UNIVERSITY OF WOLLONGONG

CAMPUS NEWS

Number 23 Wednesday, 9 September 1992

MOLAB takes shape

Construction of the University's Multimedia and Open Learning Laboratory, MOLAB, will begin in November.

At present MOLAB operates out of temporary facilities in the Illawarra Technology Centre.

The $4 million MOLAB building will be located on the north-west end of the Pentagon, and will involve literally raising the roof of Pentagon I, to equip it as a state of the art hi-tech multimedia presentation theatre.

The early start on MOLAB is possible because of a special $2 million capital grant from the Federal Government.

The University Foundation has accepted the challenge to raise the remaining $2 million.

MOLAB will provide facilities for the integration of keyboard-manipulated text, sound and video in single teaching/learning instruments, for classroom or personal use.

Pentagon I will be equipped for television production in three modes:

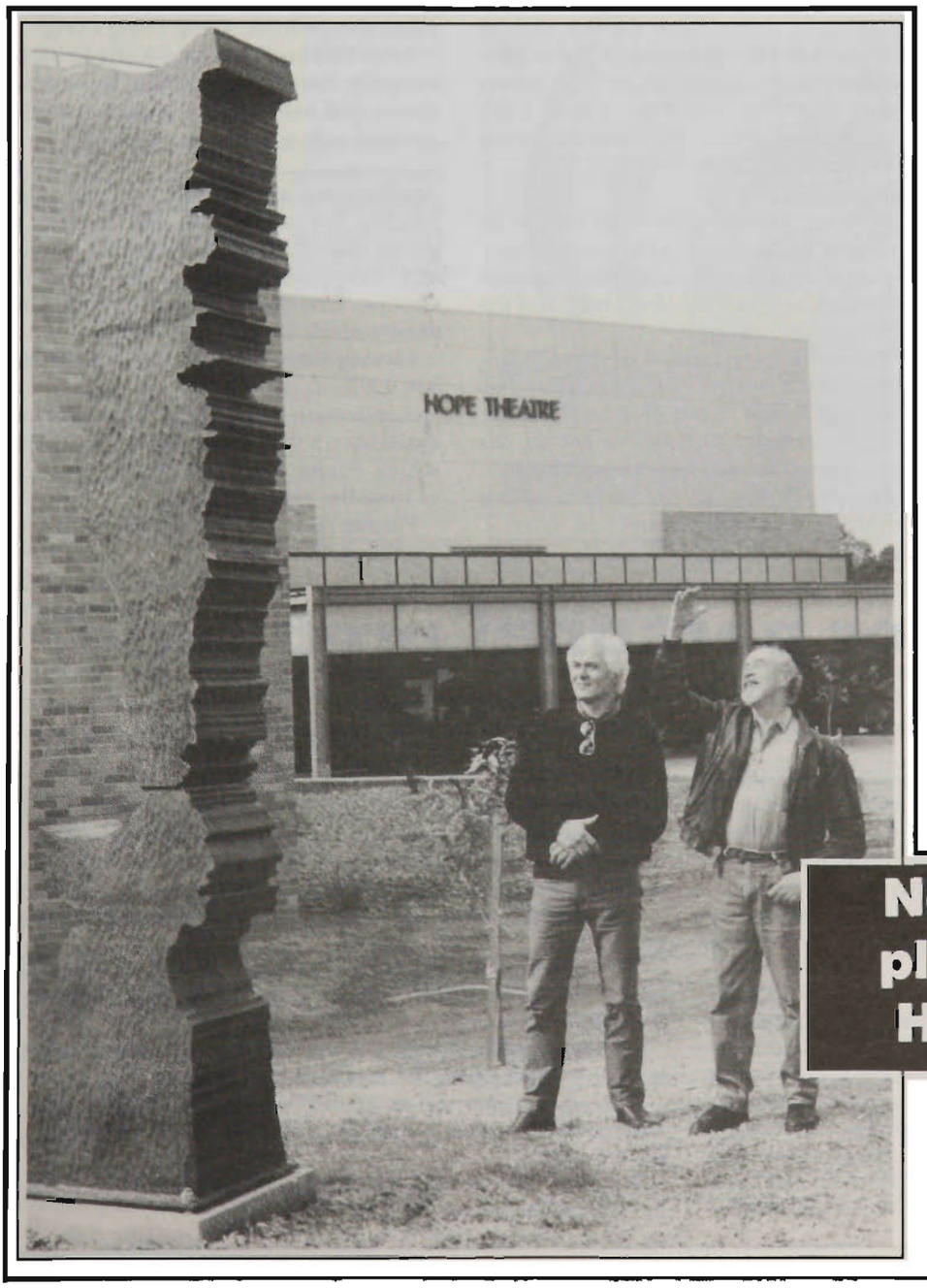
- production of 'to-air' TV product;
- production of supplementary teaching material, and recording of special lectures and presentations;
- production of video clips for incorporation in multimedia productions.

The University of Wollongong is already regarded as a national leader in multimedia production, with research and development teams active in all Faculties, and in ITS.

In order that TV product can be developed immediately, a temporary TV production centre has been established in the ITC, incorporating the University's videoconferencing capability.

The TV production facility may be booked by contacting ext. 3140.

Overall responsibility for coordinating the University's new multimedia, open learning and TV production developments lies with the Pro Vice-Chancellor, Professor Lauchlan Chipman.



New sculpture placed outside Hope Theatre

The University has acquired a work by sculpture Adrian Mauriks called 'The Oldest Man'. This handsome addition to the Campus has been placed outside the Hope Theatre. Pictured, Adrian Mauriks (left) with fellow sculpture Bert Flugelman.

Brief News

Congratulations to all those involved in organising yet another successful Open Day on Sunday 30 August.

Each year many people give their time and energy (often voluntarily) organising activities that will inform and entertain the public and present the University at its best.

The campus looked superb and drew admiring comments from visitors.

A family picnic atmosphere was created as groups took advantage of the many scenic spots to enjoy refreshments.

A welcome addition this year was the increased involvement by students who provided general information, sausage sizzles,entertainment and other activities.

The sessions for prospective students were well attended and *The trial of Goldilocks*, organised by the Faculty of Law, was a particularly popular event.

A PhD student in the Department of Geology has won a book of the year prize in Iran.

Hossein Memarian (and co-author M. Sedaghat) have published a two-volume work entitled 'Physical Geology', 1424 pages, Payame Noor University Press, Tehran, 1990. The book was chosen from all the academic books in the earth science published during 1990-1991.

A copy is available in the Department of Geology for interested readers.

Dr Penelope Murphy of the Centre for Research Policy gave a paper at the University of Papua New Guinea Faculty of Education's 13th Extraordinary Meeting.

The theme of the conference was Participating in Educational Change: Possibilities, Issues and Experiences.

Dr Murphy spoke on the topic of Planning as Learning and the Importance of Participation.

Her paper was based on her research and professional experience of higher education planning in Papua New Guinea and, in particular, the development of Papua New Guinea's first national Higher Education Plan 1986-1990, in which she played a key role. Dr Murphy's travel and other expenses were met by AIDAB.

The Navy Hydrographic office will be locating in Wollongong in the near future.

This affords opportunities for collaborative work between the University and the Hydrographic office.

To ensure co-ordination of this collaboration, the Deputy Vice-Chancellor has asked Professor Tibor Rozgonyi, Dean, Faculty of Engineering, to act as co-ordinator on behalf of the University.

Approach the Hydrographic office through Professor Rozgonyi.

Lord Mayor Alderman David Campbell enjoyed the Japanese tea ceremony in the Hope Theatre which was part of an evening of Japanese culture presented by the Takatsu Ward Cultural Association from Wollongong's sister city Kawasaki.

Campus News believes the Hope Theatre saw its first standing ovation on Thursday 27 August at the concert presented by the winner of the fifth Sydney International piano competition, Xiang-Dong Kong.

After four encores Xiang-Kong Dong reluctantly closed the piano lid, but the audience still held him on stage for several minutes with enthusiastic applause.

Applications are invited for University funding for new grants and renewal of grants in the following categories: University Programs/Groups/Development Groups; University Project Grants; University Small Grants (up to $500)

Closing date for applications is 9 October, 1992.

Application forms and guidelines are available on the Admin Server in the Research Folder, under Public Information, or from the Research Office.

Further information is also available from the Research Office.

Need help for personal problems?

There are times when nothing seems to go right - when everything seems to build up and when every situation brings problems.

This makes us feel stressed and anxious.

Sometimes we can deal with these issues ourselves, one by one, but there are other times when we simply can't see a way out.

This is when we should consider talking to some about the problems we have; someone who is totally disconnected from the issues; someone who is independent and objective.

The University of Wollongong makes this sort of assistance available to all employees and their family members through the Employee Assistance Program.

The EAP has been in operation since 1990 and has been able to assist scores of University employees both Academic and General Staff. The program offers free, confidential and professional counselling to all employees and members of their families.

EAP services can provide assistance for a wide range of personal difficulties such as: marriage and family problems; problems with children; emotional stress; coping with change; career and work related issues; interpersonal conflicts; financial and legal worries; relocation concerns; life threatening illness; and alcohol and other drug problems.

These are only some of the problems which people may have.

No problem is too small to take advantage of the EAP services.

Quite often small problems can develop into large problems. So gaining some practical strategies for dealing with these smaller issues can alleviate a great deal of unnecessary anxiety.

Employees have the choice of utilising services offered by the Industrial Program Service (IPS).

This is additional to and augments those presently provided on campus.

IPS is a non-profit government subsided organisation whose operations are endorsed by the CAI, ACTU and both State and Federal Governments.

IPS is independent of the University. Their offices are located in Central Wollongong at Level 5, 90 Crown Street.

IPS can be contacted on 24 5417 or toll free (008) 45 1138, alternatively you may contact the University Counselling Service, ext. 3445.

For further information on the programs, contact Ann Kiceluk in Personnel Services, ext. 4284.

Eminent scientist adds to cancer research effort

Three-times award-winning research scientist, Dr Mark Baker, has recently joined the staff of the Biology Department.

His research will contribute to the prestige already associated with the medical research effort in the region.

Dr Baker has dealt primarily with the mechanism of malignant cancer spread (metastasize) through the body and the prevention of this spread into normal healthy tissue.

The way malignant cancer cells cross normal cell tissue barriers and spread to distant organs is to initially detach from a primary tumour mass.

They then dissolve the "matrix" (composed of collagens, proteins and fibers) which surround and supports all cells and tissues of the body.

Once the matrix is degraded, the cancer cells can then invade much deeper tissue and reach the blood and lymphatic drainage systems where they can travel around the body and create a secondary tumour mass.

Dr Baker, and other international researchers, believe a specific protein – urokinase plasminogen activator (uPA) – which is bound to the surface of malignant cancer cells that is a principle component responsible for cancer spread.

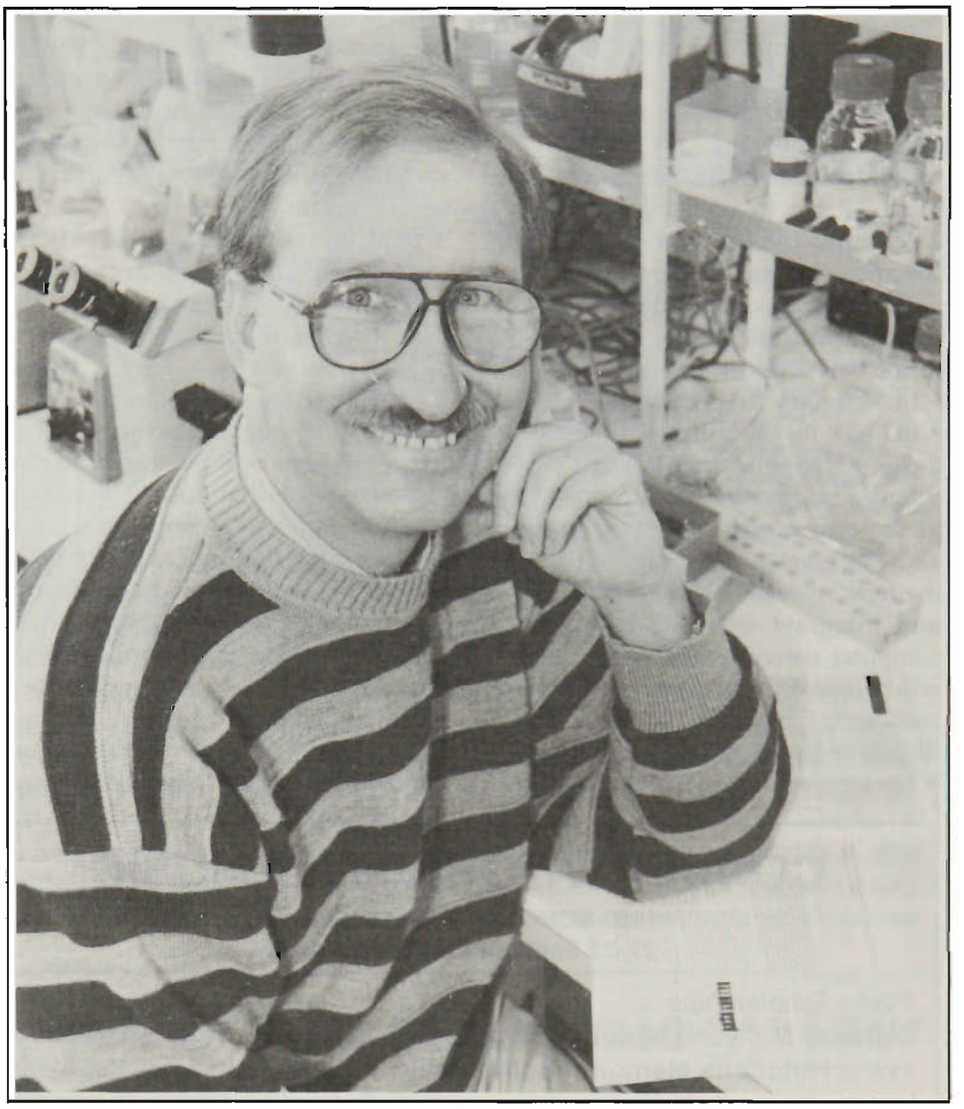
This protease catalyses a series of reactions which leads to the direct destruction of the important matrix components.

Normally uPA is modified by an inhibitor-making it innocuous. The gene which manufactures this inhibitor, plasmingoen activator inhibitor-2 (PAI-2, pronounced *pie*-2) was first isolated and localised by Dr Baker on the eighteenth human chromosome.

In collaboration with a Sydney-based biotechnology company, Biotech Australia, Dr Baker and his associates have used genetic recombinant techniques to manufacture the PAI-2, using the human PAI-2 gene and E. Coli.

Trial tests conducted on artificial tissues and model cell systems have proved PAI-2 overwhelmingly successful in stopping the spread of cancer.

Dr Baker has been awarded two International Young Investigative awards (in 1988 and 1990) for his research in free-radical cartilage injury from arthritis.



Award-winning research scientist, Dr Mark Baker, who has recently joined the staff of the Biology Department

In 1991 he was awarded the Howard Florey Award (deriving its name from an Australian Nobel Prize-winning medical researcher) from ANU for outstanding scientific achievement by a young Australian scientist.

Dr Baker's research was previously funded by ANU, charities and local benefactors in the Canberra area.

His recruitment to the Department of Biology within the University of Wollongong strengthens the University's emerging role in biotechnology-related teaching and research.

Dr Baker said: 'Cancer researchers have reached an exciting stage in this very difficult area.

'In the next 25-50 years we will see great leaps forward in the way we detect, diagnose and treat the common malignant tumours including breast, bladder and colonic cancer.

'One way we can continue to pursue this sort of novel research is if we continue to attract adequate funding.'

Dr Baker is hoping to attract some local support and funding.

At present, his research is funded by NHMRC, the Cancer Council and international biotechnology companies, although he would prefer regional support.

He believes that with the help of Illawarra funding, his research could put the region on the map as a centre of eminent cancer research.

Admininstrative Information Services update

A recent article in Campus News mentioned that the University administrative computing systems are being reviewed with a view to replacing them with up-to date-systems.

A steering committee with the brief of determining the computing requirements of the University's administration was established.

Under its umbrella, working parties were set up to investigate user requirements and to prepare new system specifications and designs.

The steering committee formulated strategic principles for the development of administrative information systems.

In summary these state that:

• In line with the University's policy of devolved administrative activities, we progress from centrally-oriented systems to those of a more distributed nature allowing greater user accessibility. Thus the new systems will need to connect and integrate over the University's computer network (TCP/IP based). It will be necessary for the network to have sufficient capacity to enable the spread of distributed systems;

• The University will use the CASMAC (Core Australian Specification for Management and Administrative Computing in Australian Universities) as the basis for the design and development of the new systems. CASMAC is the specification resulting from an AVCC and DEET supported project to identify a common core of management and administrative information system requirements for the Australian tertiary sector.

• The University will, wherever possible, acquire existing software packages built on modern design principles (based on fourth generation languages and relational database technology) and the tools necessary to tailor to University specific user requirements.

• The systems will be able to exploit "client-server" computing; that is to provide simple-to-use, department specific applications which run on desktop micro-computers and access information from the centralised database. These applications would use the features of the desktop computer (e.g. graphics, 'point and click').

It was decided to concentrate on four main applications: student, finance, human resources and physical resources.

The working parties, by meeting with users not only in administration but also in academic areas and by holding joint application development sessions, prepared the first stages of system specifications.

It will not, of course, be possible to install all four applications together and an implementation schedule probably spanning three to five years will need to be determined.

A comprehensive request for tender for a complete integrated solution (to include both hardware and software) was prepared and advertised in August.

Responses have been numerous and while it would appear unlikely that although there is a single solution satisfying all our requirements, there are some interesting possibilities.

Tenders closed on 4 September. An evaluation group is determining the best possible solution.

It is hoped that the end of 1992 will see us with decisions made and on the way towards implementing a new administrative computing system.

CONSERVATORIUM OF MUSIC

1993 SCHOLARSHIP AUDITIONS
22-23 September, Gleniffer Brae

Piano Scholarships

Dr Harry Maldon Memorial Scholarship $1000
Frank Hutchens Memorial Scholarship $200

String Scholarships

Bessie Foskett Memorial Scholarship $1300

Special Scholarships

Noel Lamerton Memorial Scholarship $1000

Open to any form of study other than piano and strings. Note: This scholarship could be a shared award at the judge's decision.

Parson's Encouragement Award $360

BHP Developmental Scholarships

Please obtain and lodge at the office the separate *BHP Youth Orchestra* Scholarship form. The scholarship awards will be announced towards the end of the year.

Preliminary Auditions

Tuesday, 22 September - General - Vocal, Wind, Brass, Guitar, Speech and Drama
Wednesday, 23 September - Piano & Strings

Closing Date: 7 September
Scholarship Finalists' Concert: Saturday, 26 September, 7.30 pm

Applications forms available from the Conservatorium Office
Enquiries, tel. 28-1122 or 21-3533

University of Wollongong
CONSERVATORIUM OF MUSIC

CHILDHOOD MUSIC EDUCATION EMPLOYMENT OPPORTUNITY
(Wollongong/Kiama 1993)

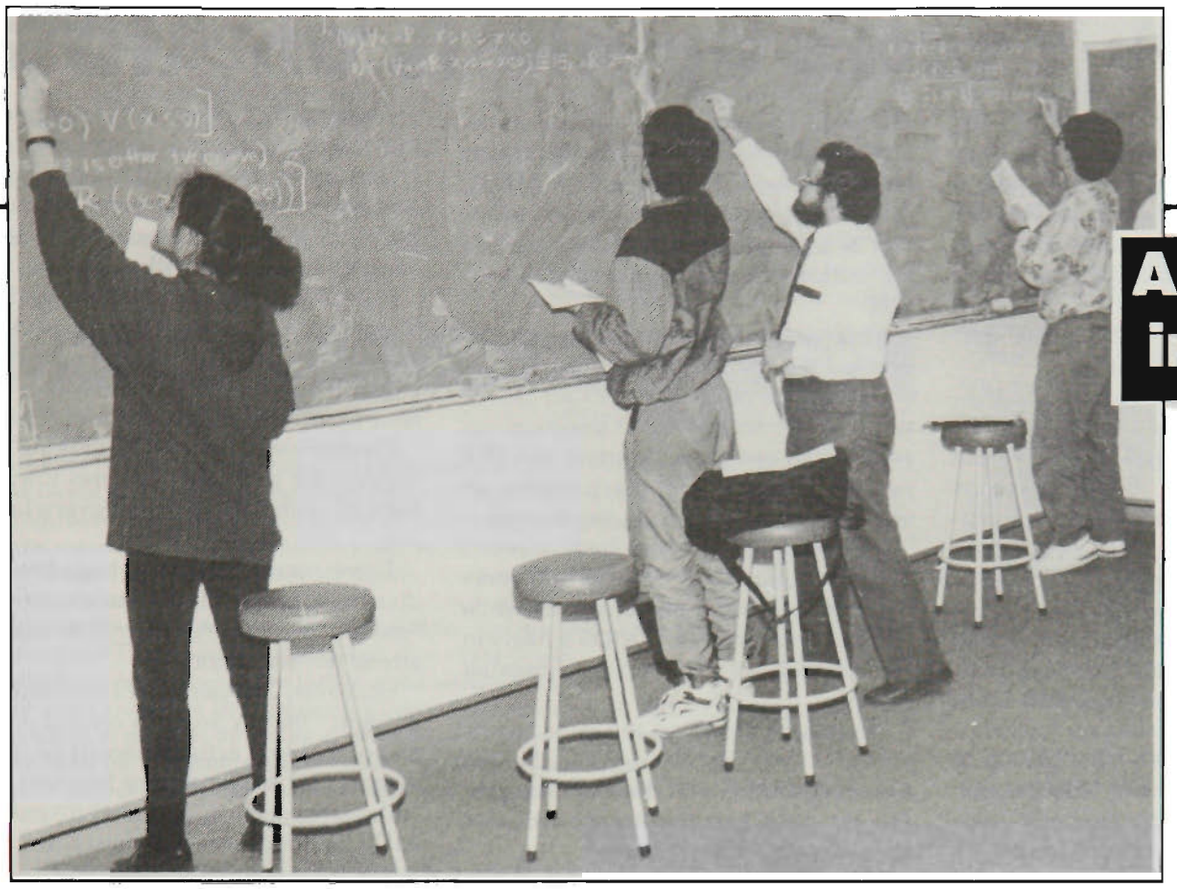
WORKSHOP
24th/25th October, 1992

The Wollongong Conservatorium of Music will conduct a Children's Music Education Program training workshop on 24-25 October. Practical lecture demonstrations will cover hands-on experience with a number of musical instruments.

Desirable Qualifications: A working knowledge of three or more instrumental studies; experience with class/group teaching.

All applicants will be interviewed prior to acceptance into the workshop. Applicants close 18 September.

Enquiries and application forms, contact Conservatorium of Music, tel. 28-1122



A stitch in time

Dean of the Faculty of Informatics, Professor Sid Morris (third from left) on hand to help students enrolled in a first year subject, Discrete Mathematics, especially designed for students who do not have a background in calculus

The Faculty of Informatics has removed the desks and chairs and lined all the walls with blackboards in a new style tutorial room for mathematics students.

The students spend their 50-minute tutorial working on problems on the blackboard.

This arrangement puts an end to maths students sitting crouched over their papers 'pretending' to be working on a question when in fact they are confused and too shy to ask for help.

The tutor can see at a glance who is having difficulty with a problem and who is ready for additional work.

Dean of the Faculty of Informatics, Professor Sid Morris, said the room also encouraged students to work together in a relaxed atmosphere.

'Both students and staff have adapted quickly to this arrangement,' he said. 'We are now looking at converting another room so that more mathematics tutorials can be conducted in this manner.'

Recent developments in technology law

A series of seminars on recent developments in technology law was successfully concluded at the University Centre in Sydney last month.

The seminar series was launched on 12 August by the Vice-Chancellor, Professor Ken McKinnon, and chaired by Ian Reinecke of the Illawarra Technology Centre.

The three-part seminar program was organised by the Faculty of Law in consultation with Gilbert and Tobin, Information Technology Lawyers.

The project represents a joint initiaitve designed to establish a continuing education program in touch with the practical legal realities facing those involved in the commercialistion of information technologies.

Major speakers at the seminars included leading patent lawyer Darryl Mischlewski, of Watermark Patent Attorneys; Ted Pretty, Senior Partner, Gilbert and Tobin Solicitors; and Anne Caine, Principal Legal Officer, Attorney General's Department Canberra.

The papers presented covered a range of key areas relating to transaction management in the area of information technology.

Mr Pretty began proceedings by taking the audience through the basic principles of deal making and the need to beware the 'Seven Myths of Contract'.

Moving to the topic of technology and patents, Mr Mischlewski provided some revealing insights into how patents can maximise market success, and how researchers can enhance financial returns from inventions.

Ms Caine's focus was on the changing nature of Commonwealth Governement contracting in the area of information technology.

Her presentation provided a valuable review and update on the standard Government Information Technology Conditions generally utilised in information technology agreements with the Commonwealth.

Other topics covered in the seminar series were:

- systems integration and outsourcing
- tax incentives for research and development
- a user-friendly A-Z of legal protections in the area of information technology
- protecting against privacy infringement through "best commercial practice".

Each seminar has been video recorded, and copies of seminar papers can be obtained by contacting Maria Agnew of the Faculty of Law on (042) 21 3456.

Survey shows opinions on AIDS

A recent report by Betty Gill, Lecturer, Faculty of Health, University of Western Sydney Macarthur, was commissioned by the Healthy Cities Illawarra AIDS Task Force in order to gauge the knowledge and attitudes to AIDS of a cross-section of Illawarra residents.

Some members of the University staff formed part of this sample.

Because of the somewhat unrepresentative nature of the sample it cannot be categorically related to the whole population, however, the 224 persons who were sampled were sufficiently representative to provide some guidance to the task force as to where and how to target community education.

As would be expected, knowledge about AIDS was greater and more accurate among those who had had more formal education.

Younger persons also were generally more knowledgeable than older people.

There was some understandable scepticism that health workers may not be "telling the whole truth" about AIDS and its transmission.

Only 13.5 per cent of the sample saw as a significant risk "using a toilet which has been used by someone with AIDS", however, it is a cause for some concern that 29.5 per cent considered there was a significant risk in giving a blood donation.

Ninety-six per cent of the sample recognised the risk to intravenous drug users who share needles, and 95 per cent of respondents accepted that infection can result from one sexual contact and 88.6 per cent accepted that condoms are an effective strategy for reducing the risk.

Interestingly, 87.4 per cent believed having multiple heterosexual partners without using condoms hazardous, while 63.1 per cent agreed that AIDS is likely to become a relatively common heterosexual disease.

As regards attitudes, the same trends appear as with knowledge, i.e. the less formal education and the older the person, the more negative are the attitudes to AIDS and AIDS sufferers.

Males showed significantly more negative attitudes than females

A total of 32.1 per cent of respondents said they would avoid close contact with an acquaintance with AIDS and 27.6 per cent stated that "concern for their own health would prevent them from associating with a person with AIDS".

Just on 55.2 per cent considered "that people who have contracted the AIDS virus should inform all around them", which is contrary to Human Rights and Anti-Discrimination Legislation.

Nevertheless, it was encouraging that support for punitive measures towards persons with AIDS was not overwhelming.

There was a relatively high level of disagreement with the statement that "children with the AIDS virus should not attend normal schools".

However, 27.3 per cent of respondents thought "that in order to control AIDS, all homosexual activity should be made illegal" and 20.05 per cent believed that "intravenous drug users who contract AIDS do not deserve medical care".

It is understandable that 85 per cent of respondents agreed that they found "the whole idea of AIDS very frightening".

Only 12.9 per cent of respondents indicated they knew or had known a person with the AIDS virus. while 61.2 per cent indicated they knew someone who was a homosexual.

Only 8.9 per cent indicated they had ever been to an AIDS workshop or seminar. Four per cent of the total sample reported discussing AIDS with their doctor.

Encouragingly, 74.1 per cent of respondents indicated they would like to know more about AIDS.

The media, particularly television, newspapers and magazines, were their greatest source of AIDS information.

The University of Wollongong has an AIDS policy and is committed to providing accurate information about AIDS and its transmission to staff and students.

The prediction by the World Health Organisation that one in 50 people throughout the world will be infected by AIDS by the year 2000 means we need to renew our educative efforts.

We are re-activating our AIDS Education Committee. The University community can expect to hear more from us in the near future.

If you would like a copy of the University's policy, it is available through Personel Services or the Equal Opportunity Unit.

Dr Peg MacLeod
Equal Opportunity Co-ordinator

Receiving the awards for their department or units are Lionel Ransley (Printery), Tony Hulbert (Biology), and Eric Young (Maintenance Workshop).

Commendations for safety awareness

Since its inception, the Occupational Health and Safety Committee has regularly inspected buildings and grounds on campus.

The purpose of these site safety inspections is to highlight unsafe situations and potential hazards and to assist in the development of a safe working environment.

The Maintenance Workshop, Printery and the Biology Department have achieved a high level of safety awareness and have demonstrated a keen interest in and attention to safety issues within the University and were commended for their achievements with a presentation of Certificates of Commendation.

The certificates were presented by the Director of the National Safety Council, Dr Pat Copping, on 13 August. Dr Copping delivered an enthusiastic address on the changes in Occupational Health in the workplace generally and specifically in the University environment.

Funding for staff development programs

The University has received funding of $271,600 from the Office of the Staff Development Fund Committee for two staff development programs.

A submission co-ordinated by Dr Peg MacLeod for Academic Women Staff Career Development was successful in attracting $199,000.

These funds will be used to provide academic women staff with the opportunity to undertake postgraduate research or study for up to one semester full-time, and to provide a thesis and research support network.

The Vice-Chancellor's Forum held last year on Equal Opportunity issues revealed that a major difficulty for academic women staff working towards a higher degree was the lack of quality time due to high teaching loads and family responsibilities.

This project will also assist in addressing any research deficits in University faculties or departments due to their recent establishment, a predominance of female staff, relatively high teaching loads or other factors such as remnants of a CAE culture.

The second project, coordinated by Dr John Panter, has attracted funds of $72,600 for the Management Development of Academic Staff below associate professor.

Management development of academic staff is in its infancy in Australian Universities and has tended to concentrate on already appointed Deans and other Heads of units.

There is great scope to develop staff at a more junior level to equip them to take up appointments with managerial responsibilities.

Women especially are under represented at senior academic levels and need career development and opportunities to take up leadership roles. Fifty per cent of places on the program will be reserved for female participants.

More good news for academic women

Completing a Doctorate is seen by staff and the University as a high priority for achieving career advancement.

However full-time employment and doctoral studies are a difficult combination.

The Union Women's Sub-Committee formed the view that many women on staff with heavy teaching loads find it difficult to find the time - especially uninterrupted 'quality' time - for their doctoral research, given the demands that they face as employees of the University.

The Committee was awarded an Equity Grant of $16,000 towards relief from teaching duties for female academic staff in order that they might complete or further their doctoral work. Priority was given to those who could see the light at the end of the tunnel in the hope that the grant might assist in the completion of the thesis.

A clear run is particularly valuable at the write-up stage.

The many enquiries and applications from women received by the Committee, and the expressions of support by Heads of relevant units, clearly indicates the perceived value of this support for academic staff undertaking postgraduate studies.

Carole Alcock, Mary Day, Jenny Hammond, Mary Harris, Toni O'Neill, Julie Steele and Barbara Tooth have been awarded grants.

National society elects Mary Harris as chairperson

Co-ordinator of the Postgraduate Program in Health Policy and Management, Mary Harris is the new national chairperson of the reconstituted Society for Health Administration Programs in Education (SHAPE).

Ms Harris was elected at SHAPE's first national workshop, held in Melbourne on 19-20 June.

SHAPE membership is open to all university teaching programs in health service management in Australia and New Zealand.

Its aim is to promote collegiate activities among health service management educators and to develop improved educational practices with a view to providing more competent managers and, in the process, improving the quality of health care in Australia and New Zealand.

At the 1992 workshop reports were received from the five Australian states with academic programs in health service management and from the two programs in New Zealand.

Ms Harris, formerly co-ordinator of the postgraduate program in health service management of the University of South Australia, Elton Mayo School of Management, has taught in the Faculty of Health and Behavioural Science at Wollongong since February 1991.

'The professional nature of the health workforce and the specific needs of ill patients will continue to make health organisations different from other businesses,' Ms Harris said.

'As such health service managers need to be competent in negotiating with highly skilled professionals, people skills for building commitment to the changing values and goals of the health care organisation, technical skills related to controlling quality patient care and resources and conceptual abilities suitable to addressing the significant challenges confronting health service managers in the resource-tight nineties.'

SHAPE has articulated its mission as the promotion of excellence in health service management education in the region of Australia, New Zealand, Asia and the Pacific.

Ms Harris aims to lead by interpreting excellence as:

- Commitment to quality improvement in health service management education;
- The evaluation of different teaching methodologies and;
- The further definition of key competencies.

Key strategies for the next two years are:

a) raising the profile and standard of health service management education through collaborative research,

b) fostering state-of-the-art education in health service management through information exchange between university programs and professional industry related associations and

c) supporting educators through special interest group activities and the identification and publication of topical case-studies.

Mary Harris

Special interest groups include health policy, planning and evaluation, organisational innovation and performance, workforce planning and management, decision-making and ethics, health law, financial management and health information systems.

• **The Changing idea of an Australian university**: Humanitities Research Centre, Australian National University colloquium to be held at Macquarie University 16 September. Further detail and registration form available from Planning and Marketing, ext. 3110

• **Upcoming Illawarra Committee for Overseas Students** events are: 19 September, Canberra; 11 October, Harbour Cruise and Sydney Aquarium; 5 December, Australia's Wonderland. Tickets and details are available from the ICOS office in the Union Building next to the Careers and Appointments Service, Tuesday, Wednesday and Friday, 9.30am-2pm. Tel. (042) 21 3158 or ext. 3158.

What's On

• The Royal Society for the Encouragement of Arts, Manufactures and Commerce lecture by Rt Hon Sir Zelman Cowan, **Australia - Looking Ahead to the 21st Century**, will be held on 1 October, at 8pm, in Maclaurin Hall, University of Sydney. Tickets (free) from The Secretary, NSW Chapter RSA PO Box 83, Rockdale, NSW 2216.

• **Australian Computer Conference on Information Systems** hosted by the Department of Business Systems 5-8 October at the University of Wollongong. Enquiries to Gaye Herbert (042) 21 3958.

• **1992 Graduation Ceremony**: 8-9 October.

• Agenda deadlines for the 1992 **Human Experimentation Ethics Committee meetings** are: 24 October, 5 December. It will no longer be possible to table late items. Late applications will be held over until the next meeting. Contact Kim Roser, ext. 3079.

• The **Annual International Development Program National Conference on International Education** is being held 27-29 October at the National Convention Centre, Canberra. The theme of the conference, **International Education in the 1990s: Lifting the Barriers,** is designed to address the necessity of developing strategies and taking action to lift the barriers to international education in Australia, effecting beneficial change and growth. For further information please contact Aurelia Balpe, International Development Program, Conference Secretariat, tel. (062) 858227.

Centre for Research Policy special seminar

Friday 11 September: Mr Zhang Jing'an, Assistant Director General Science and Technology Restructuring, China State Science and Technology Commission and Mr Wang Hanpo, Head, Division of Legislation, China State Science and Technology Commission. *Science and Technology in China: Current Policy Directions, Policy Tools and the Impact of Change.* Centre for Research Policy, Building 29. 2-4pm

Department of Management public seminars

Time: Fridays, 12.30-2pm. Venue: Building 40, Room 131

Friday, 11 September, **Mr Michael Gross** (Wollongong City Council), *Organisational Change in the Local Government: Issues and Perspectives.*

Friday, 18 September, **Dr Susan Ellis** (University of Wollongong), *Effective Advertising Agency Compensation.*

Friday, 25 September, **Dr Muayyad Jabri** (University of Wollongong), *Human Resource Management, Creativity, and the Competitive Edge.*

Friday, 16 October, **Ms Vivian Twyford** (V. Twyford Communication), *Perspectives on Communication in Management.*

Friday, 23 October, **Dr Mark Dodgson** (University of Sussex), *Management of Innovation.*

Friday, 30 October, **Assoc. Professor Paul Patterson** (University of Wollongong), *The Use of Consultants in High-Technological Purchase Decisions.*

Friday, 6 November, **Mr Leslie Gregory** (BHP), *Management Development: Issues and Challenges*

For additional information contact Dr Muayyad Jabri, tel. (042) 21 3647 or ext. 3647.

Please co-operate. Keep the Campus tidy

Users of the Campus are reminded that notices, posters, etc., must not be affixed to buildings, doors, windows, paths, posts and trees, etc. External poster bollards and internal notice boards are provided for this purpose.

Notices and posters affixed to such places will be immediately removed and if this causes damage or is a difficult and time consuming procedure, the person or organisation represented on the notice or poster will be charged for the cost of removal and/or damage rectification.

Stop Press

***Campus News* is published weekly on Tuesdays during Autumn and Spring sessions. Send material, preferrably by Microsoft Mail or on disk, to Gillian Curtis (042) 21 3110 by noon on Monday of the week before that of publication**