Australian Academy of Science invites proposals for The Boden Research Conferences held in Thredbo in the first week of February each year. The Boden Conferences are small specialist research conferences in the biological sciences with a membership of 20-30, and of two days duration.

Applications close with the University on June 17.

Elizabeth and Frederick White Research Conferences

The Academy of Science has established a series of research conferences in the physical and mathematical sciences related to the solid earth, the terrestrial oceans, the earth's atmosphere, solar-terrestrial science, space sciences and astronomy. Participation of overseas scientists are encouraged. A sum of up to \$5000 for each conference is allocated and supplementation from other sources is encouraged.

Proposals for 1990 close with the University on June 18.

Previously noted in Campus News

	<i>Internal Closing Date</i>
National Heart Foundation Grants	May 17
National Multiple Sclerosis Grants	May 17
National Occupational Health and Safety Research Awards (Worksafe)	May 19
Clive and Vera Ramaciotti Foundation Grants	June 16
R V Franklin Ship Time	June 16
Selby Fellowships	June 16
Academy of Humanities Travel Grants	June 16
Rikkyo Fellowships	June 16
Boden Research Conferences	June 17
White Research Conferences	June 19
Matsumae Fellowship	August 17
AINSE Fellowships	August 17
National Multiple Sclerosis Scholarships	August 17
AFUW (Qld) Fellowships	September 16
Health and Community Services Research Grants	Any time

EEO news...

Top education jobs to Victorian women

The Victorian Government is aiming to increase the number of women holding senior administrative posts. Joan Kirner, the Victorian Education Minister, has announced that the government wants women to hold at least 25 per cent of senior management positions by 1990.

The Victorian Government also plans to increase the job and promotion chances of women teachers, and to increase to 30 per cent the number of computer jobs held by women. At present 17 per cent of computer officers are female, and 14 per cent of senior executive jobs are held by women.

The announcement follows the release of figures that show that while 69 per cent of the 2,341 Victorian public servants working in education were women, most of them worked in base-level and lower-paid jobs.

The EEO unit has just completed its 1988 Annual Report on our EEO Management Plan for the Office of the Director of Equal Opportunity in Public Employment. The report is now being circulated for comment and will go to the Senate Standing Committee at its May 3 meeting. All comments and suggestions will be gratefully received.

Peg MacLeod
EEO Co-ordinator

Staff Development Courses

May 9: Superannuation Information

A representative from the State Superannuation Board will run two sessions on the morning, one for those who are contemplating joining a fund and would like to explore the options offered (9 to 10 am) and a second for those thinking they may like to work beyond the age of 60 (10.30 to noon).

May 24-25: Selection Techniques - General Staff

A workshop to assist members of staff who may be required to sit on selection committees to become aware of their legislative responsibilities and the procedures adopted by the University in the selection process. Learn how to utilise position descriptions, establish selection criteria, short-list applications on the basis of chosen criteria, identify EEO concerns in the selection process and observe your own interview style on video!

June 8: University Finances - Academic Staff

A workshop presented by the finance section on how the University's Financial system works. Designed to answer any questions that may be baffling you in this area. Inquiries: Shirley Jorgensen, ext 3946.

Nadia Kokot in Concert

Concert pianist, member of the Friends of the University, Nadia Kokot, is to give another concert this year after a 12-month break.

The concert will be held in the Performing Arts Centre on Friday May 12 at 8 pm.

Admission price is \$12 (\$8 concession).

For telephone bookings the number is (042) 26 3366.

Seminars

School of Learning Studies – Revised Dates

All sessions are on Wednesdays at 12.30 pm in Room 21.104. Coffee and tea provided

Date: May 17

Topic: *Solidarity, Power and Intimacy in Physical Education Lessons.*

Speaker: Ms Jan Wright.

Date: May 24

Topic: *Telling Lives or Lively Telling? Biography and History of Education.*

Speaker: Dr Noeline Kyle.

Date: May 30

Topic: *Some Curriculum Issues in the New Syllabus Document 'Contemporary English' and 'Writing K-12'.*

Panel: Dr Ted Booth, A/Prof Brian Cambourne, Dr Anne Cranny-Francis.

Inquiries to Bill Winser, ext 3963.

Department of Chemistry

Date and Time: Friday May 5, 11.30 am

Venue: Room 18.206

Speaker: Dr Grant Collins, Department of Chemistry, Australian Defence Force Academy, Canberra.

Topic: *¹⁹F NMR Studies of drug/DNA interactions.*

Department of Electrical and Computer Engineering

Date and Time: Monday May 8, 12.30-1.30 pm

Venue: 35G45

Speaker: Mr M. Liu

Topic: *Robust Adaptive Decentralised Control for Robotic Manipulators.*

Department of Computing Science

Date and Time: Friday May 5, 1.30 pm

Venue: Room 15.206A

Speaker: Peter Gray, Professional Officer, Department of Computing Science

Topic: "X Window"

Department of Economics

All seminars held in Room 19.2081a.

Date and time: Tuesday May 2, 12.30 pm.

Speaker: Professor J. Moorhouse, Wake Forest University, North Carolina.

Topic: *Demand for legal services and the theory of settlement.*

Date and time: Wednesday May 3, 12.30 pm.

Speaker: Professor Roy Adams, McMaster University, Ontario.

Topic: *Trends in North American Industrial Relations.*

Date and time: Monday May 8, 3.30 pm.

Speaker: J. Halevi, University of Sydney.

Topic: *Marxian and Kaleckian Theories of Wages.*

For further information contact Dennis O'Brien, Room 19.2076, ext 3654.

Department of Civil and Mining Engineering Research Series – Session 1

Venue for the seminars will be Room 138 Building 4, Photogrammetry Laboratory. Morning tea will begin half an hour before each session. All postgraduate students of

the Department are expected to attend; all others are welcome.

Date and time: May 5, 11.30 to 12.30 pm.

Speaker: Professor A. Hargraves.

Topic: *Gas Dynamic Phenomena in Underground Mines.*

Date and time: May 12, 12.30 to 1.30 pm.

Speaker: Dr V.U. Nguyen.

Topic: *Updating Expert Knowledge.*

Biology Seminars Session 1

Biology Department, Building 35 G19, 12.30 pm.

Tuesday May 9 – Dr John Andrews, Research School of Biological Science, ANU, *Subunit interaction and mechanism of Rubisco.*

Tuesday May 16 – Dr Steve Handell, Rutgers University (visiting the School of Biological Science, Macquarie University), *Plant population structure and pollination dynamics.*

Concerts, Exhibitions and Entertainment

Mother Courage

Brecht wrote "Mother Courage" in 1936-38 as a warning to his countrymen of the consequences of the path Hitler was taking. He wrote it in an exile that continued from Scandinavia to America and lasted until after the war. When he produced the play in 1949, he believed its message was still relevant - that war brings not only suffering but also the inability to learn from it. No doubt he would still believe so today.

However, the play is not primarily about war - it is about business and people. It shows us that war is the conduct of business by other means, that war makes human virtues fatal even to the virtuous, that the big deals in war are not made by little people. And the play is surprisingly comic. It reflects a dry, gloomily humorous approach to great events. *Mother Courage* expresses and iconoclastic, sceptical view of the world, not unlike the Australian sense of humour.

In the key role of Mother Courage herself, Theatre South's Associate Director, Faye Montgomery, faces the greatest challenge of her career. Since returning to Australia in 1980 and co-founding Theatre South, Faye has performed exclusively for this company in roles such as Frances in "Travelling North" (1981); Amanda in "The Glass Menagerie:"

Other members of the cast include Andrew James, Charles Hambling, Lisa Scott-Murphy, Jeff Kevin, Michael Coe and Frank Gallagher. The production is designed by John Senczuk, lighting design by Ian McGrath and directed by Des Davis.

Mother Courage is a co-production with the School of Creative Arts of the University of Wollongong.

The play opens on May 5 and will run to May 20. Bookings from Theatre South, Tel. 29 6044.

FOR SALE

Macintosh 512 Computer, Macwrite, and Macpaint software, \$1250 phone ext 3629 or 67 3705.

ACCOMMODATION WANTED

Responsible couple requires accommodation for up to six months. References available. Willing to mind pets. Contact Alison or leave a message on 84 0521 or ext 3440.