THE UNIVERSITY OF WOLLONGONG
CAMPUS NEWS

Distributed each Tuesday

Deadline for copy noon Monday of previous week

Editor: George Wilson, Tel. (042) 270391

15 September 1987

NEW ERA FOR POLITICS AT UNIVERSITY OF WOLLONGONG

Above: Dr Damasco Marengo, was first chairman of the Board of Political Studies

Left: Professor Ted Wolfers, appointed to the Chair of Politics. Professor Wolfers comes to Wollongong from Macquarie University

A new era will soon begin for Politics at Wollongong with the arrival of Professor Ted Wolfers. Professor Wolfers was appointed in February of this year following a decision by Council to have Politics housed in the Department of History, renamed Department of History and Politics, and to create a Chair of Politics.

Politics began to be taught in Wollongong in 1984. Before that Politics had been for years an area of interest shared by several people from various disciplines. One more attempt by a group of these people to have this area clearly signposted has eventually succeeded.

Harry Beran from Philosophy, Jim Falk from STS, Andrew Jakubowicz from Sociology, Ray Markey from Economics, and Damasco Marengo from History, and incidentally the first chairman of the Board of Political Studies, were led to join forces by the belief that in Australia, as elsewhere, there is a growing need for people specifically trained to cope with the problems associated with the expanding functions of government and increasing publicisation of private life. They expected students quickly to take advantage of the offer of a three year major sequence of Politics subjects.

Beran, Falk, Jakubowicz, Markey, and Marengo, and those others who followed them (particularly Richard Badham from STS, Ariel Salleh from Sociology and Andrew Wells from History) did not find it too hard to identify, within existing constraints, the basic ingredients of a Politics curriculum. The curriculum had to be Australian-centred but avoid the risk of parochialism: thus, while the emphasis is on Australia, Australian Politics is studied in a comparative perspective and within the appropriate international context.

Far more difficult proved to be the question of the disciplinary unity of the Program. Should Politics be taught as a unified discipline? or should it rhetorically reflect the passions and divisions of the real world? Professor Henry Mayer was enlisted in the early stage to help solve this fundamental methodological issue. However no ready agreement was to be found.

Perhaps the uneasiness originating from the disciplinary uncertainty has been felt by the students too and expressed through their reaction to the program. While the first year intake has trebled in four years, the number of first year students who continue into second year has remained surprisingly the same. The appointment of the new Professor who ***ipso facto*** will become the custodian of the disciplinary integrity of the program is expected to settle a great deal of this unease.

The task ahead of Professor Wolfers and all those interested in co-operating with him will be to identify areas where the new program should reach out. Having regard to Australia's present-day's predicaments, one would be tempted to suggest that priority should be given the study of Australia's international position, particularly in the regional environment. Australia can no longer hope to defend such position on the basis of a remote and superficial knowledge of her neighbours and trade partners. Under this respect it is reassuring to know that 'the Pacific' is Professor Wolfers' area of professional competence.

With regard to Australia's internal situation, it is obvious that the role played by ideology has been steadily declining over the years. The stability and prosperity of Australia today seems to hang on the ability by Australians to cope with the problems arising in the two following areas.

On the one hand, the Australian citizen can no longer afford his traditional passive role in a political environment that is increasingly dominated by corporate interests; he must acquire the skills to participate effectively in the governmental process. Teaching such skills is precisely the task of political science.

On the other hand, the entrenched multi-ethnic nature of a society which everyday grows economically more equal is likely to highlight the role of culture and, specifically, political culture, in promoting social integration. Here at Wollongong Professor Wolfers is likely to find people and units with strong interests in these areas

F.D. Marengo

General Notices

1987 OCTOBER GRADUATION CEREMONY

There will be two graduation ceremonies during October in the Union Hall. Details are:

2.30 pm Thursday October 8

All degrees and diplomas in
Arts, including Creative Arts and Master of Studies degrees in Arts Departments.
Commerce, including Management, Occupational Health and Safety, School Administration.
Mathematical Sciences, including Computer Science.

Occasional Address to be given by Mr F. Hilmer, Managing Director, McKinsey and Co. Inc. and member of CTEC.

10.30 am Friday October 9

All degrees and diplomas in
Education, not including School Administration
Engineering, including Metallurgy and BMath/BEng.
Science.

Guest speaker to be confirmed.

Information about graduands:

Academic staff can sometimes be of assistance in the University's public relations activities in relation to Graduation by supplying information which can be used in our own publications or in press releases. If you are aware of details which may be useful (e.g. two members of the same family graduating; graduands who are well known in other fields; or academic details of special interest) please contact Gillian Curtis on extension 3926.

Parking restrictions:

Staff are advised that parking restrictions will apply within the Union car park and the Administration car park on graduation days.

P.G. Wood
Assistant Secretary
Academic Services

STRATEGIC POLITICAL AND ECONOMIC ISSUES FOR MANAGEMENT

The Centre for Continuing Professional Education at The University of Wollongong will be offering a lecture/seminar on Strategic Political and Economic Issues for Management at the University on Monday October 19 from 2 pm to 4 pm.

The speaker will be Alan Carroll, who is based in Melbourne and is the Managing Partner of Business International Australia – a globally linked consulting research and publishing organisation dealing with the majority of the world's largest multinational companies. He is also chairman and co-founder of Australian Ratings, the major corporate credit-rating agency in this country.

Mr Carroll has developed a number of other significant business interests in recent years and in August 1986 was voted the inaugural award of the American Chamber of Commerce as their Victorian Businessman of the Year in a poll which included many of Australia's leading and perhaps better-known commercial figures. Alan is, however, best known for and has developed an international reputation in external political and economic environments and their implications for corporate strategic planning.

The Japanese correspondent for ***The Australian*** wrote in November 1986 of a speech Alan had given in Tokyo: 'His bold projections utterly upstaged the 'official' two-country annual review, the Australian-Japan Businessmen's Co-operation Conference, which closed in Osaka on November 1. Like a prophet unrecognised in his own country, the Perth-born, US-educated analyst is well regarded in Tokyo. In February last year, he correctly forecast that the US dollar would fall to 150 yen, oil would drop below US$15 and the Marcos regime would fall in the Philippines.'

As indicated, Mr Carrol originates from Perth, Western Australia, but graduated in 1966 from Georgetown University, Washington DC, where he attended the School of Foreign Service studying International Economics and Government. He is also a 1974 alumnus of the Program for Management Development at the Harvard Graduate School of Business Administration.

He is currently chairman and co-founder of three successful and relatively new companies: Australian Business Marketing P/L, publishers of the Melbourne Business Information Guide; Bicam International, an exectuve remuneration consultancy; and Digital Imaging Australia, a video technology firm dealing with most of the country's major television and animatic production houses. He is also a member of the Board of Management Committee of Ogilvy and Mather, a Board Director of MacDonalds, and a Senior Associate at the Melbourne University School of Business Administration.

AUSTRALIAN INSTITUTE OF MANAGEMENT MONTHLY MEETING

Members are invited to attend a tour of the newly opened Illawarra Technology Centre on the campus of The University of Wollongong.

Date: Wednesday September 16.

Time: 3.30 pm – 6 pm

Place: Illawarra Technology Centre, The University of Wollongong, Northfields Avenue, Wollongong.

Parking: Use entrance at roundabout and advise the Security Officer who will direct you to car park either north or south of the Technology Centre. Entre building from north side.

Itinerary for the visit

3.30 pm	Assemble in ITC Conference Room.
4 pm	Address by John Anderson - Managing Director - The Illawarra Technology Centre Limited.
4.30 pm	Demonstration by the Automation and Engineering Applications Centre Ltd. Speaker: Chris Cook - Managing Director.
5 pm	Demonstration by National Engineering Information Services Pty Ltd. Speaker: Dick Schneller - Managing Director.
5.30 pm	Demonstration by Controllex Systems Pty Ltd. Speaker: Don Peterson - Managing Director.
5.45 pm	Address by the Centre for Technology and Social Change. Speaker: Don Scott-Kemmis - Program Director.

CENTRE FOR CONTINUING PROFESSIONAL EDUCATION – A DIVISION OF UNIADVICE

The amalgamation of the Centre for Continuing Professional Education with Uniadvice will enable departments within the University to obtain professional assistance in conducting short courses, seminars, workshops and conferences within the Illawarra, NSW, Australia and overseas. The centre will work with faculties, departments, sections or individual staff members in organising, promoting and administering programs, thus allowing the departments to concentrate on the expertise they have in delivering their subject matter.

The Centre will help in underwriting course development, promotion and administrative costs; in preparing course or conference budgets; in the design of promotion

Research and entrepreneurship: skills for the 1990s workshop series for Wollongong University researchers

Australian universities are evolving in new directions. Funding and organisation of research are expected to be radically different in the 1990s. Inevitable changes will present new threats — but also provide major opportunities. How can we best respond to these important developments?

A series of eight workshops has been organised to discuss the changes in the wind and how a response can be planned to meet the challenges ahead. Each week a panel of speakers from industry and government and from Wollongong and other universities, will address a topic and initiate discussion on the issues raised.

The series will be introduced by the Vice-Chancellor, Professor Ken McKinnon, who will look at universities' performance in a talk entitled Are Universities Doing Their Job?

The workshops have been organised by the Centre for Technology and Social Change (TASC) at the request of the Deputy Vice-Chancellor (Research) Professor Ian Chubb.

Four main topics will be discussed:

- change in Commonwealth Government funding of university research and its implications;
- change in innovative activity in Australian industry and its implications for universities;
- new opportunities for research support and how to take advantage of them;
- entrepreneurship in universities — establishing new organisations, firms, products and services.

The workshops will be held in the Conference Room, Illawarra Technology Centre, each Wednesday from 5.30 to 7.30 from September 23 to November 11.

The seven workshops in the series will be:

Septembr 23: Changes in University Research Funding.
Septembeer 30: University Interaction with Industry.
October 7: Interaction with Government and Community Organisations.
October 14: The Australian Research Council.
October 21: Universities, Research and Entrepreneurs.
October 28: New Opportunities from Commonwealth Industrial R&D Incentive Programs.
November 4: Strategies for Funding your Research.
November 11: Intellectual Property Issues.

This series addresses vital and unavoidable issues. Register by completing the form below and posting it to 'Research and Entrepreneurship', TASC, ITC. Unfortunately numbers will be limited.

Research and Entrepreneurship: Skills for the 1990s

Name . . . . . .

Department . . . . . .

Please register my name for the series ☐ (tick box)

Please send me further information about the series ☐

materials; in handling enrolments, course payments, arranging venues and accommodation.

For further information telephone (042) 270531, Extension Officer.

NEW ADMISSIONS POLICY

The University's new admissions policy was announced in ***Campus News*** for August 11 last. The reaction to it was so encouraging — it was reported — and commented upon — in three national and three regional newspapers — that we have decided to repeat it here fore the benefit of those who might have missed it.

The University of Wollongong has announced a new admissions package for 1988 which includes increases in minimum entry levels and attractive incentives for good-quality students.

In a recent letter to schools, principals and careers advisers were notified of the following changes.

Student enrolments at the University have increased dramatically in recent years from 3,000 in 1981 to over 8,000 this year. Fifty-four per cent of the 1987 intake came from the Sydney area. Entry levels for universities and colleges are usually set in January when the Higher School Certificate results have been determined. The rapid growth and increased popularity of The University of Wollongong would have inevitably resulted in raised entry levels. It was decided to set these levels and announce them early to give students the opportunity to make realistic decisions for next year and facilitate orderly planning. Minimum entry levels will range from 269 to 320 based on the Seneta Scaled Aggregate.

Guaranteed entry for some students

To assist students to play their future programs of study with greater certainty, applicants with an aggregate of at least 340 and the necessary prerequisites will be guaranteed admission to Applied Science, Commerce and Education (Physical and Health). Guaranteed entry to all other courses will require an aggregate of at least 300. Priority for admission below the guaranteed entry level, if places are available, will be given to the best-qualified applicants in descending order of aggregate until the quota for each course is filled or until the minimum entry level is reached.

Scholarships for meritorious students

Apart from ten undergraduate scholarships of $1,100 each currently available on merit to applicants on their first-year enrolment, the University is offering six further scholarships to meritorious students. These scholarships are to be determined on the basis of the trial Higher School Certificate examination and offer generous benefits for

continued overleaf

HONOURS YEAR SCHOLARSHIPS 1988 ACADEMIC YEAR

The University has established a number of scholarships, valued at $3,000, to encourage students at this University or from elsewhere to undertake an end-on honours year program at Wollongong University.

The scholarships are available for study in any field and will be awarded on the basis of merit as evidenced by performance in an undergraduate degree.

Application forms are available from the Enquiries Counter of the Administration Building.

Applications close on September 25.

General Notices

full-time study, including fees, accommodation and a living allowance.

The Acting Vice-Chancellor, Professor Ian Chubb, said 'These initiatives should make entry more assured for those students whose HSC aggregates are adequate for the course they seek to enter. The University also recognises that it has a particular responsibility to the Illawarra community and has set up special arrangements within its new admissions policy to make tertiary education more accessible for students attending Illawarra schools.'

ARCHAEOMETALLURGY STUDIES IN THE UNIVERSITY OF WOLLONGONG

The visit to The University of Wollongong by Ms Han Rubin from Beijing University of Iron and Steel Technology in 1985 firmly established co-operation in research on archaeometallurgy between the two universities. Recently Ms Sun Shuyun, also from Beijing, came to Wollongong to continue that research in the Department of Metallurgy and Materials Engineering with Associate Professor N.F. Kennon, Dr D.P. Dunne and Mr R. Smith. Ms Sun will be concerned with two major projects.

1) An Investigation into the Patina on Ancient Chinese Bronzes.

It has been found that some ancient Chinese bronze artifacts are not corroded even though they have been buried for thousands of years. Apparently a hard lacquer coating on the surface of these artifacts protected them from corrosion. For example, a sword and an arrow-head unearthed at Xian from the pit of the terracotta figures of warriors and horses near the Mausoleum of Qinshihuang, first emperor of Qin Dynasty (221 BC - 210 BC), are still sharp and glossy.

Many ancient Chinese bronze mirrors are similarly very shiny and like new, when they are excavated. Mirror surfaces have been found in different burial environments with both black patina and with silver-white lustre. The surfaces of most mirrors which are unearthed in South China have the black patina, whereas the surfaces of those unearthed in North China have a silver-white lustre. Analyses of the differences in composition, structure and conditions of formation of the two kinds of surfaces is the basis of one major co-operative project involving Ms Sun in this University.

2) Lead Isotope Ratio Study of Ancient Bronze Artifacts from South China.

Welcome visitor to the University from China, Ms Sun Shuyun is in the Department of Metallurgy and Materials Engineering. Her areas of interest are the patina on ancient Chinese bronzes and the ancient bronze artifacts of South China

Ancient Chinese bronze artifacts are well known for their various shapes and beautiful designs. One such artifact is the famous 'Si Mu Wu' rectangular ding (1400BC - 1100BC), 875 kilograms in weight and the biggest ritual vessel yet found in the world. This and other numerous bronze artifacts were cast about 3000 years ago in China and the question has been asked 'from where did the copper, tin and lead come?' Recently, Chinese researchers have found several ancient mining and smelting sites, the largest being in Tonglushan located in Hubei province and dating from 1100BC to 200BC. At this site there are many ancient slags which collectively weigh 2-300,000 tonnes, and thus it has been estimated that over 100,000 tonnes of copper were smelted there in ancient times. One further question arises from this situation: 'to where was so much copper transported and for what was it used?'

It is the responsibility of archaeometallurgists to answer these questions.

Some work has been done in America and other countries relating to the sources of the lead in copper-lead by analyses of lead isotope ratio. Ms Sun will do further laboratory testing with this method to try to identify the sources of copper and lead from copper ores, lead deposits and ancient bronze artifacts found in South China. Other methods will be assessed to attempt to satisfactorily explain the sources of ancient Chinese bronze artifacts.

The University of Wollongong welcomes Ms Sun with a hand of friendship and the hope she will have an enjoyable and profitable visit with us. Relationships between the two universities will be further strengthened by her work here and the extension of that work on her return to Beijing and Han Rubin.

DEPARTMENT OF ECONOMICS SIR RICHARD KIRBY LECTURE

The 1987 Sir Richard Kirby Lecture will be held on October 12 at 7.30 pm in Pentagon 1.

Guest lecturer is Bill Kelty, Secretary of the ACTU. All welcome.

Light refreshments will be served after the lecture.

Further information Ray Markey, ext 3734 or Di Kelly, ext 3662.

A NATIONAL FORUM

Science and Technology in the Budget is the topic for a national forum to be held on November 5 and 6 at the Eagle Hawk Hill Complex, Canberra.

For further information: Forum Secretariat, Capital Conferences Pty Ltd, PO Box E345, Queen Victoria Terrace, Canberra, ACT, 2600. Telephone (062) 852048.

EXPERT ADVICE

For your complete conference, seminar, workshop or other organisation.

For expert advice on accommodation, catering, lecture/meeting room hire, technical facilities, printing needs, contact: Conference Co-ordinator, Uniadvice, The University of Wollongong. Phone (042) 270531 or (042) 270076.

FACULTY OF COMMERCE MAIL

The Faculty of Commerce now has its own mailbag so Faculty mail need no longer be sent c/- Department of Economics.

Miranda Baker
Faculty Officer

Research Funds

The following sources of research funds are now available to members of academic staff. Further information including application forms may be obtained from Annette Read (ext 3386) or Ian Strahan (ext 3079). Intending applicants are reminded that all research applications must be forwarded through the Office of Research and Postgraduate Studies.

INFORMATION AND TECHNOLOGY GRANTS

As part of its program in information technology, CSIRO provides grants to support collaborative research and development with industry and tertiary institutions. The areas of expert systems and image analysis will receive special emphasis in 1988.

Applications close with the University on September 21.

SPORTS MEDICINE AND SCIENCE – FELLOWSHIPS AND POSTGRADUATE SCHOLARSHIPS

The Australian Institute of Sport has invited applications for two Fellowships for six to 12 months research, and two postgraduate scholarships for ten months in the Sports Medicine and Sports Science Centre at the Institute.

Applications close with the University on November 18.

WOOL RESEARCH GRANTS – 1988/89

Applications are invited for grants from the Wool Research and Development Fund in 1988/89.

Applications to fund systematic experimentation or analysis, relevant to the wool industry, in any field of science, technology or economics.

Applications close with the University on November 23.

CRIMINOLOGY RESEARCH COUNCIL

Applications for funds to undertake criminological research (including the dissemination of information and advice and the publication of reports, periodicals, books and papers in connection with criminological research and the results) are invited.

Applications may be lodged at any time.

PREVIOUSLY REPORTED IN CAMPUS NEWS

Name	Internal Closing Date
University Research Grants	September 18
A.W. Howard Memorial Trust – Conference Travel Support	September 19
Research into Cot Deaths	September 21
Grants for National Drug Education and Prevention Projects	September 21
Australian Academy of Humanities – Travel Grants	September 30
History of Culture in Australia Prize and Award	September 30
Cambridge Benians Fellowship	October 1
Pig Research Council Study and Training Awards	October 16
Pig Research Council - 1988/89 Grants	October 19
Nursing Research Grants	October 19
James N Kirby Foundation	October 19
World Bank Fellowship	October 19
AVCC Visiting Fellowships for Australians	October 19
Forrestry Research Grants	October 19
AINSE Research Grants	October 23
Edinburgh Institute – Humanities Visiting Research Fellowships	November 16
Australian Special Rural Research Fund	November 30
Wellcome Australia - Medal and Award	November 30
Field Sciences Research Facility	November 30
Education Fellowships	December 14
Field Sciences Research Facility	March 31
Clive and Vera Ramaciotti - Travel Grants	Any time
Earthwatch	Any time
Criminology Research	Any time

Scholarships and Prizes

BIOMEDICAL POSTGRADUATE SCHOLARSHIPS

The National Health and Medical Research Council has invited applications for Biomedical Postgraduate Scholarships. The purpose of the scholarships is to encourage science graduates of outstanding ability to gain fulltime medical research experience while undertaking a higher degree.

Applications close with the University on September 21.

UNDERGRADUATE VACATION SCHOLARSHIPS

The Australian Cancer Society has invited applications for undergraduates vacation scholarships tenable for 6–8 weeks in any appropriate research organisation. The research project in which the applicant proposes to participate must be related to cancer research, treatment or education, or social consequences of the disease.

Applicants should usually have completed at least two years of an appropriate degree in the biological or social sciences.

Applications close with the University on September 23.

COMMONWEALTH POSTGRADUATE SCHOLARSHIPS

Applications are invited for 1988 Postgraduate Course or Research Awards provided by the Commonwealth Government. Course Awards are available for full-time study in approved courses leading to the degree of Master by Coursework. Research Awards are available for full-time research leading to the degree of Master or PhD.

Applications close on September 30 (Course Awards) and October 31 (Research Awards).

Application forms are available from the Student Enquiries Counter, Administration Building.

INTERNATIONAL FELLOWSHIP PROGRAM

Applications are now invited for ONE only award for an Australian citizen to undertake a Master of Arts degree or undertake nine months non-degree studies in the United States starting in September 1988.

Application forms may be obtained from: Australian-American Education Foundation, PO Box 1559, Canberra ACT 2601. Telephone (062) 479331.

Completed applications must be submitted before October 15.

More overleaf

J AMIESON AWARDS FOR OUTSTANDING WOMEN GRADUATES

The Australian Federation of University Women, NSW, offers annual awards of up to $100 each to outstanding women students in any of the universities within New South Wales, completing final or honours year.

Application forms may be obtained from The Australian Federation of University Women - NSW, Suite 919, Challis House, Martin Plaza, Sydney 2000.

Applications close on December 11.

RESEARCH SCHOLARSHIPS IN PURE AND APPLIED SCIENCE AND IN ENGINEERING

Applications are invited for postgraduate scholarships open to students in any of the physical and biological sciences, the applied sciences, or in any branch of engineering. The scholarships are tenable for two years at an institution in the United Kingdom.

Applications close on March 21.

THE RUTHERFORD SCHOLARSHIP

This award, for graduates under 26 years of age on 1 May, 1988, is for research in any branch of the natural sciences with a preference for experimental physics.

It is tenable for three years in some part of the Commonwealth other than that in which the applicant graduated.

Applications close on March 21.

Changing Face of the Campus

T HE ILLAWARRA TECHNOLOGY CENTRE

The construction of the new building for the Illawarra Technology Centre was completed on Thursday August 13 and tenants began moving into the building the next day.

The building, which cost approximately $3.3 million, was financed from funds given jointly by the Commonwealth and New South Wales State Governments to establish a Technology Centre in Wollongong. The main purpose of the Centre, broadly, is to develop in conjunction with staff of The University of Wollongong, the fostering of new enterprises.

The present building is the first stage of what is expected eventually to be an expanded facility. During the planning of the building, the continued development of the Centre was anticipated and allowance made for the construction of additional stages.

A total gross floor area of 2900 sq m with a usable floor area (which does not include corridors, toilets, kitchens, and all other service areas) of 2060 sq m is provided within the building. The main facilities are the Centre's administration areas, a large atrium space to be used as an exhibition area, meeting rooms, support service facilities, a large high roofed laboratory and a number of tenancy spaces of varying sizes.

A carpark with a capacity for 21 vehicles was constructed on the northern side of the building for use by the staff of the Centre and its tenants.

The building houses the Illawarra Technology Centre and its wholly owned subsidiaries such as ITC Development Group, ITC Computer Training Division and Centre for Technology and Social Change. Other organisations occupying the building as clients of the ITC are:

1. Australian Apple Programmers and Developers Assoc.
2. Automation and Engineering Applications Centre Ltd.
3. Controllex Systems Pty Ltd.
4. National Engineering Information Services Pty Ltd.
5. Optical Memory System Pty Ltd.
6. Biolink.
7. South Coast Employment Development Project.
8. Trade Union Training Authority.

Landscaping work for the building is in progress and as is the case with all recent building projects, is being undertake by the University's Landscape Department. Subject to favourable weather, the landscaping should be completed by mid-October 1987.

It is expected that the building will be officially opened in mid-November.

K.E. Turnbull
Manager, Buildings and Grounds

eeo news....

TRAINING PROGRAMS FOR WOMEN ON LEAVE

The Department of Employment and Industrial Relations has recently funded a pilot project designed to reduce the turnover and improve the productivity of female workers in Australia. Directed by Dr Donald E. Lewis of The University of Wollongong's Department of Economics, the project is entitled Training Programes for Women on Leave. It attempts to overcome some of the problems women and their employers face when women are on maternity leave, leave without pay or other types of temporary leave.

The research project will implement a program designed to reduce the problems and costs to both employees and employers, caused by workforce interruptions. In an attempt to keep women on leave up-to-date, they will return to work on average for one day per month. During this time they will be familiarised with any new developments in the organisation, new procedures, new equipment in use, and other such changes that could have an impact on their job performance. They will also receive training and practice on new equipment, use new procedures and practise other techniques with which they were already familiar.

The University of Wollongong has agreed to participate in this pilot project. Women presently on leave or contemplating leave in the near future who require further information, should contact me on 3917 or Sue Chapman on 3929.

Peg MacLeod
EEO Co-ordinator

Seminars

DEPARTMENT OF BIOLOGY – BIOMEDICAL EVENING SEMINARS 1987

Each Seminar will be preceded by a char grill dinner at 6.30 pm in the Union Bistro. Those interested in attending the dinner should contact Dr E.J. Steele before the designated evening so that appropriate bookings can be made. Seminars will begin at 8 pm in Lecture Theatre G.19, Building 35. This series is sponsored by the Department of Biology and the School of Health Sciences. The assistance of Dr Stephen Anderson is acknowledged.

Wednesday September 16 – Dr G. Both, CSIRO Division of Molecular Biology, North Ryde

– Molecular Biology of Rota viruses.

Convener: Dr E.J. Steele
(042) 270434

DEPARTMENT OF PHYSICS – SCHEDULE OF COLLOQUIA

Held in Physics Lecture Theatre (building 18, room 118).

Thursday September 10, 12.30 pm – Prof Dick Collins, School of Physics, University of Sydney, Gas Absorption in Evacuated Solar Collectors; a method of reducing high stagnation temperatures

Thursday September 24, 12.30 pm – Dr Joe Unsworth, School of Mathematics and Physics, Macquarie University – Conducting Polymer Devices.

FACULTY OF COMMERCE SEMINARS (ACCOUNTANCY AND LEGAL STUDIES)

All seminars to be held in Room 19.2035 at 11.30 am.
Date: September 25
Speaker: Professor Ken Moores (Otago)
Topic: Organisational Control Process in New Ventures.
Date: October 16
Speaker: Mr Hai Yap Teoh (Wollongong)
Topic: Foreign Exchange Risk Practices Among Australian Companies.

Ferdinand A. Gul
Seminar Co-ordinator

DEPARTMENT OF HISTORY AND POLITICS POSTGRADUATE SEMINARS SECOND SESSION

All seminars in room 19.2004 at 5 pm

September 16 – Barry Bridges – Problems in Writing Historical Biography

September 23 – Winifred Ward – Will Hobin: Secular Theologian

September 30 – Dr Andrew Wells – Fernand Braudel and Writing Australian History

DEPARTMENT OF CHEMISTRY SEMINAR PROGRAM SESSION II

All seminars are to be held on Friday in Room 18.111 (Physics) at 2.30 pm

September 25 – Professor L.N. Mander, Australian National University – RSC Lecturer for 1987

Dr S.G. Pyne
Coordinator

DEPARTMENT OF BIOLOGY SEMINARS SESSION II

All seminars to be held in Room G19, Building 35.

Tuesday September 22, 3.30 pm – Mrs Ae-Soon Tholen. 4.30 pm – Mr John Goodfellow – Biology Honours Seminars

Tuesday September 29, 3.30 pm – Ms Fiona Harris. 4.30 pm – Mr Peter Butler – Biology Honours Seminars.

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING RESEARCH SEMINARS

Venue for all seminars: Room 35.G45 at 4.30–5.30 pm.
Date: September 21
Speaker: Mr C.S.Yu
Topic: Expert system in process control
Date: September 28
Speaker: Mrs M. Mei
Topic: Integrated voice and data in computer networks

J.F. Chicharo
Convenor, Ext 3397

DEPARTMENT OF MATHEMATICS

Speaker: Dr Brian Jefferies. (Brian is a QEUU fellow in the Department of Mathematics, The University of Wollongong).

Title: Pettis Integral Operators.
Date: Thursday September 17
Place: Room 15.204 (Austin Keane Building).
Time: 1.30 pm to 2.30 pm.

We regret that a fee of $1 may be imposed for parking on campus. Alternatively, if visitors advise the Departmental Secretary (270845) on Tuesday September 15 of their intention to attend the Seminar, the Department will inform the gate attendants, and the charge will be waived.

WRITER'S CLUB ACTIVITIES

Monday September 21 – Entries close for Philip Larkin Prize

Tuesday September 22 – Harold Park Hotel. Reading. 5.30 pm bus departs from Gleniffer Brae

Tuesday September 29, 12.30 pm – Northern Lounge, University Union – Public Reading. Speaker to be announced

Job Vacancies

Details of the positions listed below are on file in the Planning and Marketing Office, on the second floor in the administration building.

Adelaide	Research Associate (Specialist Molecular Biologist), Special Research Centre in Gene Technology, Department of Biochemistry
	Research Fellow, Departments of Agricultural Biochemistry and Agronomy at the Waite Agricultural Research Institute
	Lecturer (tenurable), Department of English Language and Literature
	Postdoctoral Fellow, Department of Agronomy, Waite Agricultural Research Institute
	National Research Fellow, Department of Chemical Engineering
Australian Institute of Health	Director
Canberra CAE	Head of School of Applied Science
	Head of School of Environmental Design
James Cook	Lecturer, Department of Zoology
Macquarie	Lecturer in Economics (tenurable)
	Assistant Bursars (two positions), Systems Development and Accounting
	Temporary Lecturer (Secondary English), School of Education, Teacher Education Program
Melbourne	Chair of Manufacturing Management
Mitchell CAE	Principal Lecturer in Psychology
Murdoch	Lectureship in Computer Science, School of Mathematical and Physical Sciences
Newcastle	Senior Lecturer in Occupational Medicine, Faculty of Medicine
Otago	Lecturer in Drama
	Assistant Lecturer in German
	Assistant Lecturer in French
	Lecturer or Senior Lecturer Personnel Management or Business Policy
Oxford	Oxford Nuffield Medical Fellowship Appointment 1988
Queensland	Lecturer in Anatomy (tenurable)
	Professor of Physiology and Pharmacology
	Lecturer in Aboriginal Studies, Department of Anthroplogy and Sociology (tenurable)
	Specialist Tutor in Anatomy (fixed term)
	Occupational Hygienist, Office of Occupational Health and Safety

Concerts, Exhibitions and Entertainment

SCHOOL OF CREATIVE ARTS

Friday September 25 at 8 pm
SCAW Ensemble conducted by Edward Cowie
Philip Pittman – Piano Trio
Edward Cowie – Lyre Bird, Mt Keira Duos
Robert Laurie – A Snatch
Arnold Schoenberg – Ode to Napoleon
Admission: $5, concession $3

Friday October 30 at 8 pm
SCAW Ensemble conducted by Andrew Ford, Robyne Dunn (soprano), SCARE directed by Vanessa Woodhill
John Davie – Konk-tra (first performance)
Peter Maxwell Davies – Suite: The Devils Miss Donnithorne's Maggot

SIX OF ONE

There is still time to see the last four of the six short plays being presented by the School of Creative Arts and directed by second-year BCA students. All productions are being held in the Music Auditorium at the School of Creative Arts, The University of Wollongong, starting at 8 pm.
Admission $4, $2 concession.
Subscription $16, $8 concession.
Inquiries: Sheila Hall, telephone 270996.
Tickets at door.

FIREBIRD by Rob Hood

Firebird is a play about frustration, resentment and games people play.
This interesting, and at time, comic play has been workshopped by The Griffith Theatre in Sydney.
Helen Robinson (Director)
September 19 and 20 at 8 pm

THE CHRISTIAN BROTHERS by Ron Blair

Ron Blair's The Christian Brothers shows life in a Catholic Boys School in the mid 1950's. The schools were staffed by over-worked and under-prepared men and women.
The majority of pupils came from working class extended families and at school absorbed a culture most of them would never lose.
Joanne Elliott (Director)
Saturday and Sunday September 19 and 20 at 8 pm

INTER–HALLS' MASQUERADE BALL

One of the highlights of the 1987 University social calendar will take place on Friday September 25 in the Union Hall. A limited number of tickets at $20 each, which includes a three-course meal, drinks (beer, wine and orange juice), and a band (The Layabouts) are now on sale at International House.
All members of the University are welcome.
This event is supported by the Illawarra Credit Union, Cousins, Southern Crepes, MacDonalds (Fairy Meadow) and the Eagle Container Line.

ABORIGINAL ART 1987

The Long Gallery, Building 25, School of Creative Arts, The University of Wollongong.
Aboriginal Art 1987 is presented by the School of Creative Arts in conjunction with Aboriginal Arts Australia.
The exhibition continues to September 20, Monday to Friday 10 am to 4 pm, Sunday 1 to 4 pm.
All works in this exhibition are for sale. Sale inquiries to Sheila Hall on (042) 270996.

ILLAWARRA MUSIC CLUB 1987 CONCERT SERIES

Friday October 30 – Cram House, Crown Street at 8 pm – An Edwardian Evening presented by Peter Roberts.
An evening of pomp and circumstance, of musical recollections of the Indian Empire, of the colonies of King Edward and all that it meant to be 'British'. Parlour songs, a palm court orchestra and other musical ensembles will make this an evening of enjoyment.
In addition to the 1987 Subscription Concert Series, the Illawarra Music Club is proposing some special events–

* Friday November 20 – Wollongong Town Hall Theatre. Herman Loewen, Baritone, and Delcie Schipp, Soprano.

* It is also planned to hold a special chamber music concert presented by the IMC Chamber Music Sponsors. Once a year lovers of chamber music sponsor, through the IMC, a chamber music concert of the highest quality, bringing to Wollongong the finest of Australian chamber musicians.

* The Illawarra Music Club has a continuing commitment to the development of young musicians from the Illawarra through its Scholarship/Wollongong Hi Fi Shield for Schools Competition. The 1987 competition will be held on Saturday September 19 at the University of Wollongong Union Hall. There are three sections – keyboard, vocal and instrument. Further details to be announced.

Advertisements

SHARE ACCOMMODATION

Non-smoker required to seek and share a three bedroom house/unit in northern suburbs. Would suit fellow academic or graduate student. Rent anticipated at $140–$160 p.w. (shared). All inquiries welcome to Mary Martin ext 3576 or 835090.

ACCOMMODATION WANTED

Single lecturer seeks accommodation for one month.

TRAVELLING TO ENGLAND?

Need home-style accommodation? During the period December 1987 and August 1988 a house is available for rent near London. It would suit a family of four or five. Further details from Peter Wood, ext 3943, or Janet Williams (02) 5203018.

BOOKS FOR SALE

$5, $10 etc. Room 19.117. Phone ext 3456 or 844992.

FOR SALE

Typewriters – Olivetti Lettera 32 portables (2). Excell. condition, with cases. $80 each. Phone ext 3626 or 298254.

Datsun 180B sedan, manual, stereo radio/cassette, new battery with 2½ years warranty, very good engine, reg to 1/88. $1250. Phone 272185.

White Ford Laser GL, 4 sp, 55,000 km, reg 8/88, excellent condition, $8,000. Ext 3428.