Vol. I

The more cars Professor Noel Murray crushes, the more sophisticated hydraulic testing equipment and then analysing the quality control results he believes that some modern cars are not very safe at all.

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said.

standard.

and modem cars measure up in a roll-over, using the United States standard as a guide.

There will be a big increase in building activity," Mr Wade explained. "Due to our efforts in persuading other institutions, the government has provided significantly more building capital.

There will, of course, be a delay between starting construction and staff moving in, which may be frustrating. However, we are working to identify priority areas, make better use of extra space, and create more space quickly."

Some of the recent innovations include creating seminar rooms between the lecture theatres in the Menzies Building, refurbishing the basement of the Administration Building, and creating ground floor tutorials rooms and offices in the Engineering Building.

Mr Wade said that the demand for funds exceeded availability.

"In Australian tertiary education, academics in every faculty can, quite rightly, point to areas of shortcomings. The task of the finance people is to find the dollars to maintain and extend our resources and commit a high percentage of that money to teaching and research."

As the government becomes increasingly tight-fisted towards universities, we will have to be more imaginative and business-like in our approach to finding funding.

"It is not going to be easy to sell the government on our need for extra dollars, especially in times of recession. Therefore, we must seek outside funding."

One example of this is fees from overseas students. In 1990 these fees amounted to $20 million and assisted Monash in finding places for an additional 825 Australian students.

"Rather than depriving Australian students of places, these fees enable us to take on more students than the government subsidy covers," Mr Wade explained.

He said that unlike many companies, Monash has come in under budget in the past two years. In 1990, the budget was boosted by a $2.3 million surplus from the previous year. The 1991 budget includes a surplus of $3.25 million.

(Copies of the 1991 Budget are available from the Budget Manager's Office on 565 5074.)

Crushing cars for the sake of safety

The more cars Professor Noel Murray crushes, the more he will find out about how safe they really are.

And Professor Murray, of the Department of Civil Engineering, believes that some modern cars are not very safe at all.

That's why he and his team are crushing cars using large sophisticated hydraulic testing equipment and then analysing the results.

Professor Murray recently completed a report for Vic Roads on the structural performance of cars in crash situations. His findings were critical of Australian Design Rules and of production line quality control.

Professor Murray, a world expert on thin-walled structures, said that some modern cars which use light, thin-gauge steels in their body structures were not strong enough to guarantee adequate protection for occupants even in relatively low speed crashes.

He said that the Australian Design Rule crash tests were inadequate and required upgrading urgently because they did not take into account varying crash circumstances.

"The problem is that the people designing these cars do not fully understand what happens in a crash situation," Professor Murray said.

"They keep telling us that these modern cars are just as strong as the old ones, but styles and styling people have got the game by the throat."

"You can't tell me that a lightweight car with tons of power is going to be as safe as a heavier car with a smaller engine."

He said the curved, thin-walled roof pillars which are a feature of most modern cars were not strong enough to prevent crushing in a roll-over. The Australian Design Rules did not contain a roll-over standard.

His findings have led to his current study examining how older and modern cars measure up in a roll-over, using the United States standard as a guide.

INSIDE

Page 2 NB: A Public Hanging
Page 3 From chair to bench
Page 4 and 5 All roads lead to Gippsland
Page 6 Holiday activities
Page 8 Reducing road trauma
Just when you thought it was safe to go back into a lecture theatre... built almost 90 years ago.

The course publicity says "the unique environment of the Alma Doepel will allow you to explore and experience management issues and principles. Management insights and experience from companies wishing to use the course publicity says "the unique environment of the Alma Doepel will allow you to explore and experience management issues and principles. Management insights and experience from companies wishing to use the course...

A new gas turbine, designed and built by staff and students in the Department of Mechanical Engineering, was demonstrated at Ansat's power plant manager, Mr Alan Pickering, last month. Ansat provided components and technical advice for the project.

A 'hypothetical' (a la ABC TV's Geoffrey Robertson) featuring an international leadership in this field. As well, Professor Miller was recently made a life member of the Australian Institute of Company Directors in recognition of his contribution to education. Professor Miller helped establish the original Australian diploma course for company directors. A course which is now taught by several universities. He has also been named national vice-chairman of the Committee for the International Finance Centre which will promote financial expertise in the Asia-Pacific Region. The centre was initiated by the Lord Mayor of Sydney.

A research team at Monash University College Gippsland has solved a problem which causes millions of dollars of damage in open cut mining throughout the world.

The college's School of Engineering has developed a unique electronic detector to protect conveyor belts being damaged by sharp metal objects. The device is now undergoing field testing at Loy Yang Open Cut Min mine.

The aim of the joint arrangement sponsored components and technical advice for the project. Pictured are (rear) senior lecturer, Mr Robert Gunni, Mr Pickering and student Bruce Gunn, (front) student Stuart Smiley and technical officer Steve Donaldson.

Dr Brenda Niall, a reader in the Department of English, is one of only a few women to be elected a Fellow of the Academy of Humanities. There are only 200 Fellows of the Academy in Australia and less than 20 are women.

Dr Niall also recently won the National Book Council Award for her biography on Martin Boyd.

Professor Noel Murray, of the Department of Civil Engineering, has been honoured by a Czechoslovakian university for his research into the behaviour of concrete steel structures. Professor Murray is a world authority on such structures through his work into the collapse of the Westgate Bridge.

The Slovak Technical University, Bratislava, presented him with the Faculty Medallion of the Faculty of Civil Engineering.

Our photograph reprints more than a century of accounting experience. Pictured, from right, are Professor Janak Ramamurthy, head of the School of Accounting, David Syme Faculty of Business, Meritorious Professor Louis Goldberg, former Professor of Accounting at Melbourne University, Meritorious Professor Ray Chambers, former Professor of Accounting at Sydney University and considered by some the guru of Australian accounting, and Ian Banks, senior lecturer with the School of Accounting. These notables were among delegates who met for a seminar on the future direction of accounting research.

The Australian Science Distance Education Consortium has been set up by Monash University College Gippsland, the University College of Central Queensland and Murdoch University with a $50,000 grant from the Department of Employment, Education and Training.

The aim of the joint arrangement is to defray the cost of running science courses and to offer wider course options.

The university's combined Arts Engineering degree has been highly commended at the inaugural Engineering 2000 awards presented by the Institution of Engineers, Australia. The awards, to encourage female participation in the engineering workforce, were presented by Mrs Hazel Hawke last minute.

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At the signing of a joint research agreement between Monash University, the University of Indonesia and the World Health Organisation are (from left) the Indonesian Consul Mr Gunawan Tjiptosujmiarso, chairman of the university's Study Group On Human Reproduction, Dr Bharat Aggarwal, group member Dr Santosa Garny, and principal investigator, Dr Peter Fox, of the Department of Obstetrics and Gynaecology.
From university chair to World Court bench

"When and how the eventual collapse of apartheid will occur, no observer can tell. There can be little doubt, however, that whether through violent or peaceful change, this aberration on the statute books of mankind will inevitably pass into the realm of historical curiosities to be studied with wonder and disbelieved by later generations."

After the book containing this passage was banned by the South African censors, a microfilm copy was smuggled into the country instead.

Black market copies of Apartheid: The Closing Phase! were eagerly snapped up by opponents of racial discrimination, and it quickly became an unofficial bestseller.

And now its author, Professor Christie Weeramantry, of the Law Faculty, is in the news again.

Professor Weeramantry has just been elected by the United Nations to one of the world's most important judiciaries, the International Court of Justice. (Only one Australian has held a seat on the court. He was Sir Robert Menzies, who served from 1956 to 1967.)

The dean of Law, Professor Bob Williams, described Professor Weeramantry's appointment as "one of the most important honors ever to be conferred on a member of this university."

The International Court of Justice, or World Court, is of major significance to global peace. It has 15 judges, who represent different geographical regions, cover two broad areas of jurisdiction.

First, they arbitrate on contentious matters between states that have agreed to abide by the court's order in the event of a dispute.

Second, they have the power to interpret international law and come to grips with some of the new problems our generation is facing — for example, the impact of technology, as well as environmental concerns," he said.

Professor Weeramantry's interests are far-reaching. Chief among them are apartheid, the environment, Third World debt, and the impact of technology on human rights in developing countries.

His achievements are similarly comprehensive. He holds the highest academic qualifications in law, the very rare degree of Doctor of Laws, which he holds from the University of London.

He has written 12 books on topics such as apartheid, human rights, comparative law, and the environment, and is a vice-president of the International Association of Lawyers against Nuclear Arms, and an Associate Academician of the International Academy of Comparative Law, another rare honor.

He was chairman of an independent commission of inquiry that investigated the feasibility of rehabilitating extensive areas of Nauru devastated by phosphate mining during the island's colonial period, as well as the later period of trusteeship.

The inquiry also considered the question of responsibility for the massive task of greening the small coral island of 5000 people.

One of the highlights of Professor Weeramantry's academic life at Monash — which comes to an end this month after 18 years — occurred when he was invited to speak at the plenary session of a world congress on equality and freedom, held in Missouri as part of the US bicentennial celebrations.

Professor Weeramantry spoke from the standpoint of the Third World on the difficulties it faced in implementing concepts of equality and freedom.

The West, he said, bases such concepts on individualism, whereas traditional societies in the developing world emphasize the group rather than the self, and duty rather than right.

In the Third World the individual is sheltered by the group rather than fighting — in the words of Edmund Burke — 'naked and alone against the might of an all-powerful state'," Professor Weeramantry said.

He sees international law as the synthesis of the best thinking of many cultures, rather than the product of one culture alone.

"Law needs to be taken away from mere book learning, so that it can grapple meaningfully with a number of forces operating in society, many of which were not foreseeable at the time some of our legal principles were formulated," he said.

Professor Weeramantry hopes to continue his association with Monash through the occasional lecture. He will also lecture at the University of Colorado, where he is visiting professor.

The World Court sits at The Hague three or four times a year. Professor Weeramantry will take up his appointment there in February.

New biotech centre aims to improve exports

A Monash University centre to coordinate research into plant and animal biotechnology will be launched this week.

Vice-Chancellor, Professor Mal Logan, described the new Monash Centre for Agricultural Biotechnology as "vital to Australia on all fronts."

"The coordination and development of this type of research is essential to Australia's economy, agriculture and environment," Professor Logan said. "Australia has lagged in agricultural innovations since the glory days when MacArthur introduced the merino and rocketed Australia from a penal colony to a major wool exporter."

"Recent advances in molecular biology have opened up fresh opportunities which may solve a wide variety of agricultural and environmental problems. These include improved crop yields, increased plant resistance to disease and pests, chemical-free foods and more natural methods for cleaning up spills in the environment."

"We must improve productivity and introduce new varieties."

Chairman of the Interim Board set up to establish the Centre, Professor Bruce Holloway, binges co-ordinating research programs and networking expertise is essential if Australia is to retain and develop its world export markets.

"Agricultural production is the mainstay of the Australian economy, providing around 80 per cent of our export dollar. To be competitive, we must improve productivity and introduce new, improved varieties."

"The new techniques in biotechnology are fundamentally no different to the centuries-old practice of selective breeding. However, biotechnology allows us to precisely identify important genes and carefully place them in a wider range of organisms, with the result that we can, for example, develop plants which defend themselves against pests and disease, and crops which will not perish as quickly after harvesting. The latter is particularly important for Australia because we are disadvantaged by distance."

An Interim Board of representatives from Monash University, Victoria's Department of Agriculture and Rural Affairs (DARA), CSIRO and private enterprise has been established to set up the centre.

In Brief

The world-renowned immunologist Professor Sir Gustav Nossal has been awarded the honorary degree of Doctor of Laws from Monash University.

Sir Gustav, director of the Walter and Eliza Hall Institute of Medical Research and Professor of Medical Biology at the University of Melbourne, received the doctorate last week at a graduation ceremony for the faculties of Engineering, Education and Medicine.

One of Australia's leading economists will return to Monash University in March next year.

A former Monash honours student, Professor Peter Dixon is one of only 10 Australians listed in the Who's Who in Economics. He has accepted a Personal Chair in Economics and Directorship of the Centre of Policy Studies which is part of the Faculty of Economics Commerce and Management.

Professor Peter Dixon was Director of the Institute of Applied Economic and Social Research at the University of Melbourne. Professor Dixon will be accompanied by Mr Robert Murray, the company director, and other members of this Institute.

Professor Dixon graduated with honours from Monash in 1969 and completed his PhD at Harvard University.

13 December 1990
The merger of Monash University and the Gippsland Institute of Advanced Education has forged a new direction for higher education in Gippsland. Monash University College Gippsland has achieved greater national recognition, building on its strong community support. The college also is one of Australia’s eight National Distance Education Centres. We talk to the Dean of Academic Affairs, Professor Barry Dunstan, about the college’s development and future direction.

All roads lead to learning

The road sign leading to Churchill, a small Gippsland town on the edge of the La Trobe Valley, now tell every visitor what the locals already knew. Churchill is the home of Monash University College. Gippsland, and this college is respected as a focus for the entire community.

The college is a part of the Gippsland landscape, a fact confirmed by the local council’s renaming of two main roads leading to it. The Midland Highway has been renamed Monash Way, and the road from Churchill to the campus has become University Drive.

Nobody asked the Marwell Council to change the names, the councillors just thought it would reflect the college’s status following the merger of the former Gippsland Institute of Advanced Education and Monash University.

You just can’t miss the college, or underestimate the impact that this centre of learning has had on Gippsland over the past 20 years.

But it has not been an easy road, according to one of the college’s longest-serving staff members, Professor Barry Dunstan, now the Dean of Academic Affairs and Head of the School of Applied Science.

The college has had to combat indifference in raising students’ expectations, at least to complete their secondary education in the whole of Gippsland. We had to cultivate the high schools because in 1969 there were only 200 students in the final year of secondary education in the whole of Gippsland.

"We have spent a lot of time with schools in raising students' expectations, it least to complete their secondary education. Many of them did not get past year 9 or 10.

"To succeed you have to turn around community attitudes towards education, and we are certainly not there yet, but the Anderson scores of applicants for our courses have risen significantly over the years."

As a measure of success, Professor Dunstan points to the "huge over-demand" for some courses such as the social sciences where there have been 10 candidates for each available place.

As well as working to improve community attitudes towards the education system, the college has had to provide a wide range of support services.

"There’s not the depth and diversity in the cultural life that you have in the city, and assisting in providing that has helped people get out and change the society they live in. We have helped to change the fabric of Gippsland in recent years, providing the communities of the region with many hundreds of highly qualified people."

The college’s curriculum now includes studies in applied science, business, education, engineering, health sciences, social sciences, visual arts, and is a major provider of distance education.

"We have penetrated deep into the ethos of Gippsland as a whole," Professor Dunstan says. "You are looking at an area which still has education participation rates of about half the Victorian average."

"When we started it was really a disaster area in tertiary education. We had to cultivate the high schools because in 1969 there were only 200 students in the final year of secondary education in the whole of Gippsland."

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This very Australian scene, complete with eucalypts, is the setting for a worldwide education program.

**Gippsland exports courses to an expanding market**

Australian education expertise is in demand overseas, particularly in Asia and the Pacific, but not all potential students can come here to study. This is leading to a rapid growth in education exports – taking the teaching programs to the students.

The Monash Gippsland Distance Education Centre is one of Australia's eight National Centres, providing courses in many disciplines for about 3000 off-campus students throughout the country. The Dean of Academic Affairs, Professor Barry Dunstan, says the college is actively promoting its distance education courses overseas, describing the growth as a new dimension in education.

Next year up to 500 full fee-paying overseas students could be studying courses developed at Gippsland in business studies, computing, applied science and health sciences. In addition, about 120 overseas students will be enrolled next year for on campus courses.

Professor Tom Kennedy, the college's chief executive, says formal links have been established with the Hong Kong Polytechnic. About 180 students have begun studies in the Bachelor of Applied Science (Nursing) and enrolments have opened for the Bachelor of Business, which will begin early next year.

Similar links are being negotiated for Singapore and Malaysia in nursing, business and computing. Investigations into setting up courses in Indonesia have begun. He says the college has been able to extend its role and influence as a national provider of distance education into the South-East Asian region.

Professor Dunstan continues: "Monash is highly regarded in South-East Asia, and distance education will enable the greater Monash to further extend its substantial reputation in the region.

"We are using our distance education courses along with locally-based in-house tutoring. The courses written and used for our own purposes are being adapted for their teaching environment. Our ability to offer Monash degrees offshore means we no longer have to bring all overseas students to the campus."

He says distance education is attractive to students who do not have the financial capacity to study here, or because of their work or family situation are unable to travel. It also enables students who are already in employment to continue working while studying.

Australian education exports already are worth about $700 million a year. "The potential for growth is enormous, particularly when you consider the new technology under development in interactive computer-based learning," Professor Dunstan says.

The college has a $250,000 grant from the Department of Employment, Education and Training to develop CD-based learning packages, combining video, images and sound. According to Professor Dunstan these have the potential to revolutionise teaching practices – and not just in distance education.

"Normal practice is for a lecturer to present information, and control the process, but with CD-based learning the student is in control. The teaching program will guide students through a number of possible paths. To do that, you need computer interaction. Many experiments which could previously only be done in the laboratory, can now be presented this way."

"We're trying to achieve the ability to teach concepts, through a middle course between the practical and the simulated approaches. For example, if you want to demonstrate how to grind coffee, you can draw a diagram or you can grind it yourself. We want to get something in between: "Who knows, maybe one day we'll get it to smell as well."

Work is under way developing trial programs for arts, engineering and chemistry courses.
The magical and musical Faraway Tree

A musical version of Enid Blyton's *The Magic Faraway Tree* is this season's school holiday presentation at the Alexander Theatre.

The joint production by the theatre and Garry Ginivan Productions will run from 5-26 January.

Manager of the Alexander Theatre, Mr Phil A'Vard, said the theatre's annual children's presentation had become a feature of the Melbourne scene over the past 20 years.

He said *The Magic Faraway Tree* was unusual as a musical this season following its successful production here about five years ago.

Songs for the musical have been written by Melbourne composer Faye Bendrups, and the sets have been designed and painted by Graham McColl.

There are two performances daily - at 10.30 am and 1.30 pm - and tickets, which cost $16.90 for children and $15.90 for adults, are available now at the theatre's booking office.

A selection from the collection

The final exhibition for this year at the Monash University Gallery will be Monash University Collection - A Selection, to be held from 18-21 December, and 14 January to 8 February.

Featured will be new purchases and gifts including major works by young women artists Maria Rorke, Roslynd Pigott and Christine Johnson.

The gallery's first 1990 purchase was a large collaborative work by Tim Jones and Jon Campbell, both artists whose work relects the urban condition. Their corrugated iron wall-piece of a car will be on show.

Together with these new works will be a selection of paintings, drawings and sculptures that form the basis of the Monash Collection.

Travelling through Australian history with Tony and Terry

Fancy a weekend in a forest with a biologist? How about exploring Victoria's desert parks or high plains? Or perhaps an historical tour of Australia's woolly herd, and tour packages for Australia, Kakadu and the Queensland coast.

Next year Dr Lee will lead two wildlife tours to Africa, and Dr O'Brien plans to lead a major excursion following in the footsteps of Charles Darwin into South America and the Galapagos in 1992.

For further information telephone 985 0587, (a.h.) 121 0852 or 836 1623.

Robert Rooney's 'Hidden Park 1 & 2' from the forthcoming exhibition.

Robert Rooney

David Ashton as 'Dame Washalot' in *The Magic Faraway Tree*

The English Department has published a collection of poems by Bruce Lundgren titled *Journeys*.

Journey To The Sea

Chances with age - and arthritis, he makes his lonely way along the beach, stumbling and sliding in the hot loose sand, angular and stiff as an old gate.

In the parsimonious shade of a gaily-painted hut, he removes his clothes, in a slow ritual practiced, but shaky from the long passing years.

Beneath the ineffascular screen of a tattered towel of flake stripes, he somehow manages to transform, into swimming wear, that proves a perfect partner for the towel.

Who on the beach could take offence at the inadvertent glimpse, of an extinct married. No menace there.

Nor is there in crossing of the sand, a laborious, rent, for all the world.

In a seaweed wrapper gracing home.

This single ancient hut, no longer of the herd, in the cool sea at last, floats on his back with a grace and ease not known on land.

And for many years, rolls and dips, eyes on the wide blue sky, one almost expects to see him clap two flippers above his grizzled chest.

Robert Rooney

POET'S PAGE

Blast you shellfish!
Curse your blind and shapeless life,
your credo convolutions
and slinky formless mass.

Damn your sleek!

to form from deep within the dark

delay your minute spiralling genes
this perfect patterned shell-thing
which lies complete and smoothly snug
on a human palm.

What kind of universe
bends upon a gastropod lump of primitive flesh,
the right

to make with sinuous ease,
and clear unconscious grace,
a poet of such unerring form and style,
while I, and all my tribe of poem,
struggle and sweat

to make some flawed and broken fragment?

Must we unlearn speech?

Robert Rooney

MONASH MARKETPLACE

Copy deadline for the first issue for 1991 is Monday 15 January. Advertisements should be submitted for each issue.

The University accepts no responsibility and makes no warranty as to the accuracy of these advertisements. Advertisements are revisited of the premises of the Trade Practices Act. To include an advertisement in this section, a written or typed copy in the Public Affairs Officer, Clayton campus. Material will not be accepted by telephone. The editor reserves the right not to include advertisements.

Free

Large quantities of used lactar file pockets and plastic tabs in good condition are available to any Department which will arrange collection from Records Administration, Room GH1, Administration Building. These pockets are not suitable for conventional file cabinet drawers. For further information, contact Mr R. Black on 73 1931.

For Sale

The following items will be available for inspection, and are to be removed on Friday 14 December (one day only) from 9 a.m. to 4 p.m., at C Caulfield Rd, Glen Waverley, now at the commencement of 1990: 34 hoses. Omega Superspeed in chrome with stand, $100; Various clutter, 900 Gourville Rd, Vermont. 45. 650 litres.

Armchairs n teksture: $5; Couch D-Base $10; Armchairs n teksture: $10; Couch, bed. $20. Tables, desks $10 each; Tables, desks $20 each. Wardrobes $40 From further information contact Sue Liddon in 565 1988 or Dilbert Awood on 565 1988.

13 December 1990
Scholarships and Fellowships
The Sir Robert Gordon Monies Scholarships to Harvard 1991/92 for Australian citizens or permanent residents who have not previously enrolled in a postgraduate degree course at a US university. Closing date: 31 December
The Australian Federation of University Women—South Australia Bursaries to assist women with study or research for a higher degree or postgraduate diploma. Closing date: 28 February
AFLW Victoria—Beatrice Finchler and Amy B. Hughes Fellowships are open to all members of the Australian Federation of University Women. Applications to Mrs Nenita Fawcett, 72 Glenning Drive, Glenning South, 5160. Closing date: 31 February
Australian Institute of Nuclear Science and Engineering Postgraduate Research Awards and Supplements for postgraduate students whose research projects are associated with nuclear science and engineering. Closing date: 23 February
Graduate Scholarships for Study and Research in the Federal Republic of Germany. There are various programs for Australians. For further information contact the Higher Degrees and Scholarships Section on 565 9000.
Royal Anthropological Institute—Travels and Research Funds. For further information contact the Royal Anthropological Institute, 50 Florence Street, London W1P 3ES, UK.
Graduate Scholarship—Department of Materials Engineering.
FINNISH GOVERNMENT SCHOLARSHIPS 1991/92. Finnish language and other subjects related to Finland. 4 January
The Postgraduate Scholarships, 3 January
Postdoctoral Studies, 4 January
Imperial College of Science, Technology and Medicine. 15 March
For further information contact those and other scholarships, fellowships, study grants and prizes, contact the Higher Degrees and Scholarships Office on 565 3000.
Gladys Krieble Delmas Foundation Fellowship, 21 December
Victoria's Health Promotion Foundation—Program Grants. 1 January 1991.
Further details, application forms and guidelines are available from the Office for Research, Claren campus, e07 5012 or 75 5018. Applications must be lodged with the office by the date specified.
Office for Medical Education
The Faculty of Medicine is considering appointing a full-time officer for Medical Education to be responsible for those aspects of the Faculty management which are education related, rather than procedural.
These include developments of the schools' links program, liaison, and special projects such as open days. The officer will also be responsible for dealing with inquiries from potential students (undergraduate and postgraduate); servicing the educational committee of the Faculty (such as the curriculum review committee); and producing documentation and information for the Faculty on migration rates, reasons for failures, selection mechanisms and procedures, examination results and assessments, course evaluations.
The officer will also be expected to monitor and keep abreast of changes in government policy on medical education, and to assist the Faculty with developing new courses within the broadened range of the Faculty's involvement in the medical and health sciences.
This may suit a person whose previous experience has been either academic or administrative. The Dean invites expressions of interest from the university community. Contact Professor Robert Foster, ex 75 4012, or executive officer, Brian Bex, ex 75 4097, to discuss the position.
Distance education workshop
Monash University College Geelong's Distance Education Centre is running a residential workshop at the Churchill campus on 11-14 February. Costs are eligible as expenditure under the Training Guarantee Act. For further information, phone (03) 220 2777 or fax (03) 220 4062.
Retirements
Mr Trevor May, a carpenter and painter supervisor in the Maintenance Department, retires at the end of this year after 26 years of service. All are welcome to accept a presentation in the maintenance workshop at 3.15 on 20 December.
Mrs Beverley May retires at the end of this year after 21 years at the university. Mrs May worked in the Faculty of Medicine for 10 years, and since 1981 has handled student enquiries and enrolments in the Science Faculty office.
A farewell to mark the retirement of Central Services co-ordinator, George Tenneale, after 15 years service will be held in Robert Blackwood Hall on 20 December. A presentation will be held at 1.00 pm. Food and drinks will be supplied throughout the day. For further information or to contribute towards a gift, contact Nick Bosche or Linda Burke ext 75 9902.
Mr John Rosevear, deputy manager, Finance Branch, retires at the end of the year after 25 years of service.
Neighbouring faiths conference
A conference examining the state of relations between the Muslim and Christian communities in Indonesia and Australia will be held at Monash from 2-5 February.
Guest speakers at 'Understanding Neighbouring Faiths 1991' will be six prominent Indonesian intellectuals who will talk about the concerns of their country's Muslim community.
The conference will be presented by the World Conference on Religion and Peace, in conjunction with the Centre of Southeast Asian Studies and the Australia-Indonesia Institute. For further information, contact the centre on ext 75 4993.
Study tour of South East Asia
The management and marketing section of the School of Business (Geelong campus) is organising a study tour of Singapore and Kuala Lumpur from 31 March to 7 April. The tour is open to staff, students or small business people wishing to establish commerce and export contacts in either country. The tour also offers marketing students first hand international marketing experience.
The cost of $1800 includes airfares, accommodation, handouts and meals for the entire seven day tour. For further information or bookings contact Sue Muthaly on (03) 220 618 or 220 300.
Young Endeavour Science Awards
In 1989, the Minister for Employment, Education and Training, Mr John Dawkins, discussed with the Minister for Education and Science in the United Kingdom, the establishment of an exchange scheme for science undergraduates in their honours year. Agreement has been reached to fund the scheme known as the Young Endeavour Science Awards, to be awarded annually to four of the outstanding science honours students in Australia.
Terms and conditions of the awards are as follows:
1. Each student will be given a minimum of $7000 to cover the cost of a return airfare to the United Kingdom and incidentals. Fees will be waived in the United Kingdom and free accommodation will be provided on campus.
2. There will be four awards annually to science honours students who must be Australian citizens.
3. Recipients of the award would be required to undertake research for a period of at least three months in a British University in the same field of research that the student is undertaking in postgraduate studies.
4. Recipients of the award would be required to provide a verified statement of outcome of research undertaken in the United Kingdom. This statement will be transmitted to the Research Trusting and Careers Committee of the Australian Research Council.
5. The supervision of successful applicants will largely have the carriage of negotiations and exchange arrangements for their students, based on the agreement that the UK institutions will waive all fees and provide free accommodation.
Science students completing their honours degree are invited to apply for the above awards. Application forms may be obtained from Professor M. G. Irving, Co-ordinator, Young Endeavour Science Awards, P.O. Box 1, Belconnen, ACT 2615.
Applications should be lodged by 9 December.
Christmas Carols
The Faculty of Education Choir invites all members of the university to its annual concert of Christmas carols, to be held in the Performing Arts Centre, Geelong campus, between 1 pm and 2 pm on Monday 17 December.
road crashes are the single largest cause of death in people aged between one and 44 years.

For each death, 10 people are hospitalised and another 10 require medical treatment. As well as the enormous pain and suffering, road crashes in Victoria cost the community about another $1500 million each year.

What can be done to reduce road trauma: the modern "epidemic"?

Alcohol is known to be the most important contributing factor to serious road crashes. At a blood alcohol level of 0.05 per cent - three times the legal limit - the chances of crashing are more than 20 times greater than when sober.

This year a major attack has been mounted against drink driving.

Police have been given 13 new mobile bases by the Transport Accident Commission, which has also run the "If you drink then drive, you're a bloody idiot" campaign. These bases have achieved a high level of visibility, and the number of breath tests have increased.

The results have been dramatic: among drivers killed, the percentage with an illegal blood alcohol content has dropped from a ten-year average of 35 per cent to below 25 per cent.

Excessive speed is generally regarded as the second most important contributing factor to road toll. Not only is the probability of being involved in a crash much higher if travelling at 80 km/hr when the traffic stream is travelling at 60 km/hr, but also the laws of physics indicate that the severity of injury will be about 78 per cent greater.

Is April, a major publicity campaign begun in support of the increased use of speed cameras. Since then, speed cameras have detected 7000 people exceeding the speed limit and have been involved in nearly 200 traffic crashes.

The day arrives. You have packed everything invested in man or woman that folds, from the paperback to the windbreak. Three litres of number one wine, a sure-fire cure for anything invented by man or nature. You have packed the world's highest peaks. They are there to be enjoyed, and enjoyed they will be.

by Peter Vulcan

This year, road deaths in Victoria are 35 per cent down from last year, with a fatality rate per registered vehicle approaching the best among other countries with a high vehicle usage.

While this is partly due to a slow-down in economic activity (and possibly the recent increase in fuel prices), it also can be linked directly to the tough action taken against drinking and speeding drivers.

It will be interesting to see whether community pressure will support continuation of these tough measures. If they are relaxed, the road toll is likely to bounce back upwards as it has in the past.

Another tough measure is the compulsory wearing of bicycle helmets, a world first. This has resulted in greatly increased wearing rates and preliminary indications of reduced head injuries.

Dr Peter Vulcan is director of the University of Melbourne's Accident Research Centre.

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