



20 October 1987

INFORMED DEBATE NEEDED FOR UNIVERSITY REFORM

'Unbridled enthusiasm at the federal level for "reform" of the universities constitutes a serious threat to sensible changes' was how the Vice-Chancellor, Professor Ken McKinnon, prefaced a statement responding to the university reform announced by Mr Dawkins.

Said Professor McKinnon: 'The air is thick with rumour about what Minister Dawkins is determined to do to force the universities to conform. There are of course many ways in which universities ought to be improved but as the advice given to the Minister is apparently coming from amateurs with an axe to grind more harm than good may be the result.

'For instance, there is a strong rumour that the Commonwealth Tertiary Education Commission is about to be axed. Although CTEC is not perfect, the principle of disinterested public advice and separate government decisions about funding is infinitely preferable to the inevitable consequence of politically motivated decision making, cronyism and pork-barrel responses to special pleading.

'If any semblance of autonomy in their internal affairs is to be maintained, universities need to be kept at a distance from politics. If funding arrangements are developed which make universities quasi-public service departments, required to comply in every detail with the inevitably limited vision of those currently in power, Australia will be ill-served. Likewise, if the power the government has to command the public service is extended over the universities, essential critical analysis of society will be aborted. Moreover, it should be remembered that when the government changes, the new arrangements may be used for other purposes or turned against their creators.

'We need a period of open discussion and debate about any new funding or other arrangements. It is not obvious that the Commonwealth Department of Education would be a good substitute for CTEC; there is nothing in its reputation that makes one believe its administration of funds would be more efficient or better. Similarly it is rumoured that Departmental officers are to produce a Green paper on reform, and that this procedure has been adopted because the decisions have effectively been taken. How can proposals for improvement be done well without any input from those actually involved with universities?

'Actually, what Mr Dawkins has put in train is reconsideration of the role and functions of universities in Australian society. The same reconsideration is going on elsewhere. The difference here is that the decisions appear to have been made in advance and without public input. But all is not as simple as it may seem.

'Mr Dawkins in his speech of September 22 spoke of research funding coming under a new Australian Research

Council which will concentrate on certain fields in selected universities. Is he aware that the Americans insist on at least two funding sources to overcome inevitable bureaucratic myopia? Who would have funded super-conductivity a few years ago? Who will fund unfashionable research into potential energy sources against future possible need? Of course we do not want trivial research or dilettantism, but is Mr Dawkins sure that concentration will not be squeezing out the essential with the trivial?

'People who point the finger at university researchers suggesting the need for greater productivity are usually those with no credentials. For instance, Australian business commitment to R&D is abysmally low, very nearly the worst in the western world. Universities are responsible for well over 50 per cent of all basic research undertaken in Australia which, if subverted, would leave a very large hole in the national capability. It is not sensible that all researchers should go over to applied research. I happen to agree that much can and should be done to achieve a better programmed and more systematic output but most of those steps can best be taken within universities.

'Another hare that is running concerns industrial funding of universities. Again the outlook is poor. Mr Dawkins suggests that industrial funding can substitute for extra expenditure by the federal government. He wants both more teaching for less money and industrial input to pay for teaching and research. In the last few years there has been 30 per cent increase in students for only eight per cent

continued overleaf

Research and Entrepreneurship

Week 5 October 21

Universities, Research and Entrepreneurs

The features of an entrepreneurial approach to research.

Commercialisation — from idea to new firm, product or service.

Speakers:

John Bailey, Executive Director,
Centre for the Development of Entrepreneurs,
Chisholm Institute of Technology.

John Anderson, Manager, Illawarra
Technology Centre; University of Wollongong.

General Notices

ADVICE TO GRADUATES

The tangible evidence of your good fortune is the high demand for graduates from employers in every sector of the economy. Graduate employment has always been high and provided you, as graduates, are prepared to be flexible in using the skills that you have learned here, I do not believe that unemployment ought ever to be an issue for any of you throughout your lives.

These encouraging words were spoken by Mr F.G. Hilmer to graduates receiving degrees and diplomas at this university at the October 8 graduation ceremonies. Mr Hilmer has a close association with the employment market. He is Managing Director of McKinsey and Co Inc and a member of the CTEC. He was addressing graduands in the Arts including Creative Arts and Master of Studies in Arts departments, and in Commerce: Management, Occupational Health and Safety, School Administration and Mathematical Sciences including Computer Science. Mr Hilmer continued in an equally encouraging vein:

'You are also particularly fortunate because you have had the benefit of an education which by world standards is both high quality and low cost to you. And finally, you are fortunate because while you may have had to compete for places to win admission at this university, the competition three or four years ago was far less than it is today.'

But looking at higher education in a more general way, Mr Hilmer said:

'While we celebrate your particular good fortune in graduating, the fact that I refer to your experience as particular is sad. As I observe our higher education system today, we seem to be trapped in a vicious cycle. It is one of our own making and it is costing us future opportunities as a nation. The cycle goes something like this:

We need and want an increasing quantity and quality of higher education. Although we debate the areas in which growth ought to be concentrated, there is little debate about the proposition that the total amount of education ought to increase.

We are approaching the limits of what can be delivered from our current faculties and institutions without more funds. There are always opportunities in every area to become more efficient. However, over the last decade, student load has grown at three times the rate of increase in academic staff.

As a nation, we will not, and probably cannot, afford to allocate extra public funding for education. Our levels of national debt are already too high and whatever the government, economic stringency will be the order of the day for a number of years.

We have not been prepared to move towards a system where users pay a significant part of the cost, e.g., via fees supported by loans in some cases.

'How can we break this cycle? One response is to try to ration places, but this is clearly unsatisfactory in view of our want and need for more education. Another response, one that is currently in vogue, is to try to squeeze more out of the system. Unfortunately this very legitimate aim often takes an ugly turn. It is always easy to accuse academics of being lazy, inflexible, tenured, out of touch with the real world. However I do not believe that academic-bashing is a constructive way to debate how to improve the system, any more than public service-bashing is a way to improve the performance of public servants, or union bashing is a way to improve the output of the workforce.

'I am sure that in your experience many of your teachers have been dedicated, have worked hard, and have given you perspectives and lessons that will be helpful to you in your lives.

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more funds so that increase in "productivity" is already the norm.

'Will industry supply funds for research? I wonder if anyone has pointed out to the government that in the USA, often quoted as the model for such interaction, in 1986 of the \$7200 million spent by universities on research less than ten per cent came from industry. If government funds for research are cut there is little hope of them being made up by industry given its history and the US experience. How much hope can there be that industry funds will be available for teaching?

'Another instance is the comment by Dr Helen Hughes of the ANU who was reported as an adviser promoting year round timetables because academics have too long a period for holidays. It is all very well for an ANU academic who has no students to teach to think that summer is vacation time. Actually, the breaks between heavy and increasing undergraduate teaching are the only periods available for sustained research in other universities.

'My university is possibly the only Australian university that does offer credit courses throughout a summer session but there are both direct and opportunity costs which Dr Hughes glossed over. It is true that there is more intensive use of capital facilities and that some students speed up their progress, but there are no recurrent cost savings. On Dr Hughes' suggestion, each university would cost a third more to run, with no certainty that there would be a directly proportional increase of throughput of students. Too much of Australia closes down in the vacation season for all courses to be possible. It is the culture not the universities that make this option difficult.

'Take the issue of tenure. Of all the flim-flam about tenure that which says we will get more productivity without it is the silliest. My university, at over 20 per cent, has the highest proportion of non-tenured staff among Australian universities. We need this flexibility, but equally some stability and permanency are necessary and desirable. Tenure does not mean that people cannot be dismissed. In practice it is the industrial courts that prevent this, just as they do for most segments of Australian society. The case for dismissal is almost impossible to establish within Australian industrial practice. Those bent on removing tenure would do better to modify the industrial courts. Formal abolition of tenure would probably have very little effect on university staff stability, but it would so increase insecurity as to undermine "productivity".'

'In the name of reform numerous prejudices about university academics are surfacing. Player after player is jostling for a receptive Minister's ear.

'Certainly we want reform — I am as trenchant a critic as there is of many features of university life. I believe, for instance, that effective processes to counsel and, if necessary, get rid of the small percentage of non-performers are essential.

'But the current enthusiasm to make profound, head-long and thoughtless changes in the name of improved economic performance is very worrying. It would be a tragedy to cripple the universities simply because we are too impatient to weigh the evidence coolly. The graduates of Australian universities serve Australia well, as we can see from the current federal cabinet. Can the Minister not be persuaded to promote genuinely open debate and involve some genuinely experienced people?'

'In a similar vein, we see attacks on pure research and calls that research that is not commercially sponsored be cut back. Anyone who has studied the history of invention, the process of serendipity of which we all enjoy the fruits, would know that that is no way to obtain results.

'So we are caught in this cycle and we are not prepared to debate the central issue — how to raise more money in a way that strengthens our higher education system. Unless we address this either through fees, loans, and/or public spending, we will continue to demoralise and chip away at higher education at the very time that we need it most.

'You, as beneficiaries of the system, have an obligation to contribute to this debate, to improve the quality of the debate, to distinguish issues of fact and of relevance. I urge you not to wimp out.'

Praise for The University of Wollongong came during the Occasional Address on Friday, next day, when the speaker was Mr R.B. Winder, Director General of The Department of Education. Mr Winder was addressing graduates in Education, to whom he had, *inter alia*, this to say:

'Today's graduands have been extremely lucky to be able to attend this university. The University of Wollongong is a relatively young institution but it is keen to maintain the general traditions and standards of university education and at the same time be progressive in many of its policies. I am aware of press reports in recent weeks which praise the University for the stand it is taking on entry requirements for 1988 and 1989 in giving some guaranteed level in terms of marks for selection for entry.

'It is widely known that this University has taken a large range of initiatives to improve the quality of academic, technological and educational activities in this state. These measures are to be applauded. At a time when higher education is of increasing importance to Australia's future, and it is coming under closer scrutiny and attracting some deserved or undeserved criticism, it is heartening to observe an institution which has such 'get up and go' yet retains an appreciation of the university tradition as a centre of excellence. I pay tribute to this University for its initiatives and also to its leaders for their vision, particularly Professor McKinnon, the Vice-Chancellor.'

And going on to comment on professions and professionalism, Mr Winder said:

'Some of the professions which you will now join have long-standing perceptions to overcome. For example, the historical record for the first century of British settlement in Australia abounds with savage comments on teachers. *The Sydney Gazette* on 25 March 1825 carried an item which referred to teachers as 'vulgar, illiterate, Scottish adventurers (Note: Professor McKinnon — Scottish) the refuse, the insolvent outcasts' of other lowly occupations. Committees of Inquiry in all colonies produced evidence of teaching of the lowest conceivable quality. The general tendency was to accord teachers a social ranking below many if not most other occupational groups. In 1850 William Duncan complained that the New South Wales school system attracted 'none but persons in the lowest ranks of society ... disqualified physically or otherwise for pastoral or agricultural labour'; while educated people such as he who were 'inconsiderately led to embark in the undertaking' withdrew in disgust at the earliest opportunity because of the 'degraded position' afforded to teachers. But not everyone was of that mind and viewpoint.

'At the same time Henry Murray of Hobart was stating that good teachers 'form a most laborious, useful and truly dignified order of society'. Murray went on to say that: 'the profession of a schoolmaster involves all that is essential to the welfare of the human race. Those who devote themselves to the arduous task and, faithful to their highly important trust, discharge their duties with diligence and success, may justly claim and expect ... very high respect from the community'. The professionalism of teachers, as also of the other groups represented here today, has been a hard game to win — and it is not won yet.



One of the highlights of the two days' graduation ceremonies was the awarding of a degree to Wollongong University's first woman to graduate as a Master of Commerce(Hons) in Accountancy. The graduate was Mary Greenwell, who already had the distinction of being the only female lecturer in the Department of Accountancy and Legal Studies. Topic for her thesis was Capital Expenditure Budgeting and Organisational Change.

'A profession brings many challenges. Many of you will be employed in large bureaucracies, either government or government-supported, and will, therefore, need to grapple in a personal way with the relationships between your loyalties to your profession and your loyalties to the organisation which employs you. Most of you, no doubt, will also become members of an industrial union which will also place demands on your loyalties. It is not an easy matter to work out your professionalism in those circumstances. Further, the odds are that none of you will become really wealthy from the remuneration these professions will offer you — you won't be poor, either. You will be challenged and monitored in your daily professional roles by various groups and agencies within society, many of them sponsored by governments and employing top class graduates who will bring to bear their skills and academic disciplines to question your professional actions, to challenge the tenets of your profession.

'What then is a profession? The words 'profession' and 'professional' are, of course, associated with the verb 'to profess' which means to affirm one's faith in or allegiance to something of significance and to acknowledge and declare that allegiance publicly.

'The word 'professional' has suffered a bit in recent years, especially when the group (doctors for example) take industrial action. Rather than being associated with the 'learned professions', its typical use today is to differentiate between participating in an activity by way of interest or recreation, and participating in a similar activity for material gain — by way of 'work' — we say. But even 'work' and 'recreation' are imprecise and grey concepts nowadays, just as 'professional' and 'amateur' are greying terms.

'There will be critical times in your career when your professionalism is sorely tested. For those just entering a profession I advise that you will recognise them when they occur. Your choices at those crucial points of decision will determine the extent of your ultimate professional commitment.'

NEW OPPORTUNITIES FOR SUPPORT FOR DEVELOPING INDUSTRIAL TECHNOLOGY

The Expanding Range of Commonwealth Government Programs for Industry.

A workshop organised for local industry by the Centre for Technology and Social Change (TASC), a division of the Illawarra Technology Centre, University of Wollongong, will be held at the Technology Centre, The University of Wollongong on Wednesday October 28 at noon.

Program

Noon Informal lunch at the Illawarra Technology Centre
12.30 Brief presentation outlining the Major Commonwealth Government Programs followed by open discussion:

Tax Concessions and Grants for Technology Development.

Speaker: Dr Michael Lane, Senior Scientist, Technology Programs and Technical Services, Department of Industry, Technology and Commerce. (DITAC).

Taking Advantage of Offsets.

Speaker: John Hawksworth, Assistant Secretary, Industrial Investment and Collaboration Branch, DITAC.

1.30 **Support Programs by the NSW Innovation Centre.**
Speaker: Harold Graycar, Executive Director, NSW Innovation Centre.

1.45 **How the University Can Assist Local Firms.**
Speaker: Professor Ian Chubb, Deputy Vice-Chancellor (Research).

Please complete the following form and return by October 23 to: Technology Development Workshop, Centre for Technology and Social Change, Illawarra Technology Centre, PO Box 1144, Wollongong 2500. Telephone (042) 268866.

TECHNOLOGY DEVELOPMENT WORKSHOP

I would like to register for the workshop

Please keep me informed of activities and meetings at the ITC

Name

Position

Company/Address

Phone

25 YEARS AT WOLLONGONG UNIVERSITY

On Friday October 2, Ian Lowe celebrated his 25th year in administration. The occasion was marked with an afternoon tea, where his staff presented him with a life-size cardboard replica 'Key to the University', a genuine cardboard replica watch and likewise University Medal. The University Secretary, Mr Ken Baumber, presented him with a citation from the Administration, which congratulated him, among other achievements, on his survival. Congratulations Ian from your staff and friends.

WESTERN ENTRANCE

The University is currently considering a proposal to close the Western Entrance during certain times, e.g. after midnight; at weekends and possibly during the summer recess. By doing so, this should help to improve general security and control on campus and allow a more efficient utilisation of the available Patrol staff.

So that this proposal may be considered further, staff and students are invited to send any comments they may have to the Buildings and Grounds (Maintenance and Services) Section.

OPEN DAY AGAIN

Grey skies in the morning and the threat of some dampness in the afternoon did little to keep people away from the campus on University Open Day on Sunday October 11.

No count of visitors was taken and estimates varied between 5,000 and 10,000 and the lower figure could appear to approximate to the more accurate guestimate.

Certainly lectures and demonstrations were well attended though, paradoxically enough, one of the day's highlights, the Town v Gown cricket match, attracted only a few spectators.

Results of the game were:

Town (the City)				
Julian Le Bas c Greig b Meakin				84
Robert Kirkwood c Schofield b Holland				12
Peter Brailey c Woodley b Holland				6
Peter Wilson (C) c Schofield b Holland				0
Lindsay Le Bas c Ladie b Greig				14
Murray Bennett (guest) c Woodley b Meakin				18
Peter Andonovski c Schofield b Greig				1
Brian Everett b Greig				0
Barry Mitrevski not out				5
Ricky Clark not out				8
David Sommerville d.n.b.				
Robert Davis (12th man)				
Sundries				6

8 out for 154 (off 40 overs)

Gown Bowling:

	O	M	W	R
A. Meakin	10	1	2	38
R. Brindley	10	1	0	34
B. Holland	10	1	3	30
S. Woodley	4	—	0	22
A. Greig	6	2	3	24

Gown (the University)

Aldo Ladic c Mitrevski b Bennett				1
Rick Childs b Bennett				7
Steve Bray c and b Clark				24
Rick Adams c Andonovski b L. Le Bas				3
David White c (sub) Davis b J. Le Bas				20
Bob Holland (guest) c Bennett b Sommerville				45
Steve Woodley c Wilson b J. Le Bas				10
Andrew Greig stpd Brailey b Clarke				8
Brian Schofield (C) run out				15
Andrew Meakin b Sommerville				0
Rowan Brindley not out				2
Sundries				10

All out for 145 (off 47.3 overs)

Town Bowling:

	O	M	W	R
D. Sommerville	9	5	2	7
L. Le Bas	10	4	1	9
M. Bennett	10	—	2	44
R. Clarke	10	1	2	39
J. Le Bas	8.3	1	2	38

Sponsors were BHP Engineering, Hotel Illawarra, Kollaras Food Services, National Australia Bank, Wollongong Paddy's Markets, National Australia Bank Travel.

HOW TO MANAGE YOUR OWN MONEY

Monday October 26, 6.30 pm to 8.30 pm.

Monday November 2, 6.30 pm to 8.30 pm.

Monday November 9, 6.30 pm to 8.30 pm.

Monday November 16, 6.30 pm to 8.30 pm.

To be held at The University of Wollongong Administration Seminar Room, 1st Floor, Administration Building No. 36.

Sponsors: *The Illawarra Mercury*, The National Bank,

Symes, Warne and Associates, Shepherd Miller and Hyslop, The University of Wollongong.

Details from The Co-ordinator, Centre for Continuing Professional Education, The University of Wollongong, PO Box 1144, Wollongong, 2500. Telephone 270484 or 270531.

CHILDREN '87 WORKSHOPS FOR PARENTS

Presented by The University of Wollongong, Illawarra Area Health Service, Department of Education, Catholic Education Office.

Saturday October 24 from 9.15 am to 4 pm. Pentagon Building, The University of Wollongong.

Details from The Co-ordinator, Centre for Continuing Professional Education, The University of Wollongong, PO Box 1144, Wollongong, 2500. Telephone 270484 or 270531.

NETWORK YOUR WAY TO PERSONAL SUCCESS

Going Places Fast Workshop. Wednesday October 28, 6 pm to 9.30 pm, The University of Wollongong Administration Seminar Room, Administration Building, Building 36, Northfields Avenue, Wollongong.

Details from The Co-ordinator, Centre for Continuing Professional Education, The University of Wollongong, PO Box 1144, Wollongong, 2500. Telephone 270484 or 270531

CHILDREN'S CHRISTMAS TREE

Nominations for the Children's Christmas Tree have now closed. This function will be held on Saturday November 28 at noon in the area between the new Administration building and the Greenery.

There will be plenty of entertainment for the children and we will have our sausage sizzle again to start the afternoon, so bring the family for lunch.

We also need donations for our Christmas Hamper which will be raffled and drawn on the 28th. Please leave your donations with Lionel at the Printery, or Flora in the Central Registry, Administration.

Flora Hutchison
Hon Secretary

Seminars

DEPARTMENT OF BIOLOGY

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

Tuesday October 20, 4 pm — Dr John Pollak, Department of Histology and Embriology, University of Sydney — Assessment of the literature of paternally-mediated effects on reproduction.

Tuesday October 27, 4 pm — To be announced.

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING RESEARCH

Venue for seminar: Room 35.G45 at 4.30–5.30 pm.

Date: October 26

Speaker: Mr L. Cung

Topic: Development of an expert system for the BHP plate mill

J.F. Chicharo
Convenor, Ext 3397

DEPARTMENT OF CHEMISTRY

Seminar is to be held in Room 18.111 (Physics) at 2.30 pm

October 23 — Dr Michael Guilhaus, University of New South Wales — FT Ion-cyclotron Resonance

Dr S.G. Pyne
Coordinator

DEPARTMENT OF PHYSICS

Thursday October 29, 12.30 pm — Prof Hugh Bradlow, Department of Electrical and Computer Engineering, University of Wollongong — Local Area Computer Networks from a User's Perspective.

DEPARTMENT OF PHYSICS — SCHEDULE OF PUBLIC LECTURES

Held in Pentagon 3 (building 20).

Thursday October 22, 8 pm — Prof Jim Piper, School of Mathematics and Physics, Macquarie University — Lasers: Towards 2001.

DEPARTMENT OF PHILOSOPHY

Friday October 23 at 10.30 am — Tom Halloran, Tutor at The University of Wollongong — 'Lonergan on Intentionality'.

Department of Philosophy Seminar Room, North Wing, Social Sciences building, The University of Wollongong, Northfields Avenue, Wollongong. (Building 19: Rm 1016).

DEPARTMENT OF MATHEMATICS

Speaker: Dr Robert Womersley, Department of Applied Mathematics, University of New South Wales.

Title: Nonsmooth Optimization problems associated with matrix eigenvalues.

Date: Thursday October 22.

Place: Room 15.204 (Austin-Keane Building).

Time: 1.30 to 2.30 pm.

ENVIRONMENTAL SCIENCE BOARD OF STUDIES AND DEPARTMENT OF SCIENCE AND TECHNOLOGY STUDIES

Speaker: Sharon Beder.

Topic: Surf, salmonella and cyanide: a sewerside story.

Time: Wednesday October 21, 12.30 pm

Place: Building 19, room 241.

Further information: Brian Martin, 270763.

This is the story of why sewerage engineers are committed to 19th century treatment technologies and ocean disposal despite public protest about infectious diseases in bathing waters and toxic contamination of marine life.

Sharon Beder is an ex-engineer who is now studying the way engineers make decisions for a PhD at the University of NSW.

ECONOMICS GRADUATE STUDENT SEMINAR

The Micro Level Impacts of Alternative Rice Policies on Rural Households in Indonesia.

Speaker: Sandra Mark.

Date: Thursday October 29 from 12.30 to 1.30 pm.

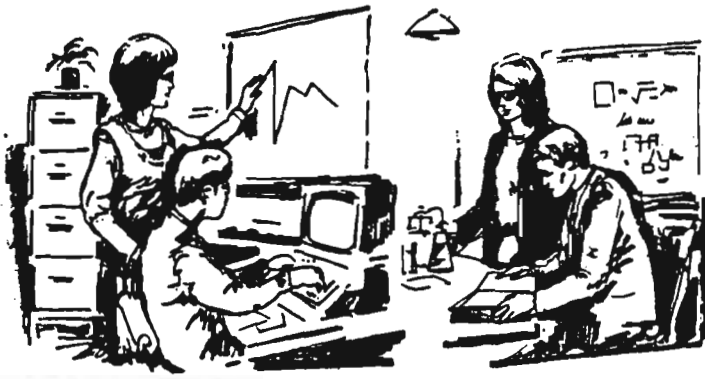
Venue: Room 19.206.

Further information from Dennis O'Brien, ext 3654.

WRITER'S CLUB ACTIVITIES

Thursday 22, Friday 23 and Saturday October 24 — Music Auditorium. Writers' dramatic production.

Further details from Ron Pretty on 270867 or 270985.



Staff Roundup

HERE'S YOUR CHANCE!

Are you interested in general staff training and development? Well, here is your chance to become involved.

A Staff Training and Development Consultative Committee is being established with the following objectives:

- determine training and development needs
- provide advice on training programs
- analyse training and development issues
- consider training and development policies
- make recommendations for human resource development.

It is expected that the committee will have representation from the various groupings of general staff on campus. These groupings have initially been identified as: Administrative and Clerical, Computing, Library, Professional, Research Assistance, Secretarial, Support (maintenance, security, cleaning, attendants, landscape, etc), and Technical.

Accordingly, nominations from people interested in representing staff from their grouping are being called for. Nominations should be made, in writing, to the Staff Training Coordinator, identifying name, department, grouping the nominee wishes to represent, and any other details which demonstrate the nominee's interest in staff training and development.

Nominations close October 30.

Further details: Wendy Raikes, ext 3946.

SELECTION TECHNIQUES WORKSHOP

The Selection Techniques Workshop scheduled for December 8 and 9 has been reserved for academic staff (as they are usually unable to attend others during the year due to teaching commitments).

During the workshop staff will develop skills relating to the whole selection process including using job descriptions, drafting advertisements, determining selection criteria, culling applications, interviewing techniques and assessing applicants. EEO principles and discrimination law, and their relationship to the process, will be considered. A comprehensive manual will be given to participants, particularly useful for further reference.

Academic staff wishing to nominate for the December workshop should complete a nomination form available from Personnel Services Branch, and return it by November 13.

Further details: Wendy Raikes, ext 3946.

ASSOCIATION OF COMMONWEALTH UNIVERSITIES 1988 FELLOWSHIPS

The Association of Commonwealth Universities offers a number of fellowships in two categories.

The first category, the Administrative Travelling Fellowship, is intended to offer opportunities for senior officers already established in their administrative careers to attend brief and intensive training programs and/or to visit other

countries of the Commonwealth and study matters of professional interest to themselves, their universities, and the university system in their country. Of course, an application for the Fellowship could be considered in conjunction with an application for the University's Development Leave for General Staff program.

The other category, the Senior Travelling Fellowships, is aimed at the professional advancement and reinforcement of those leaders of the academic community who are responsible for starting or developing a major enterprise in their university or among universities in their region, by providing opportunities, for example, to visit other institutions or attend an appropriate course overseas.

Full details on the eligibility, value, conditions and method of application for the Fellowships are available from Wendy Raikes, ext 3946. Applications for either category of the Fellowships must be submitted initially to the University by December 1.

CURRENT VACANCIES

- * Professional Officer (limited term), Civil and Mining Engineering, closing date October 23.
- * Internal Auditor, Vice-Chancellor's Unit, closing date October 23.
- + Lecturer in Accounting (tenurable or limited term - 4 years), Accountancy and Legal Studies, closing date October 21.
- + Lecturer/Senior Lecturer in Creative Writing (tenurable or limited term - 4 years), Creative Arts, closing date October 21.
- + Lecturer in Anatomy and Physiology (tenurable or limited term - 4 years), Health Sciences, closing date October 21.
- + Lecturer/Senior Lecturer in South East Asian History (tenurable or limited term - 4 years) History and Politics, closing date October 21.
- + Lecturer (limited term - 4 years), Sociology, closing date October 21.
- + Lecturer in Industrial Relations (tenurable or limited term - 4 years), Economics, closing date November 20.
- + Lecturer (2 positions) (tenurable or limited term - 4 years), Electrical and Computer Engineering, closing date November 20.
- + Lecturer/Senior Lecturer in Sports Psychology (tenurable or limited term - 4 years), Health Sciences, closing date November 20.
- + Lecturer (tenurable or limited term - of up to 4 years), Mechanical Engineering, closing date November 20.
- + Lecturer (tenurable), Metallurgy and Materials Engineering, closing date November 20.
- + Lecturers (2 positions) (limited term - 4 years), Psychology, closing date November 20.
- + Professor of Italian, Department of Languages, closing date December 15.

Further details for those vacancies marked *, Gary Graham, ext 3935; for those vacancies marked +, Ross Walker, ext 3934.

STAFF CHANGES

New Starters

Professor E.P. Wolfers, Professor of Politics, History and Politics.

Ms K.A. Cave, Incremental Clerk, Library.

Ms E. Ganino, Cleaner, Buildings and Grounds.

Ms R. Stanizzo, Cleaner, Buildings and Grounds.

Ms P. Boag, Cleaner, Buildings and Grounds.

Ms J. Stalker, Cleaner, Buildings and Grounds.

Ms G. Stanizzo, Cleaner, Buildings and Grounds.

Ms I. Fisher, Cleaner, Buildings and Grounds.

Ms A. Aungles, Teaching Fellow (temporary), Sociology.

Correction

Ms S. Smith, Manager, Financial Services is not leaving the University.

Research Funds

The sources of research funds given below 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 Post-graduate Studies.

THE FLINDERS UNIVERSITY SHORT-TERM VISITING RESEARCH FELLOW IN SOCIAL SCIENCES

Applications are invited for the position of Visiting Research Fellow, tenable for six weeks to six months, in the School of Social Science, Flinders University. Applicants must hold a PhD or have equivalent research experience. An amount of \$A1,500 per month will be paid as a contribution towards expenses.

Applications close with the University on November 16.

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.

NATIONAL RESEARCH COUNCIL OF CANADA

The National Research Council of Canada is offering Research Associateships tenable in its laboratories; they are intended to give promising scientists and engineers an opportunity to work on challenging problems in fields of interest to the National Research Council. Applicants should have recently acquired a PhD degree.

Applications close with the University on November 24.

AUSTRALIAN WATER RESEARCH COUNCIL – PARTNERSHIP RESEARCH PROGRAM

The Australian Water Research Advisory Council has invited applications under the partnership program which provides funds for research expected to be of practical benefit to the industry in the short term. Funds provided under this scheme must be matched by a third party (not the organisation carrying out the research) and should be to start a new project.

Applications close with the University on November 25.

INDIAN GOVERNMENT AWARDS FOR SENIOR EDUCATIONISTS

The Indian government is offering awards for senior academics and administrators to undertake study/observation tours in India in 1988/89.

Information statements are available from: The Assistant Director, Awards and Exchanges Section, Indian Government Senior Education Awards, Department of Education, PO Box 826, Woden, ACT 2606.

Applications close with the Department on November 25.

MEAT AND LIVESTOCK – RESEARCH AND DEVELOPMENT

The Australian Meat and Livestock Research and Development Corporation has invited applications for funding of

Research and Development projects aimed at improving the production, efficiency, profitability and marketing of Australian meat and livestock.

Applications close with the University on December 7.

Scholarships and Prizes

POSTGRADUATE SCIENCE RESEARCH SCHOLARSHIPS

Applications are invited for research scholarships in science leading to the degree of PhD. The research work should be concerned with cardiovascular function or disease or related problems. Applicants should hold, or expect to obtain, at least an upper division second class honours degree or its equivalent.

Applications close with the University on October 21.

SWISS GOVERNMENT SCHOLARSHIPS 1988/89

A scholarship is being offered to an Australian citizen by the Swiss Government for study in Switzerland commencing in October 1988. The Scholarship is tenable for one academic year (nine months).

Application forms and information are available from: The Secretary, Swiss Government Scholarships, Department of Employment, Education and Training, PO Box 826, Woden, ACT 2606. Phone (062) 837649.

Applications close with the Department on October 30.

NETHERLANDS GOVERNMENT SCHOLARSHIPS 1988/89

Up to two postgraduate scholarships, tenable in the Netherlands, are offered each year by the Netherlands Government. Awards are tenable for a minimum period of three months and for a maximum of 12 months during the Netherlands academic year which commences in September each year.

Application forms and information are available from: The Secretary, Netherlands Government Scholarships, Department of Employment, Education and Training, PO Box 826, Woden ACT 2606. Phone (062) 837649.

Applications close with the Department on November 20.

PREVIOUSLY REPORTED IN CAMPUS NEWS

Name	Internal Closing Date
AINSE Research Grants	October 23
Frank Knox Scholarships	October 23
Postgraduate Scholarships in Rural Research	October 26
Kobe Steel Scholarships	October 31
Commonwealth Postgraduate Scholarships (Research Awards)	October 31
Small Grants for Postgraduate Women	November 4
Edinburgh Institute – Humanities Visiting Research Fellowships	November 16
ATERB Medal and Grant	November 16
Research into Economics of Multiculturalism	November 16
Sports Medicine and Science - Fellowships and Postgraduate Scholarships	November 18
Wool Research Grants	November 23
Australian Special Rural Research Fund	November 30
Wellcome Australia - Medal and Award	November 30
Field Sciences Research Facility	November 30

EEO news....

A number of brochures have been printed and are available from the EEO Unit. These include *Resources for People with Disabilities*, a pamphlet publicising what is available at the University to help people with disability, including a map of the campus indicating wheelchair access points to buildings, lifts, disabled toilets and parking spaces. There is also an information brochure on *Sexual Harrassment*, outlining the University's policy; and a *Guide to Careers at the University*, a booklet designed to encourage target group members to apply for positions at the University. Role models are featured, including women staff members working in non-traditional areas, and staff with non-English speaking and aboriginal backgrounds.

Telephone Janet Sturman on 3917 if you would like any of these brochures, or simply drop into the Unit and we will be happy to give them to you.

Faye Franklin
EEO Administrator
ext 2917/3030

Concerts, Exhibitions and Entertainment

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.

SCHOOL OF CREATIVE ARTS

Friday October 30 at 8 pm

SCAW Ensemble conducted by Andrew Ford, Robyne Dunn (soprano), directed by Vanessa Woodhill.

John Davie – Konk-tra (first performance)

Peter Maxwell Davies – Suite: The Devils Miss Donni-thorne's Maggot

STUDENT PRINTMAKERS IN THE CITY

Art doesn't belong only in art galleries. It should be accessible to everyone. Galleries tend to confine the potential audience for art to those who don't feel intimidated by such sacred sites.

Consequently, the School of Creative Arts student printmakers' exhibition in the foyer of the new City Council Building in Burelli Street is a welcome step, taking art (and the University) to a wider public. The spacious, well-lit foyer of this new building is an excellent venue for exhibitions and provides an unusual focus for the work of our students. It nets both library and council visitors and, we hope, it will be the first of a number of shows off-campus.

Printmaking is itself a very accessible art form having been, from its earliest days, a form of popular communication in Europe and Japan. However, many people still confuse original, limited-edition artists' prints with *reproductions* of art. The former are no different in quality to,

say, drawings or paintings, while the latter are merely commercially printed copies.

The clear advantage of prints over other art forms is their relatively low cost, and most famous painters throughout this century have supplemented their work with prints.

Each technique in printmaking confers its own special qualities on an image. In this exhibition we see relief prints, printed from blocks such as lino, intaglio prints from zinc and copper plates which have been partly etched away by acid, screenprints in which ink is forced through a fine mesh, and monoprints. They represent the wide range of interests and lively approaches to art by students in all years of the BCA course.

It is hoped that the printmaking studio will soon be able to add lithography to its basic facilities and extend its activities into graphic design – another area in which printmaking can serve the public at large.

The exhibition runs to October 28 and is open from 8.30 am to 4.30 pm Monday to Saturday.

Richard Hook

Advertisements

HOUSE FOR SALE

House Keiraville for sale, 38 Georgina Ave. Four bedrooms, family room, new kitchen, recently renovated throughout. \$114,000.

Contact: Dennis O'Brien ext 3654 or 272255 a.h.

TO LET

Studio room available for rent, Stanwell Park, \$50 per week. Large studio room with separate entrance available for rent on share-house basis. House is located in rainforest with ocean views and large gardens. Inquiries Barbara Lepani, ext 3639 or 941469 a.h.



UNIVERSITY OF WOLLONGONG

SUMMER SESSION

*General interest courses

Languages (Japanese, Latin, Spanish, German), Human Rights, Society and Culture, Revolutions in Science, Film and Television Production, Communications, Computing.

*Bridging courses for prospective tertiary students

Learning Skills, Maths for Physics, Concepts of Physics, Chemistry.

*Professional development courses

Micro computers for Engineers.

*Credit courses for tertiary students

The sixth annual summer session conducted by the University will be held during December/January. Residential accommodation and child care facilities available. Full details contained in a brochure available by contacting: The Summer Session, Organiser, PO Box 1144, Wollongong 2500. Phone: (042) 27 0927.

Applications close 31 October.