THE UNIVERSITY OF WOLLONGONG

CAMPUS NEWS

22 May 1990

Accolades for graduates

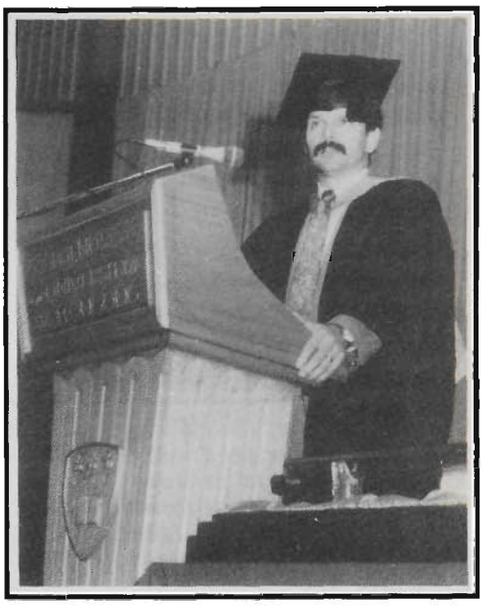
Prestige, student morale boosted by guest speakers

AT THE GRADUATION ceremonies held on May 8, 9, 19 and 11, a total number of 1360 graduates in the faculties of Arts, Commerce, Education, Engineering, Health and Behavioural Sciences, Informatics and Science received their degrees.

Among them was the Brisbane biographic abstractions artist Irene Amos, who was among the first group of postgraduate students to enrol in the University's Master of Creative Arts course. She went on to make history by becoming the School's first ever Master of Creative Arts and capped that to become our first woman Doctor of Creative Arts. And she became also Australia's first woman Doctor of Creative Arts. Dr Amos majored in painting. Her thesis was entitled Relationships to Realisation.

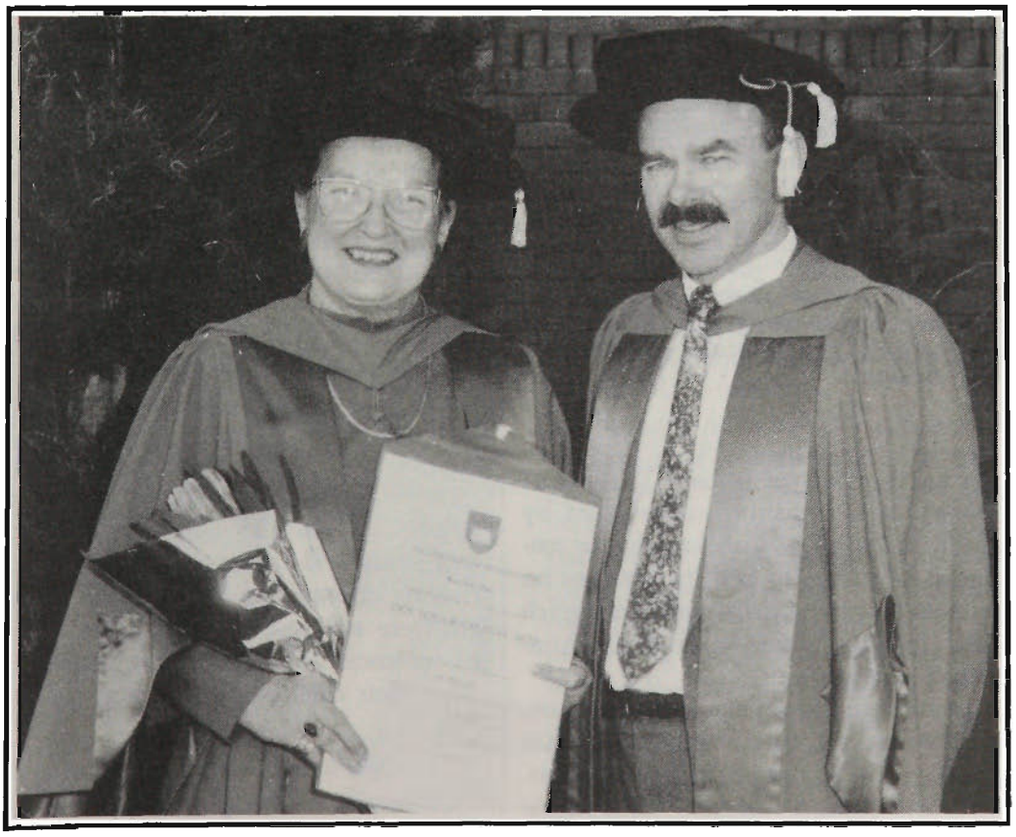
Another familiar face was evident among the ranks of Creative Arts graduates. Frequently seen on television or treading the boards at Theatre South, actor Jeff Kevin became a Master of Creative Arts. Another actor on stage on Thursday was Sally Ann Lindsay, who has children aged 14 and 12, and who graduated a Bachelor of Creative Arts

Women besides Dr Amos and Sally Ann Lindsay were prominent on the Thursday, too. Nelly Munive and Sunta Singh graduated with the degree of Bachelor of Electrical Engineering, and Marena Singh graduated with a Bachelor of Computer Engineering.



Mr John Kranenburg, Managing Director, NorTel Australasia Pty Ltd, gave the Occasional Address to Commerce graduates

Irene Amos, Australia's first woman Doctor of Creative Arts, with Dr Peter Shepherd, who in 1988 became the first ever to take the degree of Doctor of Creative Arts



Most University of Wollongong graduation ceremonies see staff-family members together on the lawns afterwards. The Friday gathering was no exception. Associate Professor David Anderson was there congratulating his son Barry, who graduated a Master of Studies in Education.

* * *

Education in Australia today is a topic rarely missing from television screens or the news pages of the print media. Governments', teachers' and academics' conflicting views on curriculum polices and salary levels were topics touched upon by Dr Brian Gillett in his Occasional Address to Education graduates.

Brian Gillett retired recently from his position as Deputy Director-General of Education in New South Wales. He is now Deputy Chancellor of this University.

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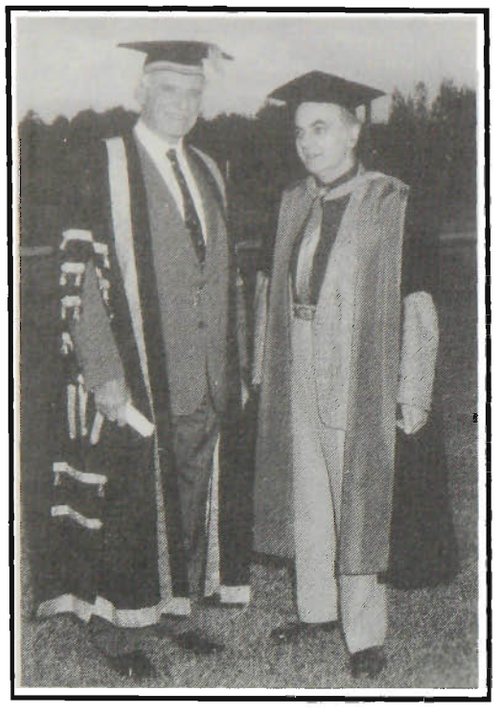
May Graduations

from page 1



With the Chancellor, The Hon. Mr R.M. Hope, AC QC, is Professor Sol Encel, who gave the Occasional Address to graduates in the Faculty of Arts. Before his recent retirement Sol Encel was Professor of Sociology at the University of New South Wales

Said Dr Gillett: 'Whether you are pursuing a career in pre-school, primary, secondary or tertiary fields you will be undertaking a range of demanding but potentially rewarding tasks in an honourable profession which regrettably is insufficiently honoured.... In recent decades the responsibilities society has imposed on teachers and schools have made it difficult to define the purpose of schooling and to resolve curriculum issues.

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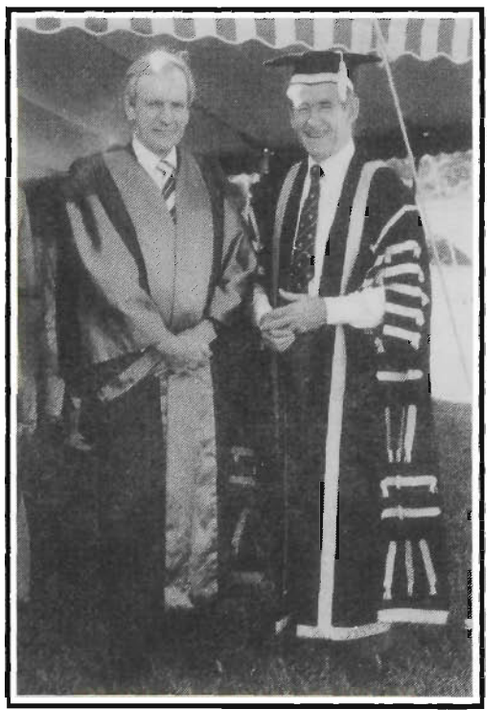
'On the one hand there is the shrill, persistent demand for the basics; on the other there is an equally loud call for a broad approach to education and the curriculum with science, history, geography, economics, languages (traditional and Asian) and technology skills and studies – not to forget the visual and performing arts and physical education and student welfare, personal development, career education and the overriding concern for discipline. To complete the potency of the brew, there is the resurgence of nationalism and, with it, Australian Studies. The result is a complex situation in which schools face a dilemma in striving to satisfy their customers. Society has to face up to the reality that there is neither the time nor the resource to ensure that. The task of the educator is further complicated by the impact of pressure groups, by the tendency for society to foist its problems on schools and by political decisions which have their genesis in other than educational idealism.'



Professor Renfrey Potts, Professor of Applied Mathematics at the University of Adelaide and a Fellow of the Australian Academy of Science, gave the Occasional Address to graduates in the Faculties of Arts, Engineering and Informatics. He is seen here with the Vice-Chancellor, Professor Ken McKinnon

Dr Gillett went on to say that teachers, in order to cope, must be much more than caring, skilled classroom practitioners. They must have a clear view of the educational and political scene and of the curriculum and its potential for satisfying the needs of students. Curriculum priorities had to be resolved at school and classroom levels and with a degree of consultation with the schools community. Increasingly, through schools councils and other structures, the community was being involved in decision making. And while this was a positive trend, said Dr Gillett, it added a further dimension to the teacher's role.

'At last, there are signals that the importance of teachers to the community is being recognised and when the feuding has run its course, salary increases will flow, indicating that government and the community are beginning to appreciate the increase in work value of teachers. But, he cautioned, 'whether the increase is fair or reasonable is another matter.'

On the topic of changes, Dr Gillett felt that the syllabuses which combined to form the curriculum had improved appreciably. In the primary field, language, mathematics, music and the visual arts were examples of education programs which compared well with those of similar countries abroad.

'In secondary education there is a new range of courses catering for student needs and interests from year 7 to 12 and there is continuing review and revision.'

In recent decades, said Dr Gillett, 'there has been a marked shift from teaching to learning – to enquiry methods with students using resource materials to find out for themselves – there is an increasing use of technology, an emphasis on self-discipline, rewards rather than punishment, more open approaches to school planning and decision making, greater emphasis on educational research. There is now more interest in education – debates range on the basics, particularly on spelling, testing and examinations, discipline, special education and selective high schools.'

Dr Gillett concluded with a look at the future. What he hoped to see, he said, was progress towards improving interaction and partnership between schools and their communities, reduced political interference in the decisions affecting schools, and teachers, liberating the creative skills and talents of teachers and creating an environment in which teachers were encouraged to gain the skills, competences and orientations needed to meet their challenging responsibilities.

* * *

The Occasional Address to graduates in Commerce was given by Mr John

Kranenburg, Managing Director of NorTel Australasia Pty Ltd. A subsidiary of Northern Telecom, NorTel is the Canadian international company which has established its R&D facility for the Asian/Pacific region in the Illawarra Technology Centre here on campus.

Mr Kranenburg began with some solid praise for this University He said: 'Ever since universities came into being they have enriched and diversified their intellectual heritage, handing down knowledge and seeking out new. Faithful to this principle, Wollongong University has maintained a relationship with everyday life outside its walls, to which it has passed on its knowledge. From the University has come cultural and economic progress.

'As one of the main sources of knowledge and teaching, universities are at the centre of the forces shaping Australian society. They are being called upon more and more urgently to play an expanding role in the economy.

'The dilemmas facing universities since the early days of the industrial revolution have been revived more openly and are being argued more heatedly than ever before. Should science be pure or applied? Should schools teach culture or practical training? Should universities be places of general instruction or vocational training? And what about excellence? Is the big question today excellence or success?

'These are not new questions...but they have new meaning and new urgency in an era where the knowledge worker is emerging as the productive force in society....The resources for the future will be found in places such as Wollongong University. We can no longer survive on natural resources alone. We have to use our brains.

'We must use them first to develop and market high-technology products; second, to revitalise processes and productivity in our manufacturing sector; and, third, to enhance value added from our resource industries.

'As graduates you are ready to take your place in society and share... the responsibility for shaping Australia and the world's future direction.

'Today's graduates have earned a degree from one of the most highly regarded institutions in this country...The University of Wollongong's official stamp of approval on your scholastic performance constitutes a globally recognised certificate of intellectual achievement.... Wollongong exemplifies the pre-eminent educational objectives of preparing its graduates to be at home in the world of ideas....

'The Partnerships Program has helped create a tangible reminder of our commitment to Australia, and more importantly to Wollongong, with the establishment of the NorTel technology Centre. Situated here on campus, the centre under the guidance of Dr Hugh Bradlow is now established and operating as part of the world-wide Northern Telecom research and development program and an integral part of the Wollongong academic scene.

'Companies such as Northern Telecom must invest in local human resources if the companies are to survive and prosper.... With this in mind, NorTel selects each year some 20 graduates to join the company as part of its University interaction plan. These graduates, and graduates from other universities around the world, will be selected and trained as tomorrow's leaders to form the foundation of Northern Telecom's plan to be the leading telecommunications supplier by the end of the century....

'Economic activity will continue to become more international. Australia's performance in this area has been questionable, and here again we are relying on you to better that performance in years to come, because a growing number of countries are acquiring the capacity to produce and export sophisticated goods and services and many of these emerging economies have labour costs even lower than those of Taiwan and South Korea and far lower than Australia, Japan, Europe and Northern America.

Right, Jan Kemper, Secretary to Pro Vice-Chancellor Professor Lauchlan Chipman, with her husband Tony and their son Gary, who graduated Bachelor of Commerce. On the left is Gary's wife, Lynette, who is in her first year of a Bachelor of Commerce degree

'The 1990s will not be a time for hanging back...there are no soft options, no secure markets and no guaranteed customers and unless Australia acts aggressively now to improve its ability to compete...and unless we improve the quality of higher education, it will be increasingly difficult, if not impossible, to maintain our living standards.

Given this situation, can anybody doubt that increasing the excellence and improving the effectiveness of higher education are urgent and crucial needs? Is there any domain of our national life where success matters more? Essential to Australia's international competitiveness is the ability of our universities to continue producing people with the creativity, vision and understanding needed to revitalise the national economy....,

Mr Kranenburg concluded: 'In the process of seizing the opportunity to make a difference, don't be intimidated by the prospect of competition or even criticism. The best way to deal with competition is to step out and face it, confident that, as graduates of Wollongong University, you have the intellectual capacity to cope with both competitors and critics.'

The Occasional Addresses to graduates in Health and Behavioural Sciences and Science was given by Professor Howard Worner, CBE.

Two members of staff – Bachelors of Arts – Judith Gordon, left, Secretary, Department of Biology with Birgitt Baader, Secretary, School of Learning Studies

Geography papers on research in Kakadu and tropical atolls published in *Nature*

On Tuesday of last week the news media made much of new information from Wollongong and Australian National University geographers, whose work has dated man's existence on Australian soil 50,000 to 60,000 years ago. A paper on the discoveries, made in the Kakaudu region, has appeared in the May issue of the prestigious scientific journal, *Nature*. This news of the important work being done by University geographers comes soon after publication, also in *Nature*, of research done by Dr Colin Woodroffe on tropic atolls in the Pacific and Indian Oceans.

STATE-OF-THE-ART thermoluminescence dating techniques have been used by Richard Roberts, of the University of Wollongong, and Rhys Jones and Mike Smith of the Australian National University, to age sand grains in the oldest known sandstone human shelter in Australia.

The Minister for the Arts, Sport, the Environment, Tourism and Territories, Mrs Ros Kelly, MP, said the rock shelter was one of Australia's most exciting archaeological discoveries. Confirmed at 50,000 years old, it is in the Kakadu area.

Research results just published in the prestigious scientific journal *Nature* showed that people lived at Malakunanja, a camp site at the base of the Arnhemland escarpment, at least 50,000 years ago and maybe even 60,000 years ago. Mrs Kelly said, 'This discovery has created a new benchmark for dating the arrival of people on the Australian continent.'

Previously, the oldest known age for human occupation in Australia was dated at 35,000 to 38,000 years, in sites in south-western New South Wales and Western Australia. 'Significantly, this newest discovery was made in an area which has been recognised internationally as one of the most important archaeological regions in Austrlia,' Mrs Kelly said.

Human artefacts such as stone tools and grindstones were first discovered at the Malakunanja site in the early 1970s and charcoal within the sandy rock shelter deposits was aged between 18,000 and 20,000 years old. Perplexing questions remained, however, about the age of stone artefacts which were found deeper in the sandy soil, but where charcoal was missing. Since charcoal was absent, conventional C14 radiocarbon dating could not be used to determine the age of the older artefacts.

Thanks to Richard Roberts, Rhys Jones and Mike Smith, it was possible to age sand grains from the lower sandy deposits, using the latest thermoluminescence dating techniques.

The Minister said she was pleased that such a significant finding was a true collaborative effort among researchers, supported by the traditional owners of Kakadu National Park, the Australian National Parks and Wildlife Service, the Office of the Supervising Scientist and Pan Continental Mines Pty Ltd.

The late Emeritus Professor John Ward – a tribute from the Australian Vice-Chancellors

COLLEAGUES of the late Emeritus Professor John Ward, AO, who died in the Cowan train accident on Sunday May 6, have paid tribute to his unstinting efforts on behalf of his beloved university sector. Chairman of the Australian Vice-Chancellors' Committee, Professor Brian Wilson, said that John Ward had been an outspoken commentator on the higher education system. 'He was a fearless advocate and defender of the traditional values of Australian universities while being unafraid of change,' he said.

'Professor Ward brought dignity to the office of Vice-Chancellor, and wisdom and erudition to the negotiation tables. He had an unmatched background in terms of the Australian tradition in universities, and his major contribution was his reflective attitude whereby he could comment on a great range of experiences. Being a distinguished historian also gave John Ward a deeper appreciation of the ebb and flow of our times.'

Professor Wilson said that Professor Ward had been – above all – a University of Sydney person, often reminding his fellow vice-chancellors in his inimitable way and with his wry smile, that solutions to their problems might be found in the record of how his university had disposed of difficulties in the past 140 years.

Executive Director of the Australian Vice-Chancellors' Committee, Mr Frank Hambly, said that Professor Ward had stuck steadfastly to his guns over the past nine years when universities had been under attack by governments and other often ill-informed agencies. 'He was a man who gave careful consideration to a wide range of issues and then spoke his mind in clear, unequivocal terms. He was a firm believer in traditional values but could effect radical changes when necessary.'

Mr Hambly said that Professor Ward's wife, Patricia, had been a tireless helpmate for her husband, both academically and in the broad range of community activities undertaken by today's vice-chancellors. 'It is a deep shock to lose friends and colleagues under circumstances like these, particularly on an outing from which they had drawn so much pleasure.'

Mr Hambly said the Australian university community sent their deep condolences to the families affected, including those of the University of Sydney's Registrar, Mr Keith Jennings, whose wife, Moira, died in the accident and who is himself seriously injured.

Membership Drive

THE COMMITTEE of the Australian Institute of Management is offering ten student scholarships (five TAFE and five university) and one full member scholarship for those who apply to join the AIM in May/June.

Full details from Mrs Jenny Hamilton, Assistant Branch Secretary, on (042) 27 0075.

Special funding for Law Library

THE UNIVERSITY of Wollongong has joined the growing number of universities to have a law faculty. The foundation dean, Professor Jack Goldring, who will take up his appointment next month, is currently with the NSW Law Reform Commission and was previously at Macquarie University.

The desirability of establishing another law faculty was investigated carefully before the University proceeded. There is a demand for legal training that is not satisfied by the existing schools. Moreover, there is a need for a wider range of joint degrees than presently offered. It is on this area that Wollongong will concentrate and a distinctive feature of the Wollongong program will be the opportunity to combine law with subjects as diverse as engineering and journalism. The Wollongong student will not only master substantive law but will be required to understand the contexts in which it exists and operates.

While legal studies courses have been taught at the University since 1976, the emphasis has been on commercial law and this is reflected in the library collections. With the assistance of John Rodwell from the University of NSW Law Library, the new information needs of the Faculty have been assessed. Over the next three years, special funding will be allocated for the development of a substantial law library which will use the Moys classification.

At the undergraduate level, the faculty will offer those subjects which are needed for admission to practice as a barrister or solicitor. Teaching needs will form the first priority for the acquisition of library materials. It is intended that students should have all their course work needs satisfied from the Library's collections.

The University recognises that it cannot support the diversified research programs available at the major metropolitan law schools. Consequently, three areas of specialisation have been identified – industrial law, natural resources and mining law, and the policy and practice of court administration. The library will aim to satisfy 60 to 80 per cent of the information requests from staff and postgraduate students undertaking research in one of the specialised areas.

The specialisation is beneficial to the library as it permits the optimum use of resources. It allows the library to set priorities for the acquisition of materials and to assess easily whether donated material should be included in the collection. To acquire for the sake of developing a numerically large collection is not viable in these times of space shortage. Quality, not quantity, will continue to be the guiding principle of the library's collection development policy.

The development of a law library will be a major undertaking for the University Library over the next five years. The position of Law Librarian has been established and support positions will be provided in 1991. Planning has begun for a separate law facility with contiguous library, faculty office and teaching areas. For the first three years, the law library will be located in the Main Library building.

John Shipp
University of Wollongong Library

Craig Grimison

$25,000 Scholarship awarded to Librarian

INFORMATION SERVICES librarian Craig Grimison has been awarded the prestigious James Cook Bicentenary Scholarship sponsored by Blackwells (Oxford) and Blackwell North America who are major suppliers of books and serials to the Library. Valued at $25,000, the scholarship is open to librarians from Australia and New Zealand who wish to spend time as a management intern in a British or North American library.

The scholarship provides librarians with a unique opportunity to develop their administrative and managerial skills by observing closely the work of an experienced manager. The length of time spent at the one organisation allows a greater insight into the management environment than is possible during a short visit. The concept of an internship provides an attractive alternative to course-based learning. It is a well-established method of learning in the health sciences and teacher training, and has proved to be beneficial to both the individuals and the organisations participating.

Although the arrangements for his internship are not finalised, Craig will spend the latter half of 1991 at an American university library. As part of the internship, he will undertake several special projects. These will include investigating the provision of library services for international students, alternative techniques for staff training and appraisal, and the application of performance indicators in the assessment of library services.

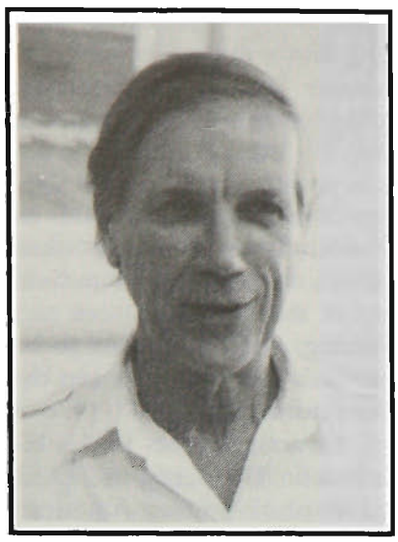
The award of the James Cook Bicentenary Scholarship represents a significant personal achievement for Craig who joined the University in April 1989. He has worked in the three sectors of tertiary education and was previously at the University of New England. With other staff from the Library, he organised a seminar on computer-assisted learning at the University on May 18.

Books wanted

The Graduates Group of the Friends of the University of Wollongong needs donations of books, novels, comics, any texts or old publications as soon as possible for University Open Day on August 26.

If you can help please deliver to the following points: Science Centre – Campus East (foyer), Cowper Street, Fairy Meadow (ex migrant hostel) Saturday and Sunday 1.30 to 5 pm; University Library (audio visual office, special collections area – ground floor) – off Northfields Avenue, Keiraville – Monday to Friday 9 am to 5 pm; Administration Building (Student Enquiry counter) – entry through Security Gate at traffic roundabout – Monday to Friday 9 am to 5 pm. Please label your donation *Friends' Book Sale.*

Enquiries to 61 2714 (Dapto), 29 1951 (Wollongong) or 67 2671 (Warilla) or to Juliet Richardson on ext. 3249.



Professor Norman Macintosh

Radical accountancy scholar on principles of Michel Foucault

PROFESSOR Norman B. Macintosh of Queen's University, Kingston, in Canada, visited the Department of Accountancy on Friday May 11. During his visit he presented a paper, co-authored with Trevor Hopper from the University of Manchester, entitled *Management accounting as a disciplinary practice: theory, case analysis, and implications.*

The theoretical framework adopted by the authors is that of Michel Foucault, the French litro-social-historical-philosopher who has been acknowledged as one of the great intellectuals of the post-World War II era. Foucault identified three general principles of the way in which a disciplinary society functions: the enclosure principle, the efficient body principle and the disciplinary power principle. The paper presented the argument that *Management accounting can readily be re-constructed in Foucault's terms as a major apparatus of discipline and punishment in large organisations.* The enclosure principle can be likened to the practice in many organisations of delineating the organisation into responsibility centres, with the consequent identification in terms of use and ranking within an explicit hierarchy of authority and accountability. The authors have claimed that the efficient body principle is embodied in financial controls which '...call for a rigorous timetabling and reporting process...' and further that financial controls, by acting as a means for the surveillance of each responsibility centre and its managers, conform to the principle of disciplinary power.

The paper presented a challenge to the mainstream traditional ideas about management accounting and allowed members of staff who are working in the area of critical theory generally to have access to one of the researchers currently working in the area. The discussions generated in the seminar and subsequent discussions with Professor Macintosh were particularly beneficial to the members of staff and postgraduate students who are working up their body of knowledge of Foucault's theories and writings, prior to completion of their own studies using this radical Foucauldian approach.

Employee assistance program

PERSONAL PROBLEMS being experienced by employees or members of an employee's family can affect both the employee's private and working life. The University believes it has a responsibility to ensure all employees work in a safe and productive manner and has a genuine interest in the well-being of its employees.

To assist employees to address such problems, the University has introduced an employee assistance program through which free and confidential counselling is made available to employees at all levels for a wide range of personal difficulties in such matters as marriage and family; alcohol and other drugs; emotional stress; interpersonal conflicts; financial and legal worries and gambling.

Employees may use the services offered off campus by the independent service providers, Industrial Program Service, or on campus by the University Counselling Service.

The Counselling Services now offered by the Industrial Program Service are additional to, and augment, those presently provided on campus. The Service is a non-profit government subsidised organisation whose operations are endorsed by the CAI, ACTU and both state and federal governments. The counselling provided by both services is in strict confidence.

Briefing sessions will be conducted for staff and supervisors over the coming months. Employees who feel they would benefit from using the counselling services offered are encouraged to seek assistance.

Further information from Peter Maywald on ext. 3798.

InfoTech Society established

The Information, Technology and Communication degree now has its own society – ITACS. The society was formed at the beginning of the year and has held a number of successful events including a BBQ for the launch and two lunchtime meetings with Patricia Webster of the Careers and Appointments Service and Jim Pearce from the Chamber of Manufactures as guest speakers.

The next function is a wine and cheese night which will be held at 6 pm on Monday May 28 in the Union Bistro. There will be guest speakers from NorTel, Telecom (Corporate Customer Division), The Centre for Technology and Social Change, National Electronic Interchange Services and the Automation and Engineering Applications Centre for those students seeking work for their professional experience.

Tickets are $8 for members and $10 for non-members and are available from the Year Representatives (for InfoTech students), at the table outside the Co-op Bookshop. Enquiries to Meredith Brady (President) on 84 4306 or 84 3997.

Radiation Safety

A COURSE will be held on radiation safety in industry, research laboratories and educational institutions from June 18 to 20 at the School of Chemistry, University of New South Wales. Conducted by the Asia Pacific Institute of New South Wales (APINS), it is designed to equip participants to work safely in environments where radiation is present.

APINS is a Unisearch Institute located within the University of New South Wales. It is a nuclear and radiation science, education and training resource for business, industry and government, providing understanding and technical competence in the peaceful use of radioisotopes, radiation and other nuclear techniques.

Technical enquiries should be addressed to Dr Rosen, Centre for Safety Science, University of NSW (02) 697 4164. Application forms are available from Dr R. McC. Lilley, Department of Biology, Radiation Safety Officer of The University of Wollongong.

Staff Roundup

Appointments

Department of Business Systems
Senior Lecturer, continuing appointment
Reference AC 90-27; Closing date June 22; Salary range (annual) $42,703 to $49,529
Information from Associate Professor G. Winley (042) 27 0958

Department of Chemistry
Lecturer in Organic Chemistry – Limited term – five years (convertible)
Reference AC 90–19; Closing date June 22; Salary range (annual) $32,197 to $41,841
Information from Professor L. Kane-Maguire (042) 27 0509

Conservatorium and School of Creative Arts
Lecturer in Music, contract appointment – one year, extension possible
Reference AC 90-26; Closing date June 8; Salary range (annual) $32,197 to $41,841
Information from Professor Barry Conyngham (042) 27 0985.

Department of Human Movement Science
Senior Lecturers or Lecturers (three positions) – Continuing appointment or limited term – five years (convertible)
Positions available in the areas of
1. Exercise Physiology. Reference 90–23.
2. Exercise Psychology/Psychophysiology. Reference 90–24.
3. Growth and Motor Development. Reference 90–25.

Closing date June 30; Salary ranges (annual) $32,197 to $41,841; $42,703 to $49,529
Information from Professor T. Parker (042) 27 0881.

Graduate School of Journalism
Lecturers in Journalism (two positions) – Continuing appointment or limited term – five years (convertible)
Reference AC 90–22; Closing date June 8; Salary range (annual) $32,197 to $41,841
Information from Professor Clem Lloyd (042) 27 0608

Department of Philosophy
Senior Lecturer/Lecturer – Contract appointment three years
Reference AC 90–20
Lecturer – Continuing appointment or limited term – five years convertible
Reference AC 90–21
Closing date June 22; Salary ranges (annual) $32,197 to $41,841; $42,703 to $49,529
Information from Dr Robert Dunn (042) 27 0615

A contract appointment is for a strictly limited duration. A limited term appointment may be converted to a continuing appointment. A continuing appointment is one until retirement.

Information on conditions of appointment from Mr Ross Walker on (042) 27 0934.

Applications should quote the reference, contain details of qualification, employment history, research interests (where appropriate), publications and the names and addresses of three referees and forwarded to the Recruitment Officer (Academic Staff). A secure fax is available at (042) 27 0700. Envelopes should be marked 'Confidential appointment'.

Equality of employment opportunity in University policy.

Study Leave Applications (academic staff)

STUDY LEAVE Applications for 1991 will be called for on two separate occasions.

Autumn Session (Session 1) applications are due by June 30. Application forms are available from the Administrative Assistant to the Department Head of your academic unit.

Spring Session (Session 2) applications are due by December 31 but will be called for at a later date.

Queries to Irene Burgess, Assistant Personnel Officer (Academic Staff) ext. 3202.

the art of lunch

Thursday 12.35 - 1.25 pm during Session. Music Auditorium, School of Creative Arts, University of Wollongong. Entry to Auditorium through Performance Space Foyer
May 24 Relax to some show numbers presented by music theatre students.
Enquiries: 042-27 0987 or 042-29 7518. Parking: enter by Western Entrance, Northfields Avenue; Admission: free.

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 Lyndal Manton (ext. 3201). Intending applicants are reminded that all research applications must be forwarded through the Office of Postgraduate Studies.

National Centre for English Language Teaching and Research
Expressions of interest for new initiatives and for changes to programs are being called for. This is not a research grant application but rather a call to be involved on projects of mutual interest and benefit. There is no closing date.

Worksafe Australia – National Occupational Health and Safety Commission
Worksafe Australia invites applications for research to investigate *Chemicals in the Workplace* and *Mechanical Equipment Injury*.
Applications close with the University on July 20.

French Government Scientific Fellowships
The French Government with the Department of Employment, Education and Training is offering a number of Fellowships for Australians to visit France for three to six months during February to December 1991.
Applications close with the University on June 1.

National Greenhouse Advisory Committee
Funding is on offer for a limited number of research centres and individual projects of merit. Research proposals should be of direct relevance to Australia and focus on the basic science which underlies greenhouse-induced climate change, its physical and socio-economic impacts and response strategies.
Applications close with the University on June 1.

Health and Community Services Research and Development Grants (RADGAC)
Applications for research related to the service and support needs of adults with Severe Intellectual Disabilities and their Carers are being called for.
Applications close with the University on August 3.

Seminars

Department of Accountancy
Seminars are held in room 2001, in the Department of Accountancy, The Social Sciences Building at 11 am. Anyone who is interested is cordially welcome. Inquiries to Hai Yap Teoh, Seminar Convener, telephone 27 0625.

Friday May 25: Ms Mary Kaidonis, *The effect on learning of accounting concepts using a computerised accounting package and support documentation*

Department of Biology
Seminars are held from 12.30 to 1.30 pm in Building 35, Lecture Theatre G19, on Tuesdays.

May 22: Dr Neil Andrew, NSW Department of Fisheries, Cronulla, *Ecology of subtidal sea urchins on the NSW coast*

May 29: Dr Chrissl Roeske, Department of Agronomy, University of Illinois, Urbana, USA, *Carbonic anhydrase in plants*

Department of Business Systems
Thursday May 24 at 12.30 pm, Kemira Room, Union Building: David Nash, Telecom, *Telecom services and facilities*

Department of Chemistry
Seminars, except where indicated, are held on Fridays in room 18/206 at 11.30 am.

June 1: Michael Manthey, Department of Chemistry, the University of Wollongong, *All you ever wanted to know about 3-hydroxyanthranilic acid, and more!*

School of Creative Arts
Postgraduate series
Seminars, which are held in the Music Auditorium, Building 24, from 4.30 to 6.30 pm, are open to the public and admission is free.

Thursday May 31: *Crossing genres*, Joanne Burns, artist in residence in the School of Creative Arts, is an author working in the blurred area between fiction and poetry. She will discuss her own work in experimental genres and their relevance to issues of gender.

Enquiries to Dr Andrew Schultz, Director, Postgraduate Studies, School of Creative Arts (042) 27 0985.

Department of Economics
Seminars are held on Thursday, from 12.30 to 1.30 pm in room 19.1056.

May 24: M.A. Taslim, University of New England, *Threat of eviction and cropshare tenancy*

May 31: Harry Burley, La Trobe University, *Computer-aided learning in economics teaching*

Education Policy Program
Seminars are held in the School of Policy and Technology Lab (21.101).

Friday June 8 at 12.30 pm: Professor Russell Linke, *Performance indicators in higher education*

Enquiries to Ian Brown – Co-ordinator, ext. 3590.

Department of Geography
All seminars are held in room 19/G027 at 12.30 pm, unless otherwise indicated, and are open to all who would like to attend.

Wednesday May 23: Dr Howar Bridgman, University of Newcastle, *Air pollution studies in the Hunter Valley*

May 30: Dr Lesley Head, Department of Geography, University of Wollongong, *Aboriginal land use around a pastoral excision – context and implications*

Department of History and Politics
Seminars are held on Wednesdays at 5.30 pm in room 19.2043

May 23: C. Nyland, *John Locke and the place of women in society*

June 6: J. Hagan and K. Turner, *Trade Unions and the Labor Party in NSW 1911-1941*

School of Learning Studies
Seminars are held on Wednesdays at 12.30 pm in room 21.104

May 23: Philip de Lacey, *A corollary of research: broadening academic and personal experience*

Enquiries to Bill Winser, Co-ordinator, School of Learning Studies, ext. 3963

Department of Materials Engineering
Seminars to be held jointly with the Wollongong University Student Chapter of the Metallurgical Society on Tuesdays from 4.30 to 5.30 pm in Room 1.134 (unless otherwise specified).

May 22 : Dr G. Delamore (UW), *Rapid solidification*

June 5: Dr R. Hutchings (ANSTO), *Ion implantation*

Enquiries to Associate Professor D. Dunne 27 0014.

Department of Mathematics
Thursday May 24, room 15.204 (Austin Keane Building) at 1.30 pm: Dr Rod Nillsen, Department of Mathematics, the University of Wollongong, *Fourier transforms and piecewise linear functions*

Thursday May 31, room 15.204 (Austin Keane Building) at 1.30 pm: Dr Noel Smyth, Department of Mathematics, the University of Wollongong, *Magmons and the eruption of volcanoes*

Centre for Multicultural Studies
Friday June 8, 2 to 3.30 pm in Building 19, room 2102: Professor Masami Sekine, Department of Political Science, Keio University, Tokyo, currently Special Adviser Embassy of Japan, Canberra, *Foreign workers in Japan – an end to ethnic homogeneity?* Further details from the Centre for Multicultural Studies (042) 27 0780.

New Literatures Research Centre
Friday May 25 at 2.30 pm in Building 19, room 1083: Robert Yeo, Singapore poet/playwright, will give a paper on *English Language Theatre in Singapore*. All welcome.

Department of Public Health and Nutrition
Seminars are held in 5.G03 between 12.30 and 1.30 pm on the dates given. Anyone interested is cordially invited.

Tuesday June 5: Mr Eric Meadows *The international market*

Enquiries to Ms Linda Tapsell, Lecturer, Department of Public Health and Nutrition (042)27 0152 or ext. 3152.

Science and Technology Analysis Research Programme
Thursday May 24 at 12.30 pm in ITC Building, Conference Room 3: Dr Stewart Russell, Department of Science and Technology Studies, *Monitoring technological change and its employment implications: introducing 'Technology Monitor Australia'*

Advertisements

SALE BY TENDER
The University has a Toyota Hi-lux utility (with galvanised steel tray) reg. no. OWY 775 available for sale by tender. No guarantee is offered on this vehicle. Terms of sale are cash or bank cheque.
For inspection contact Frank Hornung (042) 27 0041.
Tenders close 11.30 am on May 24.
Tenders should be placed in a sealed envelope addressed to Office Services, The University of Wollongong, PO Box 1144, Wollongong 2500 and noted on the outside front 'Tender for vehicle OWY 775'.

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