Number 11, 1993

UNIVERSITY OF WOLLONGONG

Wednesday, 28 April

CAMPUS NEWS

University Day 1961-1993
Monday 10 May

Australian Broadcasting Authority chief to give address

Chairman of the recently formed Australian Broadcasting Authority (ABA), Mr Brian Johns, will give the address at the 1993 University Day function which is held each year to celebrate the establishment of a University College in Wollongong in 1961.

The University Day committee was delighted when Mr Johns accepted the invitation to speak because an address by one of the nation's leading figures in the media highlights the activities at the University in recent years in the areas of multi-media research and the introduction of the most advanced multi-media technologies that are appropriate to the delivery of tertiary education.

For some time Mr Johns has been taking an interest in developments at this university and has provided invaluable advice and assistance.

Before joining the ABA Mr Johns was Managing Director of SBS for five years and before that Publishing Director of Penguin Books Australia.

He has had extensive experience in government and in the print media, having worked in the Prime-Minister's Department during the Whitlam and Fraser Governments.

Earlier he held positions in The Sydney Morning Herald, The Bulletin and The Australian.

The Australian Broadcasting Authority, which was established in 1992, is an independent federal statutory authority responsible for the regulation of the broadcasting industry.

It took over the licensing, programming and ownership and control functions previously performed by the Australian Broadcasting Tribunal, as well as the function of planning the broadcasting spectrum previously carried out by the Federal Minister for Transport and Communications and the Minister's Department.

The new act aims to reduce the amount of regulation needed to achieve Government objectives.

The ABA has been given powers to deal efffectively with breaches of the Act in a way which balances the needs of the Australian community with the interests of the producers of the services.

The primary responsibility for ensuring that programs reflect community standards has been shifted to broadcasters themselves.

A system of industry developed codes of practice are being developed.

Only in the areas of Australian content on television and children's television has regulation of program control through compulsory standards been retained.

During the University Day function at 6pm in the Hope Theatre special awards will be presented to staff in the categories of 25th Year Staff Awards, Ethyl Hayton Award for notable activities which enhance community support for the University, Vice-Chancellor's Outstanding Service Awards for General Staff and the Vice-Chancellor's Excellence in Teaching Awards.

This year, in recognition of the Opening of the University's new campus at Berry, the University extends a special invitation to residents and community representatives in the Shoalhaven area.

After the function a University Day dinner organised by the Friends of the University will be held in the Function's Centre. ($20 per ticket)

Provided seating is available anyone interested in these functions is welcome to attend. Phone Barbara Carmichael on (042) 21 3933 to book.

Paul Ryan in Archibald

Paul Ryan, who graduated Bachelor of Creative Arts in 1992, has his portrait of Chris Hayward hung in the Archibald Prize Exhibition.

This is a unique honour especially for someone so young. Paul is the son of John Ryan, previous Professor of Accountancy at the University.

Paul, 28, has won many prizes (beginning with the Faber Castell drawing prize in '87) and held exhibitions at Galaxy Gallery Balmain, DC Art Woollahra and Rex Irwin.

He has had work hung in Faber Castell, twice in the Blake Prize, Sulman Prize and Maritime Art Awards.

His works will be displayed in the Environmental Exhibition to be held in the Long Gallery in June.

Long Gallery grows

The University's exhibition space, the Long Gallery, has grown with the opening on 22 April of a north wing that provides additional exhibition space, a shop and offices for the School of Creative Arts.

After an official opening by the Dean of the Faculty of Education, Professor Russell Linke, the Acting Vice-Chancellor, Professor Gerard Sutton opened an exhibition of postgraduate and undergraduate paintings and design works.

Among the exhibits were works by two candidates for the Doctorate of Creative Arts, Barry Gazzard and Norio Takamiya, and an exhibition of design students' work titled 'Hotwax'.

Self-Defence Justification of Homicide

A book based on a doctoral thesis (University of Sydney 1991) by Suzanne Uniacke in the Department of Philosophy was accepted in January by Cambridge University Press (UK).

The book will appear in their Philosophy and Law series for worldwide distribution in English in 1994. (The series editor is Professor Jules Coleman, Yale Law School, USA.)

Dr Uniacke received one of the University of Wollongong Academic Women's Staff Development Grants for 1993, to prepare the book for publication.

The book examines the moral and legal principles related to justified homicide in self-defence.

Topics discussed include: the nature of moral and legal justification and excuse; self-defence as a moral and legal justification of homicide; self-defence and natural law; intended and unintended killing; the justification of self-preferential killing; the nature of the right to life; the nature of the right of self-defence.

Brief News

Some material from the thesis has already been published as an article in 'The American Journal of Jurisprudence' (1991), and another article appeared in an edited collection 'Partial Excuses to Murder' (1991).

New video

'The Age of Reason' by John Farnham and 'Talking to Strangers' by the Hunters and Collectors are featured in a new video produced to introduce prospective students to the University of Wollongong.

A new approach was used in this video. It is based on (unrehearsed) testimonials about the University from students, parents and industry representatives collected over 12 months. It has the flavour of a video clip. The video was produced by Quantum Leap who has had a long association with the University and has produced innovative videos and TV commercials.

A version with additional material for the international market will be available in the next few weeks.

Planning and Marketing will distribute these videos to Careers Reference Centres, schools and overseas agents.

Any member of staff who would like to borrow a copy for promotion purposes should ring Planning and Marketing, ext. 3110.

Overseas trips

Many academic staff have approached the Pro Vice-Chancellor or Deputy Vice-Chancellor for approval to be absent from the University on an overseas trip, usually with short notice.

Staff also have requested financial support/travel arrangements through the Finance Office/Purchasing officer without having first obtained approval for an absence overseas.

A procedures document exists on this matter and copies have been redistributed to Deans and Heads of Academic Units.

Details are also available on the Administration File Server, under Staff Matters, Academic Staff, Absence from Campus. Further information is available from Ross Walker, ext. 3934.

More US students

Commencing international students from 40 different countries enrolled at the University of Wollongong at the start of Autumn Session this year.

Most of these students were from the USA (17.20 per cent), followed by Hong Kong (11.24 per cent), Indonesia (8.72 per cent) and India (8.49 per cent).

International student numbers at the University of Wollongong have grown from less than 700 in 1986 to more than 1200 this year, representing 11 per cent of the total enrolment of 11,000.

Contrary to national trends, the University continues to reach its target numbers of international students and there has been an increase in the proportion of applications to actual enrolments indicating an increase in the standard of students applying and in the level of their commitment to study at Wollongong.

Most of the American students (74 per cent) are on fee-paying Study Abroad programs.

They came from 25 universities throughout the USA and are undertaking studies, usually over a year or one semester, to complement their programs back home.

The remaining 26 per cent are studying through the student exchange program.

The University of Wollongong has established direct agreements with a number of American institutions, including the University of California (Berkeley and UCLA), The University of North Carolina at Chapel Hill and Indiana University, to promote cooperation in areas of common interest and increase international understanding.

Sounding the trumpet

Phil Slater, honours student in the School of Creative Arts, was described in The Australian on the 16 April as 'a prodigious talent'.

In the review of a performance by the Mike Nock Group at the Strawberry Hills Hotel, The Australian said Phil 'showed a poise and and maturity beyond his years', and was 'the best young trumpet player around today'.

Phil pays the trumpet fanfares at the University's graduation ceremonies. A certain Pro Vice-Chancellor's 'significant other' is a proud aunt.

Australia Prize

The Australia Prize is an international award given by the Government of the Commonwealth of Australia for an outstanding specific achievement in a selected area of science and technology promoting human welfare.

In this context, science encompasses natural and technological sciences, engineering and mathematics. The prize is $250,000 and an inscribed medal.

Recent awards have featured innovations based on applying science and technology to human challenges.

If you would like further information about the prize contact Karen McRae, ext. 3903 9am-12.30pm (Mon-Fri) Nominations close on 31 July 1993.

Dean's merit list introduced by faculties

Faculty of Law Dean's Merit List winners (from left): Alison Gooley, Jennifer Ford, Sinead Campbell, Chairwoman of the Visiting Committee the Honourable Justice Jane Mathews who presented the awards, Natalie Gray, Dean of the Faculty of Law Professor John Goldring, Catherine Holz, Silke Koernicke, Elizabeth Espinoza and Lani Blackman

In order to give public recognition to excellent students during the course of their degree studies the faculties at the University have introduced a Dean's Merit List.

Each semester the top students will be notified that they have been placed on the list which will be displayed on notice boards.

Their academic records will be marked accordingly.

Some faculties have chosen to organise a small ceremony to announce the names of these students.

The Faculty of Law held such a function recently to coincide with a meeting of their visiting committee.

The Dean's Merit list was announced along with the winners of prizes donated by community organisations.

Nineteen students were presented with book prize certificates to the value of $75 or $50 from Butterworths Pty Limited.

Christopher Williams won the ATMA Prize for Taxation Law and Practice, and Joe Habak won the Australian Securities Commission Prize.

Honorary appointment at Westmead for Professor Barry

Head of the Department of Psychology in the Faculty of Health and Behavioural Sciences, Professor Robert Barry, has been appointed an Honorary Visiting Professor in the Cognitive Neuroscience Unit of the Department of Psychiatry at Westmead Hospital.

Professor Barry has had a collaborative link with the Cognitive Neuroscience Unit for some years, focussing on integrating autonomic and central measures of brain function in both normal and patient groups.

Their current joint psychiatric research is primarily concentrating on stimulus processing in somatisation disorder, an illness characterised by long-term reports of pain which cannot be associated with an organic cause.

Such patients pose a substantial burden on the health-care system, as investigation of their pain may involve surgical investigations.

The team believes it has found indications of a recovery-cycle abnormality in the neural networks involved in perceptual processing, which may result in a normally-nonpainful stimulus being perceived as painful.

This on-going research is funded by NHMRC.

All investigations of psychiatric patient groups involve a normal control group, so the team is well able to address theoretical issues in fundamental aspects of integrated psychophysiology (exploring brain-behaviour linkages) in normals.

For example, the team is attempting to bridge between the two dominant paradigms in the area.

Workers using central brain measures, such as EEG and evoked potentials, commonly present their subjects with hundreds of brief stimuli, and examine averaged responses as a function of stimulus or experimental parameters.

In contrast, workers using peripheral (autonomic) measures of brain function, such as heart rate or electrodermal (sweat gland) activity, usually present only a dozen or so stimuli at much longer interstimulus intervals, and examine the individual responses as a function of experimental variables.

These different paradigms have separated researchers whose ultimate goal may be elucidation of the same research question.

Other current research interests of the team include anxiety, schizophrenia, and borderline personality disorder.

To integrate and facilitate this research, Professor Barry leads a weekly research meeting at Westmead Hospital. During 1993, he hopes to develop this linkage further, and to integrate students from the Department of Psychology in the research and other activities at Westmead Hospital.

Internationalisation – alive and flourishing

From time to time *Campus News* features articles which focus on how the University is putting into practice its policy commitment to internationalisation.

A policy of 'Internationalisation' touches on most aspects of the University.

Already the University is noted for its international student body and the opportunities that have been developed through exchange agreements for students to study overseas or for students from many countries to spend time at this campus.

More than 37 per cent of the academic staff have overseas qualifications and many staff go overseas each year on study leave, to undertake consultancies or research projects.

The University considers that an internationally orientated curriculum enhances the employment prospects of graduates, and a heightened awareness of cultural differences amongst staff and students has made the campus a vibrant place to study and work.

The University pursues international distinction in teaching and research, and the University's company, the Illawarra Technology Corporation Limited has a strong focus in its marketing activities.

Each year staff members meet together to consider the University's international mission. A report of the meeting will appear in a later edition of *Campus News*.

Indonesian steelmakers gain Wollongong credentials

Just across the Straits on the northern tip of West Java, the vast Krakatau Steel plant at the town of Cilegon is a major domestic supplier of steel products for Indonesia.

In 1991, senior management of PT Krakatau Steel sought the assistance of the University of Wollongong for the development of a program of continuing professional education for Krakatau Steel's engineers.

Professor Noel Kennon of the Department of Materials Engineering explained that the Krakatau management wanted a program of training which could be delivered on-site, so that the operation of the steelworks could continue smoothly.

'We work with two distinct groups of engineers to meet separate needs,' Professor Kennon said.

'The company's management wants the electrical, civil and mechanical engineers to gain a better understanding of how a steelworks operates, so we provide a course for them which helps them obtain the sort of insights a metallurgist or materials engineer has.

'This is a one year postgraduate diploma, taken over two years part time. The first intake of 25 students commenced in mid-1992 and the second intake at the beginning of this year.

'For the metallurgists and materials engineers, company management identified a need for training in research skills.

'So for this group we have developed a research program leading to a Master of Engineering (Honours) degree. It is a one-year program, taken over two years, and evaluated by thesis and external examination.'

There are 15 students in the research stream.

They work in teams and focus their research activities on practical problems identified by senior company people and approved by the University of Wollongong.

Faculty staff from Wollongong make about 13 visits a year to Cilegon, for intensive work with students and supervisors.

Professor Kennon talks regularly with senior management of PT Krakatau Steel, to ensure that the program is functioning well from their viewpoint.

'The active cooperation of company management is crucial for a program like this,' Professor Kennon said.

'I'm pleased to say that the senior people at Cilegon are very keen and supportive. They have assured me quite recently that they can only see positive benefits from the program.'

The Krakatau project is administered for the University by the Illawarra Technology Corporation Limited.

Agreement with Nan Tai College

The University of Wollongong and Nan Tai College in Taiwan have signed an agreement, linking the two institutions.

In 1992 Nan Tai College, a private college which offers courses in Commerce and Engineering, contacted the University's representative, Academic Asia Ltd, regarding the possibility of establishing a sister relationship with the University of Wollongong.

After visits to the college by Associate Professor Noel Kennon and Associate Professor John Steinke, a linkage agreement was drawn up.

The aim of the agreement is to attract diplomates to study undergraduate courses and to attract Nan Tai staff members to undertake postgraduate studies, particularly PhD courses.

On 13 April a group from the college visisted the University. The agreement was formally signed by the Acting Vice-Chancellor Professor Gerard Sutton and Chairman of Nan Tai College, Mr Hsin Wen-Ping.

Links forged with United Arab Emirates

The University's Vice-Chancellor, Professor Ken McKinnon, and the Vice-Chancellor of the United Arab Emirates Higher Colleges of Technology, Dr Peter Botsman, signed a Memorandum of Understanding which will lead to close ties between the two institutions.

The University of Wollongong has a significant presence in the Gulf and its business arm, the Illawarra Technology Corporation Limited (ITC), has recently established an Institute for Australian Studies in Dubai.

The Institute, which will be formally opened later this month, is educating local students in English and preparing students for academic courses at Wollongong and other Australian universities.

The Vice-Chancellor accepted a gift from Dr Peter Botsman. Looking on are the Managing Director Illawarra Technology Centre (ITC), Mr Jim Langridge, Director of the International Office, Mr Eric Meadows and Manager International Division Mr Bill McGaw.

Professor McKinnon said: 'The agreement with the Emirates' Higher Colleges of Technology (HCTs) is a very significant illustration of our activities in the United Arab Emirates.

'In the current process of 'Emiratisation', high quality training programs for future staff are essential.

'It is envisaged that under a twinning arrangement, graduates of the HCTs will be able to proceed to Wollongong to convert their Diplomas into Bachelor Degrees, and that the highest achievers will be able to go on to a higher degree and return to take up teaching positions at the HCTs.'

The first exchange, under the MOU, will involve two academic staff: Dr Tayeb Kamali, Dean of Engineering at the Men's HCT in Abu Dhabi, who will spend a few months in second semester in Wollongong working with executives in the University's administration. Dr Kamali, who has a DSc in aeronautical engineering from George Washington University, will be accompanied by his wife, Dr Farida Badri, who is Dean of Students at the Women's HCT in Abu Dhabi. Dr Badri will work within the student support structures of the University, and pursue her interests in interactive multimedia modes of instruction.

Kristen Murray

The Bard goes bush with help from USA

International student Kristen Murray came to the University of Wollongong from Memphis, Tennessee, USA last year as an International Rotary Scholar and completed an MSc in Psychology.

She had extensive training in acting and singing and had performed in numerous plays, musicals, specials, and TV commercials in her home city.

Kristen became involved in the School of Creative Arts as an assistant director for last season's production of *Steel Magnolias* .

This led her to change her original plans to go home and instead decided to pursue a second Masters at the University of Wollongong's School of Creative Arts.

Kristen is giving Shakespeare a new twist in the upcoming production of *The Winter's Tale.*

She is especially interested in the relationship between theatre and psychology, and tries to explore this connection in her work.

For this production of The *Winter's Tale* at the School of Creative Arts, she has chosen to set the play in Australia in modern times.

Kristen hopes this may make the play more accessible to those who do not normally see Shakespeare.

The second-year actors in this production have been working diligently since the first week of March to bring to life the play's challenging characters.

The Winter's Tale promises to be an exciting production that offers something interesting for everyone. See advertisement on page ten.

John Goldring to present Commonwealth Conference paper

Dean of the Faculty of Law, Professor John Goldring has been invited to present a paper at the prestigious Commonwealth Law Conference in May in Nicosia, Cyprus.

Professor Goldring will be addressing the distinguished gathering from more than 50 Commonwealth countries on *Skills-based training for lawyers - a neglected aspect of legal education.*

Professor Goldring will discuss the general re-evaluation of legal education and training throughout the Commonwealth.

In his paper he says: 'In the context of a profession which is necessarily conservative, this is an achievement.

'Not only teachers, but also practitioners are asking questions about the effectiveness of the training and education of lawyers. It is not clear that they are asking the right questions.

'Often they are an ill-considered and superficial responses to the perceived failings of some young lawyers.

'The positive attribute is the notion that legal education and training are now perceived as having an effect on what happens within the legal system.

'The compartmentalisation of legal education that followed the reviews of the 1950s, especially the work of Professor Gower and the Ormrod committee, and the resulting division of legal education and training into rigidly distinct 'academic', 'practical' and 'continuing' components, is now being questioned.

'There is an acceptance that those three elements should still be present, but perhaps not so readily divided.

'Members of the practising profession would not now press claims that legal education and training should be purely vocational; academics are beginning to overcome their abhorrence of the practical (itself a reaction to the dominance of legal education by practitioners).

'There is a move to accommodate the needs of legal practice in a legal education which is still an intellectual exercise which creates an awareness of the world beyond narrow vocational horizons.

'As part of this development, there is a recognition that development of skills can be a vital part of legal education.'

Among the skills Professor Goldring identifies as necessary for a practising lawyer are:

• **Rhetorical skills**, that is, students must learn to understand and present reasoned arguments for and against a number of specified positions, both orally and in writing.

> **'Lawyers need to be able to listen attentively and to interview people of different backgrounds'**

• **Interviewing and listening.** Unlike skills of argumentation, the skills required to elicit information from people have not been taught in Universities, yet they are among the most important skills required in any type of legal work. Knowledge of a rational system of rules will not help to solve a practical problem unless the lawyer can identify relevant and material facts. To do this effectively, lawyers need to be able to listen attentively and to interview people of different background. Some basic training can be given at a theoretical level, but experience is essential to complete effective learning. There is some debate about whether skills of this kind should be taught in an 'academic' rather than a 'practical' context.

• **Drafting and other written communication skills.** All kinds of legal work involve reading and writing documents, ranging from simple letters to statutes and Constitutions. Lawyers must be able to assist their clients to express their intentions in the clearest possible language, taking care also to use forms of words that achieved the desired legal consequences, while avoiding undesirable consequences. Part of the lawyer's work is to convey meaning as clearly and economically as possible. Throughout their legal education, they should be required to develop this skill.

• **Most lawyers also need personal skills - attributes like ability to cooperate, to provide leadership, empathy, and to exercise judgement.** They will be called upon to work as members of teams, with other lawyers, with other professionals. They will need to be able to influence their clients, courts and officials. Because they are independent professionals, they will be placed in positions where they must make choices and value-judgments that are often difficult. Students must largely develop these skills on their own, but they can be provided with an environment in which to do so. For example, most law students are highly competitive. They have had to compete to gain entry to law school, and they are aware that, absent nepotism, the best jobs go to the best qualified. A highly competitive atmosphere can destroy any tendencies to cooperation, and may lead to the cutting of moral corners. Where a legal education requires students to work cooperatively, such as team preparation for competition, division of classes into small syndicates with assigned tasks, etc, there are opportunities for the development of these desirable and necessary personal skills.

Professor Goldring concludes his paper by saying: 'If skills-based training is seen as a way of opening legal education to the sort of competency-testing that is so much in vogue in some trades and in schools, then it should be resisted at all costs.

'If, however, it implies the use of more effective methods of teaching and learning, methods which, while allowing students to acquire knowledge, and the ability to analyse, apply and evaluate information, also gives them an opportunity to develop professional skills, then all should welcome it.'

Wollongong scholar wins energy scholarship

Linda Murdoch, a postgraduate scholar in the Faculty of Informatics, has won one of five postgraduate scholarships awarded by the Energy Research and Development Corporation (ERDC) as part of its charter to stimulate and facilitate effective energy research for Australia.

Ms Murdoch's thesis will be on Resonant DC link converter with three-phase supply.

At a recent ceremony at the ERDC in Canberra, Ms Murdoch and her supervisor Dr Don Platt, were presented with commemorative certificates along with other award winners and their supervisors.

ERDC's managing director, Kathryn Adams, said: 'These scholarships are an investment in Australia's future energy needs.

'Each of the postgraduate scholars and their projects has the potential to make a significant contribution to the efficient use, production and/or distribution of energy on a national basis.'

The scholarships comprise a $20,000 annual stipend to the individual and a $3000 grant to the university.

Ms Adams said that five winners were chosen from 37 applicants of outstanding calibre.

The principal selection criteria were the candidates' ability to undertake a postgraduate degree, the relevance of their proposed project to ERDC objectives and the quality of the research proposal.

Professor Richard Collins, Chairman, ERDC Board of Directors and Professor of Applied Physics at the University of Sydney (left) congratulates Linda Murdoch and Dr Platt after the presentation ceremony

Each scholarship is for three years.

ERDC invests in approximately 20 new projects each year.

All include significant industry involvement in programs covering the electricity, liquid fuels, gas, new and renewable energy sources and systems, planning, design and management, and energy equipment industry sectors.

Ms Adams said that under the terms of the contracts, each scholar is required to submit a project plan detailing the research objectives and strategies the scholar will use to achieve them, a work plan to complement the strategy, a project schedule (including a Gantt chart), project milestones and when they are expected to be met.

The scholars will make an annual written report to the ERDC and in addition, attend an annual seminar at which all the scholars will present to each other and the ERDC their progress over the last year and their next year's work plan.

Ms Adams concluded that the ERDC's motivation in awarding postgraduate scholarships is that it is important for Australia's future to produce people trained in energy research.

Details of Graduation ceremonies

The May Graduation Ceremonies will be held from 11-14 May in the new Union Hall. The details are:

Tuesday 11 May 2.30pm: All Arts and Creative Arts degrees and diplomas. Health & Behavioural Sciences, BA and BA (Hons) only.

Honorary Award: Mr Noel Gordon Diffey (Fellow of the University).

University Medal: Gary Edmond (History and Science and Technology Studies).

Speaker: Professor Ann Curthoys, Faculty Research and Research Degrees Co-ordinator, UTS.

Wednesday 12 May 9.45am: Engineering – all Engineering degrees except Electrical and Computer Engineering. Informatics – all Mathematics, Computer Science, Electrical and Computer engineering and Information Technology and Communication degrees and diplomas.

University Medal: Bryan Andrew Sheddon (Materials Engineering).

University Medal: Grant Andrew Moule (Mathematics).

Speaker: Ian McMaster, Group General Manager, BHP Sheet and Coil Products.

Wednesday 12 May 2.45pm: Health & Behavioural Sciences – all Human Movement and Nursing degrees and diplomas, BSc, MSc and MSc (Hons) (Health Sciences and Psychology). Science – all other Science and Environmental Science degrees.

University Medal: Susan Malinda Hunt (Chemistry).

Speaker: Professor Peter Sheehan, Pro Vice-Chancellor (Research), University of Queensland.

Thursday 13 May 9.45am: Commerce – Assoc Dip CompAppl, BCom (surnames A-K); MCom and MCom(Hons). Law – GDipLaw.

Speaker: Associate Professor John Steinke, Dean, Faculty of Commerce, University of Wollongong.

Thursday 13 May 2.45pm: Commerce: BCom (surnames L-Z), BCom(Hons); GradDipCom and MBA.

Honorary Award: Emeritus Professor Raymond Chambers (Doctor of Science).

Speaker: Emeritus Professor Raymond Chambers, Department of Accounting, University of Sydney.

Friday 14 May 10am: Education – all Education degrees and diplomas.

Speaker: To be announced.

Please note that entry to each ceremony is by ticket only.

Invitations to academic staff to attend and participate in the academic procession have been distributed.

Staff are advised that parking restrictions will apply in some University carparks on Graduation Days.

General inquiries in relation to Graduation may be directed to Trevor Cuthbertson, ext. 3928, or Olena Cullen, ext. 4136.

How to use new technology in Communications Centre and Hope Theatre

New facilities are being installed in the Hope Theatre and the Communications Centre Theatre One (previously Pentagon One) to provide users with the ability to easily display images from just about any source.

The Communications Centre Theatre One facilities, while not compromising on the diversity of media available, will be slightly smaller than those in the Hope Theatre. Essentially, the facilities comprise two high-powered video projectors capable of projecting images on to large screens behind the presenter.

The images to be projected can come from a variety of devices built into a console/lectern normally at the front of the theatre.

Most readers will already be familiar with the devices available from the console: video recorders, laser disc players, slide projectors and computers, amongst others.

Computer-based simulations, demonstrations and slideshows will be possible using either a colour Apple Macintosh IIvx or a 486 Compaq personal computer.

Computer-based presentations

Computer-based presentations compare favourably with overheads:

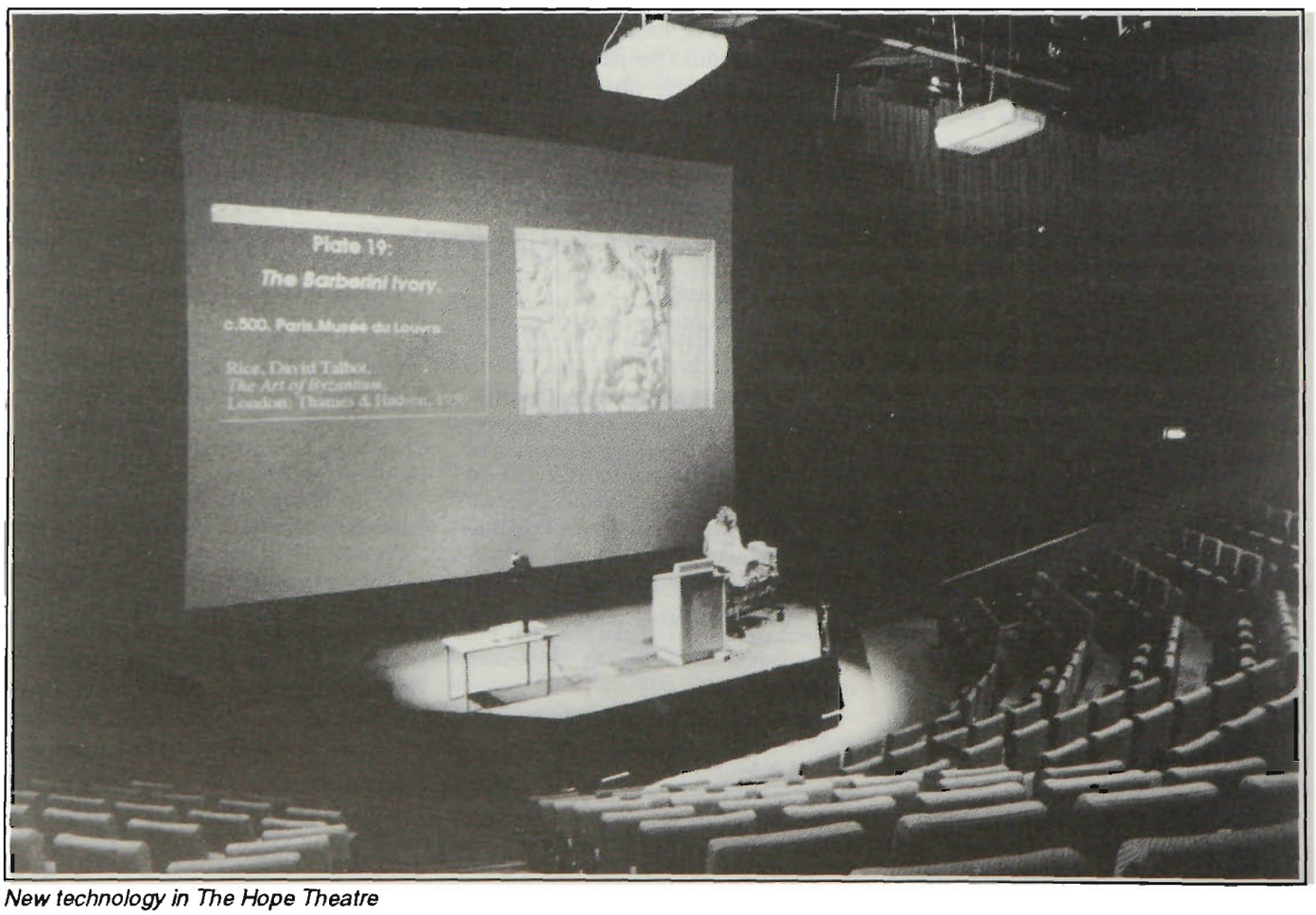
- There is no blinding projection light to be avoided as there is with overheads
- No need to organise large wads of papers or transparencies – everything for the presentation will be on disk (although prints and transparencies of your computer-based presentations can be created if needed)
- The image will be well above the presenter as the projectors are mounted high, so it is impossible for the presenter to get in the way of the projector
- Unlike overheads; animation, sound and colour can be incorporated into the visual presentation.
- Computer-based presentations can be automated to present sequences of animated events or sequences of slides, and can be made to stop at pre-set points until told to proceed. In contrast, transparencies must be changed manually, kept in order and tend to deteriorate with use.
- Computer-based presentations are easily amended from time to time without having to redo the entire presentation as is often the case with transparencies. As a result, it is a simple matter to create specialised modified 'editions' of the presentation in situations where a lecturer is teaching a number of similar, but specialised subjects.
- This is an obvious boon to those who are not entirely satisfied with their handwriting on whiteboards

High quality colour document cameras will be provided as well. This means that you won't have to 'pre-process' material for display before lectures.

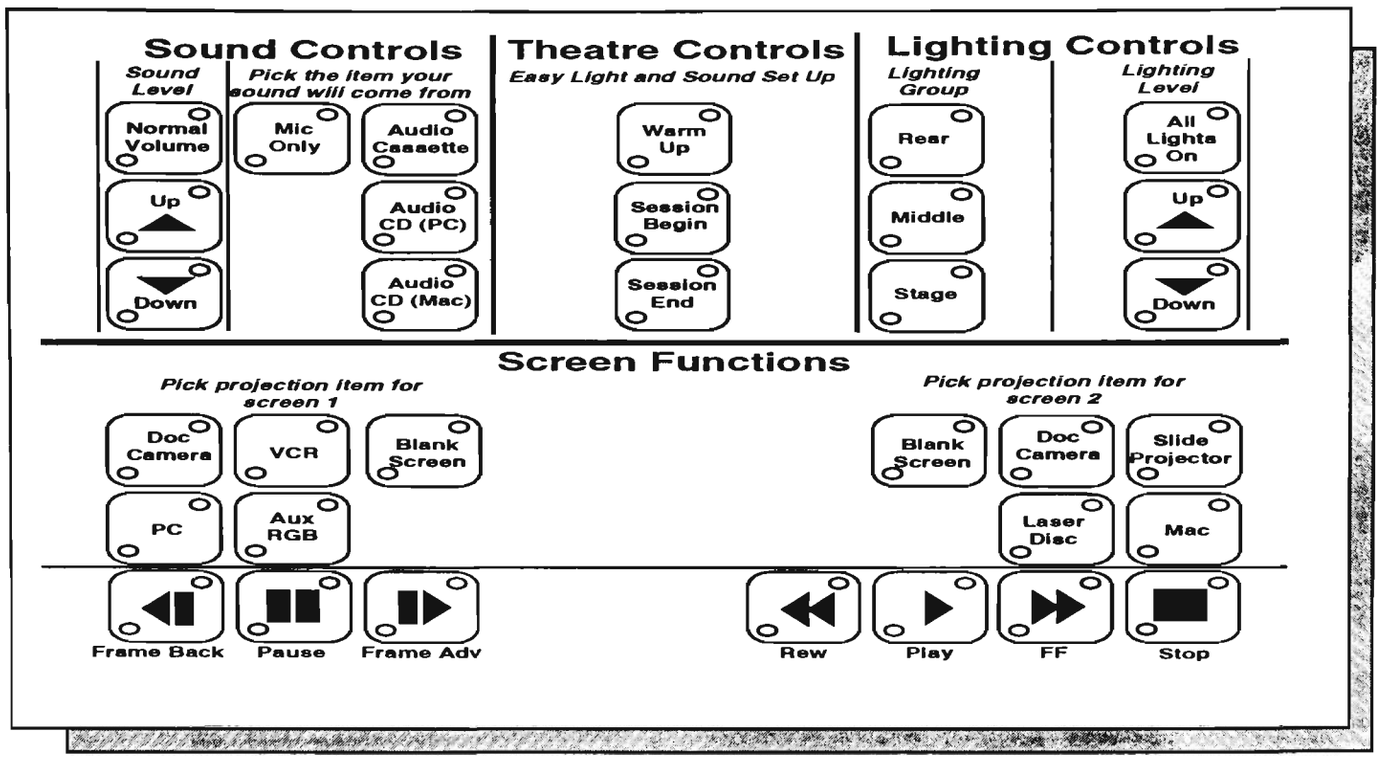
Just about anything you can hold in your hand and look at is ready for sharing with your students.

Items to be displayed can be books, transparencies, photographs, laser-printed notes, even rocks! The document camera looks down on a platform where items to be displayed are placed.

Continued next page



New technology in The Hope Theatre



The document cameras

Some special features of the document cameras are:

- The cameras can be zoomed in on features for close-ups.
- You can set up your work area to suit yourself as the camera position has no affect on the position of the image on the screen.
- Writing to be displayed overhead can be done on ordinary paper.
- There is no need to prepare transparencies.
- Colour images can be projected without preparation.
- Actual objects, (geological samples, for example) rather than photographs of the same, can be easily displayed.

Other devices

Other devices will be included in the console. It is likely you will already be familiar with most of them: microphones (including radio microphones), video recorder, CD players, laserdisc player, slide projectors.

The console

The equipment will be housed in a console at the front of the Communications Centre Theatre One and on the stage at the Hope Theatre.

The devices mentioned in this article can be controlled either directly or from a main control panel mounted on the top of the console.

When productions are underway in the Hope Theatre, the console can be easily disconnected and rolled offstage.

Controls

To make things simple, a single main control panel will be installed in the console from which you can work most of the equipment.

The system will also have presets for normal use such that only the desired item needs to be pressed and lights will be dimmed or brightened automatically.

From the main control panel, you will be able to select the device you wish to be shown on one of the projection screens, as well as controlling the selected devices.

Some details about these controls are:

- The camera has other controls such as zoom and focus.
- Radio microphones will be available which can be worn on clothing.
- Lighting switches and dimmers are such that you can light the rear half, front half or all of the hall, depending on the size of your audience. By keeping the rear of the hall dark, for example, you can discourage your audience from expanding to the rear of the hall where communication may be difficult.

This main control panel will have buttons for rewind, play, fast forward, stop, pause, frame back, and frame advance.

These buttons follow established conventions for both audio and video recorders, and will control these functions on the following devices: video recorders, CD players, slide projectors (next slide/previous slide), laserdisc players, the personal computer, colour Apple Macintosh computer.

The main control panel will also include controls for raising and dimming the lights, and for turning sound volume up and down.

Assistance will be available for a short time to prepare multi-media presentations for display on the system. This includes the preparation of computer-based visual aids and animations.

If you have any queries, suggestions or problems, call Keith Marshall (general enquiries) ext. 4445, or Beth Cavallari (computer-based presentations) ext. 3834.

ITS welcomes any feedback you wish to give us so that we can provide a presentation system which accommodates your specific needs.

We hope that you will explore the potential of the new facilities and that you find that these new facilities make your lectures more effective and easier to give.

Anyone who wishes to create their own personal set-ups which they can call up during their own lectures should contact ITS to discuss their requirements.

IPRL established international role in intelligent materials research

Leading role for Professor Gordon Wallace

Since the introduction of the intelligent materials concept in 1985, the Intelligent Polymers Research Laboratory (IPRL) at the University of Wollongong has been at the frontier of research activities in this area.

The growing acceptance of intelligent materials has seen IPRL play a more international role in recent years.

This role is destined to continue as IPRL forges collaborative research links with other research groups around the globe.

As part of IPRL's continuing contribution Professor Gordon Wallace has been appointed Associate Editor of the Journal of Intelligent Material Systems and Structures and has been elected as Technical Chairman for the second International Conference on Intelligent Materials to be held in the USA in 1994.

In addition IPRL will host the second Asia Pacific Workshop on Intelligent Materials (Focus – The role of polymers) in December 1993.

A fascinating program has been organised and includes speakers from Europe, Japan and the USA and Australia (more details will be available later).

After a successful Academy of Science-sponsored visit to Japan in 1992, Professor Wallace has also established a Japan-USA-Australian collaborative project in the use of intelligent membranes for cell culturing.

The project is sponsored by the US Army Research Office (Far East) and has recently attracted some supporting funds from DITAC.

The project involves Professor Wallace and Dr Hodgson from IPRL, Professor Naoya Ogata and Dr Aoki from Sophia University (Tokyo), Dr I Ahmed (US ARO – Far East) and Dr D. Kaplan (US Army Research Laboratories, Natick USA).

It is the establishment of international collaborative projects such as this that are required to ensure major advances in intelligent materials are achieved in the near future.

Third Regional Poetry Festival

The Wollongong Writers and The Regional Poets Cooperative present The Third Regional Poetry Festival at The Wollongong City Gallery over the June long weekend.

The hours are: Saturday June 12, 10am-10.30pm; Sunday June 13, 10am-10.30pm; Monday June 14, 10am-2pm.

Admission: for the three days $10 concession, $15 full price; daily rate $4 concession, $6 full price.

Featuring readings by regional poetry groups and guest poets, panel discussions and interviews with well-known poets, open readings, a visual poetry competition and book launches, as well as the popular workshop sessions on various aspects of written and performance poetry.

To secure advance tickets contact Ron Pretty, School of Creative Arts, phone 21 3867.

A WINTER'S TALE

by William Shakespeare

Second Year Student Production

A Winter's Tale is a complex and beautiful story of self-examination, growth, renewal and reconciliation. For this production MCA candidate Kristen Murray* has chosen to transpose the setting into modern times in Australia, giving new meaning to the seasonal themes within the play. Modernisation brings to light the timelessness of Shakespeare's themes and creates a tangible connection between the audience and the play.

Dates: 6 May 8pm
7 May 8pm
8 May 2pm, 8pm

Venue: The Performance Space, University of Wollongong

Admission: Adult $14 Concession $6.

Bookings: **(042) 21 4214 Essential**

* *See story page five*

THE CHAPEL PERILOUS

by Dorothy Hewett

Third Year Student Production

The Chapel Perilous, written in 1971, is often regarded as Dorothy Hewett's definitive work. Based on a diary that she kept between the ages of 16 and 19 years, The Chapel Perilous celebrates the life of an emerging female writer as she contends with the forces of convention that surround her. In her inimitable style Dorothy Hewett fills this play with zestful theatricality and provocative songs.

Dates: 26 May 8pm
27 May 8pm
28 May 8pm
29 May 2pm, 8pm

Venue: The Performance Space, University of Wollongong

Admission: Adult $14. Concession $6.

Bookings: **(042) 21 4214**

Space available for use in Sydney

The University Centre, the Sydney base for the University of Wollongong, Charles Sturt University and the University of New England, is a centrally located venue with excellent facilities for holding courses, tutorials, conventions, conferences and board meetings.

There is office space available for University of Wollongong staff to use when in Sydney. Ring (02) 370 6600 to book.

The University Centre News

Michael Copping has recently been appointed as Course Information Officer at The University Centre.

Mr Copping has a background in TAFE NSW where he worked as a Course Information Officer at the Open Training and Education Network, TAFE's distance education college.

He has experience in student administration, information provision, marketing and in public relations.

The University Centre is showing Science and Engineering displays for the University of Wollongong.

The next display scheduled to open on 3 May is Communications and Social Science.

'Ideas for displays are always welcome especially for real life, hands on material,' Mr Copping said.

If any academic staff would like to suggest ideas and contribute material they could let David Fuller, Manager of Planning and Marketing know.

The University Centre recently was host to 'Beyond 2000'.

A film crew looked at video conference technology and compared the large screen system that is common today to a smaller system attached to a personal computer.

Watch 'Beyond 2000' to have a look at The University Centre and what is coming in the near future.

Watch for suspicious behaviour

Staff and students who have any suspicions concerning the activities of persons on the main campus or at any of the external sites should immediately contact University Security.

Should an incident occur nearby or away from our facilities that affects students or staff, inform Security as they would like to know about these activities. However these incidents should be referred to the Local Police immediately.

Early on 5 April, a student who lives at University accommodation left the residence and walked to her place of employment.

During this walk the student believes that she was followed by a vehicle that contained a male driver.

The vehicle was described as a white hatch back with an undescribed decal on the driver's door. The driver is described as male about 50-55 years of age wearing a tartan beret.

On one of the passes made by this vehicle the student believes that the driver spoke to her, but she did not hear what was said.

Should anyone sight this vehicle they are asked to record its registration number and to report the incident immediately to Police.

Students support Sydney 2000 Olympic bid and Year of Indigenous Peoples

More than 110 business and management students gathered at the Fraternity Recreation Club recently to support the Sydney 2000 Olympic Bid and the Year of the Indigenous Peoples.

The dinner was held to mark the start of the International Association for Business and Management Students (AIESEC) Motivational Conference, which was hosted by the group's University of Wollongong operation.

The conference saw students from seven universities in NSW and ACT taking part in professional training seminars for business skills, electing state managers and providing working groups for strategic planning and direction.

The speakers for the opening dinner included Project Officer for the World Indigenous Peoples Conference, Pam Koeneman, and Manager of Community Relations for the Sydney 2000 Olympic Bid, Louise Walsh.

Ms Koeneman stressed the importance of mutual respect for culturalism in the world, and highlighted the themes for the 1993 International Indigenous Conference to be held in Wollongong in December.

The conference aims to further unite the indigenous peoples of the world, initiate the drafting of indigenous education rights, and to further develop learning and life experiences between the world's indigenous people and their supporters.

Ms Walsh generated enthusiasm for the Sydney 2000 Olympics, which proved to be successful among the students.

Ms Walsh highlighted the benefits of Sydney hosting the Games in 2000, particularly those advantages for university students.

These included the creation of 35,000 jobs in the next 10 years, an increase in tourism for Sydney and surrounding areas, particularly the South Coast, and a rare opportunity to participate and see world-class athletes competing live in this international event.

The AIESEC Motivational Conference was held from 13-17 April at the Yallah Conference Centre.

The student-run organisation is non-profitable and welcomes sponsorship and assistance from academic and corporate bodies.

Anyone wishing to assist in the form of financial support or professional experience is welcome to contact the group on 21 4032.

What's On

HOPE THEATRE

Bookings phone 21 4214
Western Entrance, Northfields Avenue.

17-29 May, **The Chapel Perilous**, John Senczuk. 30 May: **Illawarra Choral Society Performance**, 5-9pm. 5-7 June: **Regional Poets Co-op Conference**, 9am-10.30pm, Ron Pretty.

LONG GALLERY

Until 2 May: Exhibition of postgraduate works by **Barry Gazzard** and **Norio Takamiya.**

6-23 May: Exhibition of works by **Diana Wood Conroy, Dimity Figner** and tapestries by **Tass Mavrogordato.**

28 May-20 June: 'Them and Us'. Environmental exhibition, "Aquarelle" watercolours by Jelle van den Berg and visual poetry exhibition.

28 May - 2 June: *Crossing Cultures* An exhibition of works by International Students. (Also exhibiting at the Illawarra Technology Centre from 11-25 June)

ART OF LUNCH

Music auditorium 12.30pm.

6 May: Pianist Colin Spiers, visting from Newcastle Conservatorium.

11 May: Artists Talk. Presentation by Liz Jenied.

13 May: Poets' Choice. Ron Pretty and Joanne Burns read from their favourite literature.

18 May: Artists Talks. Film *A Man is Not a Woman*. Introduced by Sue Rowley.

20 May: Duo Alessio Bacci (flute) and Massimo Caselli (piano) collaborate in works by Messiaen and Schultz.

25 May: Artists Talks. Presented by Lesley Goldacre.

27 May: Scottish concert pianist Roy Howat in a return recital.

GENERAL

The Department of Biological Sciences is holding a series of seminars titled **'The Cell and Molecular Evening Seminar Series'**. The next seminar is on 10 May. The Calbiochem Seminar on Cell Signalling will be given by Dr Michael Crouch, from the John Curtin School of Medical research, ACT. The seminar is titled 'How G Proteins tell cells where to go'. The seminar will be held in Building 35, Room 105 from 8pm with drinks to follow. Enquiries: Julie-Ann Green, ext. 3427.

Illawarra Committee for Overseas Students events for this year are: 8 May, Canberra (Adults $12, Children $10); 9 May, Blue Mountains; 31 July and 7 August, Snowy Mountains; 18 September, Blue Mountains; 26 and 27 September, Canberra; 16 October, Sydney Aquarium and harbour cruise; 4 December, Australia's Wonderland. Tickets and details are available from ICOS office, 3rd Floor, Union Retail Centre on Tuesday, Wednesday and Friday from 9.30am to 2pm or phone 21 3158.

19 May: The Recreation and Aquatic Centre in conjunction with the Royal Blind Society will hold a two-hour **Aerobathon** from 4.40pm-6.40pm in the Sports Hall. A donation will be required. (No multi-visit cards accepted for this class).

Considering further study or just some recreational reading? Visit the **University Graduates bookshop and gallery book sale** at Campus East, Fairy Meadow. The stock of used books covers: Science & Engineering, Social Sciences, Arts & Music, Education, Fiction & Non-Fiction, Young Readers' Stories & Classics. Open every fourth Saturday and Sunday from 1-5pm, the bookshop is located at Cowper Street, Fairy Meadow (opposite the Science Centre). Your donations of any material are invited. These may be left any weekend afternoon at the Science Centre (Please mark "Booksale"), or The Library or Students Enquiry Desk during the week.

Animal Experimentation Ethics Committee meeting dates, with agenda deadlines in brackets, are: 24 May (14 May); 9 August (30 July); 22 November (12 November).

Human Experimentation Ethics Committee meeting dates with agenda deadlines in brackets are: 25 May (11 May); 13 July (29 June); 24 August (10 August); 5 October (21 September); 16 November (2 November); 21 December (7 December).

Submission of papers for the **Undergraduate Studies Committee** must be given to Trevor James by 5pm, on the following dates: 11 May, 29 June, 1 September and 26 October.

Combined Economics Department and Associated Research Programs

The Department of Economics in association with its various research programs and groups has arranged a series of seminars during the Autumn Session on several topics.

Visitors are welcome to attend the seminars, which will be held on Wednesday from 11.30am-1pm in Building 40, Room 124. The program is:

7 April: Professor M Kemp (University of NSW). Gains from International Trade – What have we learnt from Adam Smith?

21 April: Associate Professor D.P. Chaudhri (University of Wollongong). Productivity Trends in Asian Agriculture, 1951-1988.

5 May: Senior Lecturer Y. Varoufakis (University of Sydney). Title to be announced. This seminar will begin at 12pm for this week only.

12 May: Associate Professor G Battese (University of New England). A generalised stochastic frontier production function with time–varying inefficency effects.

19 May: Mr D McKay (University of Wollongong). Regional impacts of overseas students studying at the University of Wollongong.

26 May: Associate Profesor M Metwally(University of Wollongong). An investigation of advertising rivalry in the Australian banking industry.

2 June: Dr S Dowrick (Australian National University). Title to be announced.

For additional information contact Ms Nadia Verrucci, phone (042) 213 666 or ext. 3666.

Stop Press

Student election results

The new SRC Executive is: President Greg Singh, Vice-President Samantha Asimakoula, Hon. Secretary Katie Millington, Hon. Treasurer Scott Denton, Activities David (Trent) Twyford, Education Juan Medin, Media Jason Dickie, Welfare Angela Mintzas, Women Ngoc Hong Tran, Environment Carl Runeson.

***Campus News* is published weekly on Wednesdays. Send material, preferably by Microsoft Mail or on disk, to Gillian Curtis (042) 21 3110 by noon on Monday of the week before that of publication**