

# MONTAGE

NEWS FROM THE CAMPUSES OF MONASH UNIVERSITY

Volume 2 Issue 1

25 February 1991

## Uni pioneers professional doctorate

The School of Graduate Studies in the Faculty of Education is pioneering a major innovation in Australian postgraduate education.

Monash is the first Australian university to offer a professional doctorate. (The University of Newcastle and Macquarie University have subsequently followed suit).

The Monash initiative was in its planning stages even before the government released a report by the National Board for Employment, Education and Training recommending the introduction of professional doctorates to enhance and upgrade professional practices in Australia.

Professor David Aspin, Dean of the Faculty of Education, is proud of Monash's leading role in the development of the EdD.

"A number of overseas universities of high standing are now offering professional doctorates in the fields of law, nursing, social work, engineering, architecture and fine arts. Yale, Stanford and Harvard are examples," he said.

The EdD had the same basis and standing as a PhD but its aim was different.

"The aim of the EdD is not to extend the borders of knowledge per-se but to use research findings to improve and develop theory and practice in the professions," he said.

"However, in all other respects – workload, number of words, standard of entry and supervision – the EdD is the same as a PhD.

"The professional doctorate is intended as an alternative to, and addition to the PhD. It is not a replacement for the PhD which will always be the flagship degree for those who wish to engage in the pursuit of knowledge for its own sake.

"A professional doctorate is concerned with the pursuit of knowledge for community and professional improvement and training."

More than 40 students, from all over Australia, have enrolled in the first year of the EdD. To complete the professional doctorate, students will have to pass the coursework requirements before completing their thesis.

Unlike the PhD in Australia, which traditionally is achieved through a process of supervised research, the EdD involves coursework and a thesis. The thesis for the EdD is more than half as long as a PhD thesis, with the coursework making up the remainder. The control of the EdD rests with the PhD and Scholarships Committee.

"The idea is to offer a wider range of postgraduate study opportunities to Australia," Professor Aspin said. "This way, the university offers more people additional, but different, ways of becoming high fliers in their chosen profession."



*The Alexander Theatre and the George Jenkins Theatre are the envy of many communities, according to a recent review by a theatre consultant. According to the review, the Alex has a reputation within the performing arts industry for presenting theatre works of excellence and imagination not normally seen in Melbourne. For details of the review, and a guide to this year's subscription season, see page six. This year's season will feature the Playbox performance of Wallflowering, starring Jill Perryman and Kevan Johnston, pictured above.*

## New orchestra leader scores academic points

The new Monash community orchestra has found a leader, following a worldwide search.

Melbourne-born Warwick Stengards, 29, regarded as one of Australia's most promising conductors, has been appointed to conduct what is believed to be Australia's only inter-faculty orchestra.

Participating first year students from all campuses will be granted points towards their academic degrees in all faculties, except medicine.

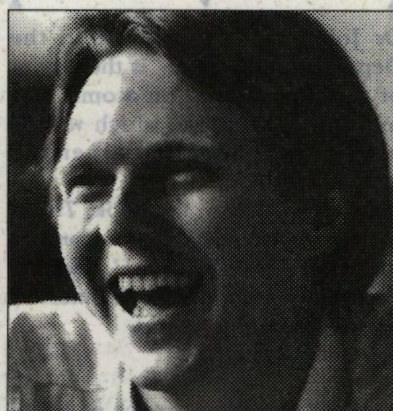
"We want to create a quality orchestra which will draw on the best young musicians in the university," Professor Margaret Kartomi, Head of the Department of Music, said.

"The orchestra will be a part of the community, making Monash an important live music venue for Melbourne."

More than 60 applicants were interviewed for the position, which was advertised in Australia, the US and in Europe.

Warwick Stengards has directed the Melbourne Symphony Orchestra, State Orchestra of Victoria, Rantos Collegium, the Australian Pops Orchestra and the Victoria State Opera.

As a senior lecturer in the department, he will teach orchestral performance and repertoire. The orchestra is expected to present its first concert in June.



Mr Warwick Stengards.

## ACT business centre opens

Monash University has opened a professional training and education centre in Canberra.

The new David Syme Management Education Centre will offer postgraduate management education, consulting and contract research, staff development and training, international study tours and academic research.

Vice-chancellor, Professor Mal Logan, said Monash was committed to meeting the challenges of higher education wherever they occurred.

"In Canberra our challenge is to provide a public sector management education program that meets the twin goals of vocational relevance and academic excellence," he said.

The executive director of the new centre is economist, Associate Professor John Dixon.

## Business suits women

Women now have an even better chance of getting into management, according to Ms Kath Ralston, course leader of the new Graduate Diploma of Business being offered by the School of Management in the David Syme Faculty of Business.

"The general management subjects and the flexible hours of the new diploma course are ideal for women who aspire to be in management but don't have the formal training," Ms Ralston said.

Subjects include leadership, team building, managing change, finance, legal responsibilities and strategic management.

Designed to fit in with the participants' work and home commitments, the course is open to people with a three year degree or diploma and relevant business experience.

Evening and weekend classes are offered, and some subjects can be taken by distance education at the Gippsland campus.

## Gene research

Dr Shaun Brennecke, a senior lecturer in the Department of Obstetrics and Gynaecology, and his fellow researchers at Macquarie University were awarded first prize for the best scientific contribution at the VIIIth World Congress on Hypertension in Pregnancy, held in Perugia, Italy, late last year.

Their research, recently published in the medical journal *Lancet*, is into the pregnancy disease pre-eclampsia which affects one in 100 pregnancies in its severe form.

In collaboration with Professor Des Cooper and Dr Alan Wilton of Macquarie University's School of Biological Sciences, Dr Brennecke has been looking for a gene defect which may be responsible for this condition.

So far, they have discovered the defect is not located in that part of the human genome thought to have been the most likely site. The work is directing the attention of researchers to other likely areas.

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# AROUND THE CAMP

## CLAYTON

Visiting professor Joan Macy has returned to the University of California at Davis with an unusual souvenir of her stay in Australia – an anaerobic bacteria.

Professor Macy has spent the past 18 months studying molecular biology at Monash in a bid to solve the problem of salt and selenium in the San Joaquin Valley, an important agricultural area in California.

"I came to Australia to research the problem because of Professor Bruce Holloway's reputation in the field of Pseudomonas research," Professor Macy said.

Pseudomonas are anaerobic bacteria, some species of which may be able to counteract the selenium which is presently contaminating the San Joaquin Valley.

Professor Macy's research has been so successful she believes the problem may be solved in the next six months.

Professor Fred Smith, the former Head of the Department of Physics, has taken up a post as the Deputy Vice-Chancellor (Research) at La Trobe University.

Professor Smith has been a member of staff at Monash for seventeen years, starting as a senior lecturer in 1974. Most recently he was head of physics and chairman of the PhD and Research Committee.

Professor Smith graduated with first class honours in physics from the University of Sheffield and holds a PhD from the same university. He was a senior scientific officer at the Atomic Energy Authority and also worked for the CSIRO in the Division of Applied Physics. He established the Federation of Scientific and Technological Societies (FASTS) and was foundation president of this group which lobbies the government for research funding.

Professor Bernard Barry, Director of the Graduate School of Management, has been elected national president of the Society of Senior Executives.

The society has more than 500 representatives from companies and institutions throughout Australia.

Dr Vicky Lee, a lecturer with the Faculty of Education, has been recognised by the Academy of Social Sciences in Australia for her outstanding academic achievements and potential. She was commended for Excellence in a Younger Scholar and received a medal and citation.

## MONTAGE

Montage is published by the Public Affairs Office, first floor, Gallery Building, Monash University, Wellington Road, Clayton 3168.

Editor: Greg Williams

Phone: (03) 565 2085 Fax: (03) 565 2097

Produced on Macintosh desktop publishing equipment by Monash University Publishing and Advertising, room A1.26D, Caulfield campus. Text is set in New Baskerville 9pt.

Imagesetting by Pageset, 4 Palmer Court, Mount Waverley.

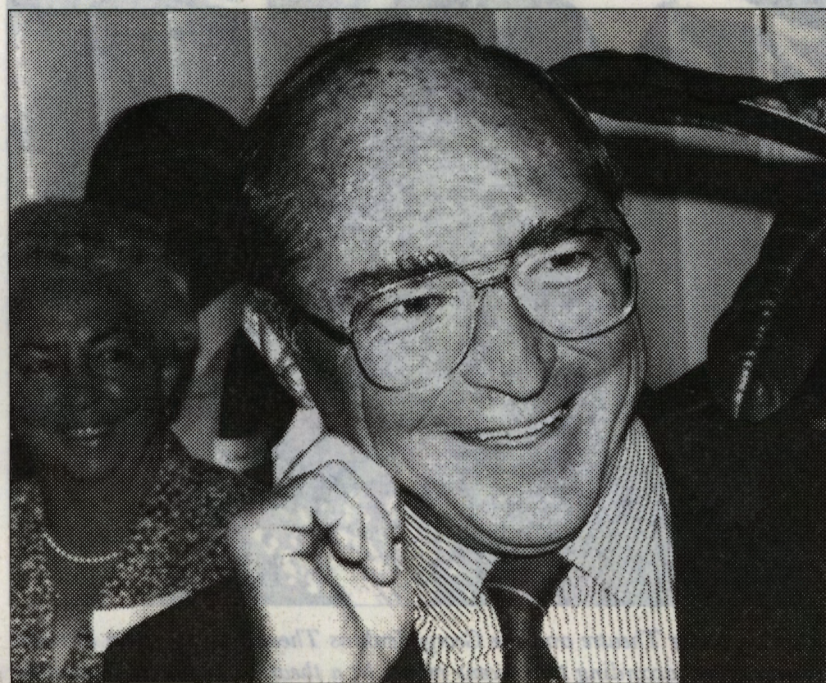
Printed by Syme Media (inc. in Victoria) 142-144 Frankston-Dandenong Road, Dandenong 3175.

Registered by Australia Post:

Publication no. VBGO435.

Steve Morton, Department of Physics, is also making a name for himself in the field of photography. One of his photographs, a 360 degree panoramic taken in Sherbrooke Forest, appears in the prestigious photography publication, *International Photography*. This magazine features a selection of the best photographs from around the world, chosen by Kodak's professional photography division in New York.

Not only did Steve take the photograph, he designed the special camera. The "ultra wide angle" panoramic camera produces a 360 degree image. The camera was built by Mr Alan Holland, also from the Department of Physics.



Dr Alan Rose (pictured above), a pioneer in bringing together community and hospital-based care, retired last year after 15 years service in the Department of Community Medicine.

To mark his contribution to the teaching of medicine in general practice, the Murrumbidgee Medical Group, East Bentleigh, has been renamed the Alan Rose Teaching Practice. The Dean of Medicine, Professor Robert Porter, unveiled a plaque at Dr Rose's farewell.

Dr Rose spent 35 years in private practice, and since 1975 has been the department's coordinator of fourth year medical students. He was instrumental in setting up community health centres in Caulfield and East Bentleigh.

Dr John Pilbrow, Reader in the Department of Physics, is the author of a new text book on atomic and molecular structure, which will be used mainly by North American graduate students.

For Dr Pilbrow, the book, *Transition ion electron paramagnetic resonance*, published by Oxford University Press, is the culmination of almost 30 years work on this subject.

Head of the Department of Earth Sciences, Professor Gordon Lister, has been appointed director of the Victorian Institute of Earth and Planetary Sciences. VIEPS is a joint venture of the Earth Sciences Departments at Monash, La Trobe and Melbourne Universities.

Professor Margaret Kartomi, Head of the Department of Music, and director of the Institute for Contemporary Asian Studies, was awarded an AM for her services to music in the Australia Day honours list.

She was made a Member of the Order of Australia particularly for her contribution to Southeast Asian music.

Professor Kartomi has recently published a new book on comparative musicology. The book, *On concepts and classifications of musical instruments*, published by the University of Chicago Press, looks at the role of music in different cultures and how musical instruments reflect the musical thoughts of a society.

An international authority on metaphysics, Professor John Bigelow, formerly of La Trobe University, has been appointed to the Chair of Philosophy at Monash University.

Professor Bigelow's research has spanned a wide range of areas within his discipline, including semantics, metaphysics, ethics and moral psychology.

He is the author of *The reality of numbers: A physicalist's philosophy of mathematics*, as well as many research articles, and has been active in promoting philosophy within the general community.

His current research is into the nature of time, and his work on the philosophy of numbers has applications in the teaching of maths in schools.

## CAULFIELD

Two Monash engineering students have won Telecom's "Spaghetti Bridge Competition" with the ingenious construction (pictured below).

Sak Phanivong (left) and Chris Meyer (centre) received \$700 for the design and construction of the lightest spaghetti bridge in Australia.

The competition attracted 250 students from around Australia. The bridges had to be able to carry a load of 900 grams over a 680 mm span.

The Monash bridge, which was made of straight strands of hollow spaghetti, won the first round of the competition, weighing in at 33.92 grams.

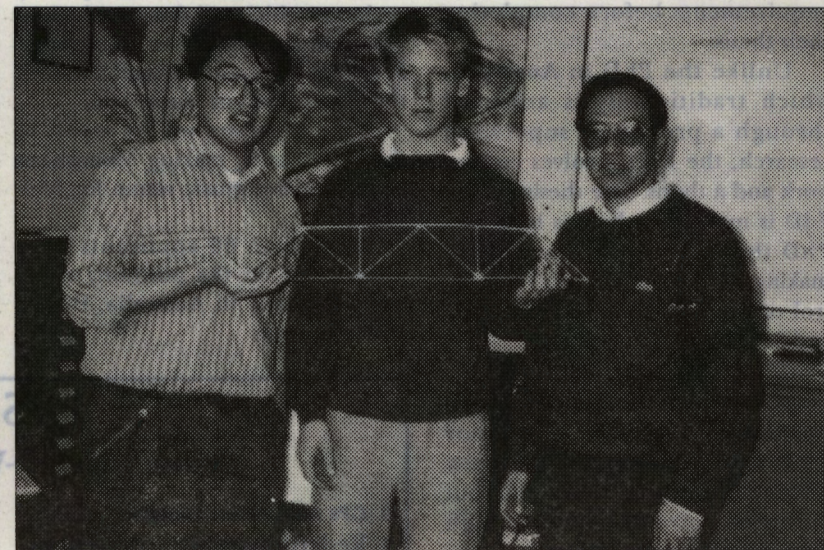
Seen from above, the bridge was only one spaghetti strand wide. It was balanced at both ends with side supports.

Interconnecting members between the top and bottom strands were used to spread the load back to the supports.

"After further thought, we realised that six lateral supports could be removed, without reducing the bridge's load capacity," Mr Meyer said. "This was done and the bridge was successful at the national competition, winning with a weight of 27.72 grams."

Mr Meyer added that the major factor contributing to the team's success was positive thinking. "We did not contemplate the bridge failing," he said.

Mr Quy Le (pictured right) was staff advisor and Mr Murray Muspratt organised the Caulfield campus competition. Mr Kelvin Lillingstone was the overall project organiser.





## GPs to assess coronary risks

The family doctor is the focus of a new study to prevent heart disease. The role of GPs in managing patients' risk factors is to be examined in an extensive Australia-wide research project run by Monash University and the National Heart Foundation.

Established with a \$600,000 grant from the Department of Community Services and Health, the Risk Study in General Practice (RISK) aims to help GPs provide more effective care.

The Department of Community Medicine will coordinate the first phase over the next two years. Further funding will be sought to complete the program.

Study director, Dr Denise Ruth, of the Department of Community Medicine, said that doctors and patients were aware of the risk factors for heart disease, which included high blood pressure, blood cholesterol, smoking, diet and exercise.

However, doctors probably lacked the confidence and skills to make and sustain changes in patients' lifestyle and diet.

"The study is unique because it will develop educational programs based on the attitudes of GPs and

patients to management of risk factors," Dr Ruth said.

"We need to look at the doctor's role, and develop better information for patients to encourage and support lifestyle change, as well as better information about drug treatment."

The study will gather information through group meetings, in-depth interviews and a national survey of GPs, to form the basis for a coronary risk factor management program.

Director of the National Heart Foundation, Dr Robert Hodge, said



GPs were influential in changing the behaviour of patients at risk from lifestyle-related diseases.

"We believe the rate of premature death from heart and blood vessel disease in Australia could be further significantly reduced if GPs are provided with the assistance they request," he said.

The Dean of Medicine, Professor Robert Porter, said the faculty of Medicine was completely in tune with the aims of the study, which recognised the important role of GPs in providing community health care.

Chairman of the risk program development working group, Dr Leon Pitermann, a senior lecturer in the Department of Community Medicine, said the study was the only one of its kind in the world and should place Australia in a unique position in primary care management.

At the launch of the joint research project are (from left) director of the National Heart Foundation, Dr Robert Hodge, study director, Dr Denise Ruth, and chairman of the risk program development working group, Dr Leon Pitermann.

## IVF babies' health examined

The physical and psychological health of Australian IVF children is to be studied by a Monash research team.

The project, believed to be the first in-depth study of its type in the world, will examine the growth and development of children conceived through in vitro fertilisation.

Four years in planning, the study will be led by Dr George Halasz, a senior lecturer in the Department of Psychological Medicine at Monash Medical Centre, and also will involve staff from Monash Medical Centre, Epworth Hospital and the Royal Women's Hospital.

Dr Halasz said the three-year project would study 440 families, comparing the growth and development of two-year-old IVF babies with children from a control group born at the same time.

"We have had ten years of IVF technology in Australia, and to date there has been absolutely minimal reporting of the longer-term, com-

prehensive outcome of that technology," he said.

"There's a lot of popular myths and ideas in the community on IVF children. There have been suggestions that IVF babies are at increased risk of certain physical complications but no-one has data to back it up."

Dr Halasz said detailed data on the physical effects of IVF births was available from the National Perinatal Statistics Unit in Sydney. The data showed more perinatal deaths and more cases of spina bifida.

"We don't know whether it's due to the IVF process or due to the fact that in IVF we have multiple births or premature babies more often. Each of these conditions has its own increased risks," he said.

"We're trying to find out whether the IVF process increases risks, and the existing data base cannot answer

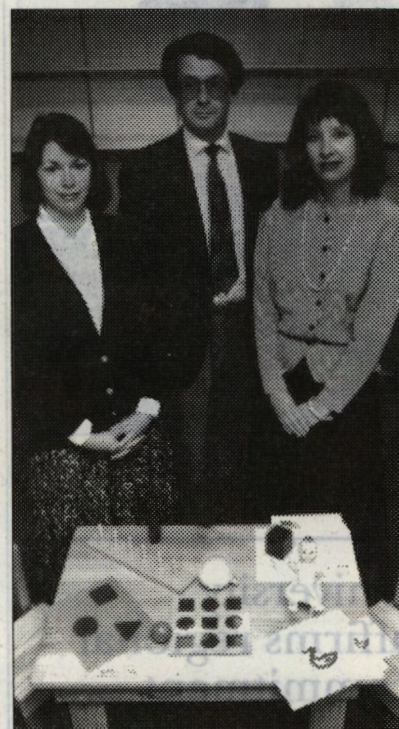
the questions because it's not derived from control studies.

"At the end of this study we should be able to make an informed statement on whether the technology itself has had any effect on the children."

Funding has been provided by the Victorian Health Promotion Foundation and the Research and Development Grant Advisory Committee of the Department of Community Services and Health.

Other members of the research team are Department of Health epidemiologist, Dr Judith Lumley, Monash Medical Centre paediatrician, Dr John Spensley, and Melbourne University clinical psychologist, Dr Jill Astbury.

Assessments of children and families will be carried out in the Department of Child and Adolescent Psychiatry's Centre of Developmental Psychiatry, at Monash Medical Centre, by Dr Judith Monroe and Dr Kerry Saunders.



Dr Kerry Saunders, Dr George Halasz and Dr Judith Monroe

## OBITUARIES

### Sir Richard Eggleston

Distinguished jurist and Chancellor of Monash University from 1975 to 1983, Sir Richard Eggleston, died on 16 January. He was 81.

Sir Richard came to Monash in 1974 as a special lecturer in the Faculty of Law, following a career which spanned teaching, legal practice and service on the Bench.

He is known as one of the most vocal legal critics of the sacking of the Whitlam government in 1975. He argued there had been no need for the governor-general to sack Mr Whitlam to solve the constitutional crisis.

Sir Richard was born in Melbourne in 1909 and educated at Wesley College and Queen's College in the University of Melbourne.

Admitted to the Victorian Bar in 1932, he developed a substantial

practice, specialising in industrial law, and lectured in equity at the University of Melbourne's Law faculty. He was appointed King's Counsel in 1950.

Appointed to the Bench in 1960, he served as a judge of the Supreme Court of Norfolk Island, the Commonwealth Industrial Court and the Supreme Court of the ACT until his retirement in 1974.

He became the first president of the Commonwealth Trade Practices Tribunal in 1966, and from 1968 to 1972 was pro-chancellor at the Australian National University.

Sir Richard was knighted in 1971 and awarded the honorary degree of Doctor of Laws by the University of Melbourne in 1973, and by Monash University in 1983.

In 1981 he became the first Australian judge to be elected to Fellowship of the Academy of Social Sciences in Australia, largely on the basis of his writing on the law of evidence which occupied much of his time at Monash.

He was closely involved in teaching the Trade Practices course and established the subject Problems of Proof, which deals with various themes in evidence.

His research on the connection between mathematical probabilities and legal proof led to the publication in 1978 of his book *Evidence, proof and probability*, which won international praise.

He is survived by his wife, Marjorie, and three children.

### Professor Bill Scott

One of the founding academics of Monash University, Emeritus Professor Bill Scott, died on Christmas day after a long illness. He was 74.

Professor Scott was the first professor of English and was later vice-chancellor. He was born in 1916 and educated at Melbourne Boys' High and at Melbourne University, where he took an honours degree in English in 1937.

He was a tutor, lecturer, senior lecturer and reader at Melbourne University's English department for 23 years, interrupted by two years at Balliol College, Oxford from 1946-8.

In 1960 he was appointed foundation professor of English at Monash and was instrumental in shaping the content of the arts degree.

He built up a strong English department and encouraged the study of Latin, Greek and other languages. He was dean of the faculty of arts for six years.

In 1972 he was appointed deputy vice-chancellor, and he became Monash's second vice-chancellor in 1976.

Professor Scott is remembered by his colleagues as a fine scholar and distinguished academic, devoted to the traditional idea of a university as an autonomous institution concerned with the pursuit of knowledge.

He is survived by his wife, Margaret, and three children.



## Flat rate for art and craft courses

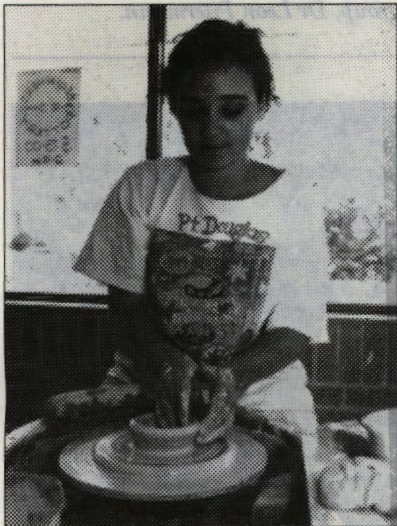
At a time when most prices are rising, the Monash Arts, Crafts and Tuition centre (ACT) on the Clayton campus has announced a price reduction.

The centre is offering students a special flat rate of \$20 per workshop.

This year, the centre has a program of 55 courses ranging from scientific illustration to life drawing; pottery to car maintenance. The courses are run by university tutors and outside instructors, all specialists in their field.

Studio costs and equipment hire charges are also kept to a minimum, which means the centre now offers workshops at half the price of other courses.

If you want to learn classical guitar, photography, stress management, wildlife art, or cartooning, phone 565 3180 or drop in to the centre (near the Union) between 10 am and 3 pm weekdays for a program. Classes start on 25 March.



Pottery classes are among the most popular at the centre.

## University affirms regional commitment

Cooperation between Frankston campus and the local community is the focus of a new project, entitled *Monash - Mornington peninsula and Western Port region project*.

The project confirms Monash's commitment to linking education, research and the community.

Staff and students from the university's three campuses met with local residents, interest groups, legal parties, and local and state government representatives to discuss how the community and the university can interact more effectively.

Keynote speaker Dr Jean Watson, Director of the Centre for Human Caring at the University of Colorado, presented the American experience, involving collaboration between the University of Colorado and the Denver community.

Dr Bruce Wearne, of the Monash project team, said: "The university quite properly belongs to its region, and improved communication between specialists can only facilitate the sense of community in the area."

The initial seminar was conducted by the faculties of arts and professional studies at the Frankston campus to identify areas of mutual interest.

# Redefining the image of the Australian entrepreneur

Professor Denis Kiellerup started in business at the age of 14, manufacturing and selling bee veils to apiarists. He's been in some form of business every since, whether it was haycarting or building houses.

In 1987 he launched a public venture capital company on the second board of the Melbourne Stock Exchange. Seedcap (short for "seed capital") was set up to support new ventures. Over two years, Professor Kiellerup assessed 2,500 new businesses. Now he's doing much the same thing as Executive Director of the Centre for Enterprise Development and leader of the New Enterprise Incentive Scheme (NEIS).

Professor Kiellerup is untiringly enthusiastic about the business potential in Victoria and won't tolerate "doom and gloom" talk of recession. He also believes Australians need to redefine their image of the entrepreneur.

Many of Australia's so-called entrepreneurs are hustlers and shysters, according to Professor Kiellerup. The legitimate entrepreneur is a "monomaniac with a mission". Many of our future entrepreneurs are currently unemployed, he says.

## Potential

The New Enterprise Incentive Scheme is a Department of Employment, Education and Training (DEET) initiative. The scheme assesses the potential of unemployed people and, where possible, give them the knowledge to start their own businesses.

For six weeks, the successful applicants are taught research skills, sales processes, marketing strategies, time management techniques, manufacturing systems, advertising principles and business ethics. All classes are conducted by experienced business people.

To qualify for the scheme, applicants must be registered unemployed and they must have an idea.

All applicants are assessed over a two-day period.

"We ask ourselves, are these people open-minded and curious, are they market driven, do they know how to make the most of a situation," Professor Kiellerup explains.

## Profit

Sixty students are currently working through the program under Professor Kiellerup's direction.

In the first class, Professor Kiellerup asks: "What is a business?" The answer: "the exchange of goods or services for money at a profit".

"Profit is very important," Professor Kiellerup says, and everyone laughs although it is no laughing matter. Many small businesses fail within the first few years. The aim of the NEIS program is to reduce the chances of a business failing.

The second class has advanced to in-depth market research. Each participant is given a week to assess the potential of their planned business.

This involves contacting their competitors and asking for information (most people are helpful and cooperative), working in similar retail outlets, talking to customers and checking the *Yellow Pages* for the number and location of similar businesses.

## Encouraging

The results are encouraging. One woman plans to sell decorated tiles. "People wanted to place orders," she reports to the group with delight.

Another woman is interested in setting up an alternative medicine clinic. She rang 40 acupuncturists. Thirty-six provided her with valuable feedback.

"There's a tremendous buzz in watching people grow in confidence," Professor Kiellerup says. "Many of them have life-changing experiences on this course. All of a sudden, the whole world opens up for them."

"That doesn't mean that every business plan goes ahead. Usually ideas have to be modified, but that's exciting, that's part of seeing an opportunity and going for it."

"We have some very talented people in these groups. There are biochemists and computer people."

Someone wants to open a health food store, another a florist. One woman makes her own jewellery. A man wants to export Japanese-style furniture to Japan. A husband and wife team want to manufacture fluorescent leisure wear.

The scheme attracts an equal number of men and women representing a wide range of nationalities. Most participants are aged between late 20s and early 30s.

## Promising

At the end of the course, each participant must submit a completed business plan. These plans are then assessed by outside consultants and the most promising are passed onto "mentors" for implementation.

"We are currently helping 200 people set up their businesses," Professor Kiellerup says. "As an added incentive, the participants receive income support for the first 12 months regardless of how much money they make ... and they do make money. One of our participants is running Albatross Fishing Cruises from Western Port. Just a few months ago, he was out of work."



Professor Denis Kiellerup, Executive Director of the Centre for Enterprise Development (seated, second from right) with a class of aspiring entrepreneurs.



## Hosts help to beat first year nerves

Four hundred Monash students have volunteered to host 7000 new students during Orientation Week. The host scheme is a feature of the Monash orientation program.

Each year the organisers are inundated with offers of assistance from students who remember what it was like to be a first year undergraduate.

According to organiser Edwina Hanlon, there is never a shortage of volunteers on the Clayton campus, where the host program has become an integral part of Orientation Week.

"We had 300 hosts within a few days," Edwina said.

Caulfield and Frankston campuses also will be running a host program this year with 150 and 70 volunteers, respectively.

Ms Hanlon, who was introduced to the host program as a new student, said the idea was to help new students make friends and find their way around the campuses.

"On their first day it's a relief for new students to see a friendly and familiar face," she said.

The host groups are organised by faculty and suburb, with each host allocated about 15 students. The hosts organise an initial off-campus activity, like a barbecue or beach day, then meet the new students again on host day for a two-hour campus tour, followed by a barbecue and band performance. There's also evening entertainment.

Hosts are also involved in four summer camps, held at the Lord Somers camps and around Mornington Peninsula.

"The whole idea is to make the transition to university less intimidating," Ms Hanlon said. "The emphasis is on making friends and having fun."



Hundreds of clubs and societies will erect a "tent city" on each campus for orientation week.

"We have barbecues, camps and concerts to help students get to know each other."

This year the host scheme is sponsored by the Tertiary Credit Union.

## What's on and where for O-Week

More than 7000 new students will be introduced to Monash University next week. Five days of orientation activities have been planned covering all four campuses.

The orientation activities for Clayton, Caulfield and Frankston begin on Monday 25 February. Gippsland campus has already held its main orientation day. The Gippsland program included an introduction to its schools and courses, a campus tour, and a barbecue in the rose garden.

A special orientation program for overseas students includes a bus tour of local suburbs, lunch in the Botanic Gardens and a visit to Victoria Market.

### Frankston campus

Monday 25 February

Orientation Day for Nursing and Education students

- 9.30 am Opening address in the George Jenkins Theatre
- 10.30 am Dean's address - Arts faculty
- 11.30 am Faculty introductions  
*Education, George Jenkins Theatre*  
*Nursing, Nursing Auditorium, E block*
- 12.30 pm Student Union barbecue and band, library tours and campus tours
- 1 pm Student service departments, information sessions, displays and seminars

### Clayton campus

Wednesday 27 February

- 9.15 am Pipers summon students and visitors to the Robert Blackwood Hall via the Forum. Performance by the Monash Choral Society and Monash Orchestra. Informal recital of organ music by Dr Harold Fabrikant.
- 9.30 am Orientation opening ceremony
- 10.45 am Dean's address - Arts faculty, Robert Blackwood Hall
- 11 am Faculty introductions  
*Business Systems, Humanities lecture theatre 3*  
*Economics Commerce & Management, Alexander Theatre*  
*Engineering, Engineering theatre E1*  
*Medicine, lecture theatre M2*
- 12 noon *Law, Law building L3*  
*Science, Robert Blackwood Hall*

From 1 pm the clubs, societies, sport and recreation information booths will be set up in the Forum. About 100 groups will be putting on demonstrations, handing out information, and offering refreshments. Special events will include ballroom dancing demonstrations, free barbecues, volleyball exhibition games, dodgem cars and buskers, health assessments, canoe polo demonstration and free introductory modern dance classes.

### Caulfield campus

Thursday 28 February

- 9.30 am Opening address, Chisholm Hall
- 10.30 am Faculty introductions  
*Arts, Chisholm Hall*
- 11.30 am David Syme Faculty of Business, Chisholm Hall  
*Professional Studies, B218*  
*Computing & Information Technology, B215*  
*Engineering, B213*  
*Science, F201*
- 12 noon Schools/departments introductions  
*Accounting, B213*  
*Marketing, B224*  
*Banking & Finance, B214*  
*Management, B220*  
*Art & Design, B221*  
*Social & Behavioural, B218*  
*BA Computing (Information Systems), B215*  
*BA Computing (Digital Technology), F323*  
*Grad. Dip. Computing, F317*  
*Master of Computing, F209A*  
*Physics, F310*  
*Chemistry, F315*  
*Mathematics, F313*

Throughout the day, the clubs and societies representatives will man information tables and tents. Special events will include library tours, hockey games, dodgem cars and buskers, aerobics classes, martial arts demonstrations, volleyball match, free barbeque and band, theatrical performances, social cricket match, and an eight hour, overnight debate.



### Caulfield campus

Part timers' orientation

- 5.30 pm Keynote address, Chisholm Hall
- 7.00 pm Dean's address  
*Syme Faculty, B213*  
*Professional Studies, B218*
- 8.00 pm Schools/departments introductions  
*Accounting, B213*  
*Banking & Finance, B214*  
*Management, B220*  
*Marketing, B224*
- 9.00 pm Social evening in Student Union, entertainment, supper, displays and information sessions.

### Frankston campus

Friday 1 March

- Frankston Syme Faculty, Professional Studies and Computing Students
- 8.00 am Monash Association of Debators (MAD) breakfast
- 9.30 am Opening address in the George Jenkins Theatre
- 12 noon Schools/departments introductions  
*Accounting, D410*  
*Marketing, D411*  
*Banking & Finance, D422*  
*Management, D209A*  
*Professional Studies*  
*Art & Design, B161*  
*Social & Behavioural, A47*  
*Computing*  
*Information Systems, D209B*
- 1 pm Clubs and societies information tents and tables. Activities will include fencing demonstrations, table tennis tournament, barbeque and band on the lawns next to the Union building, library orientation tours, free aerobics classes, and an outdoor concert starting at 6 pm.

For a complete program of orientation activities on the three campuses, contact Toni Wallace on (03) 565 4163.



# Take a walk around Clayton campus

We have devoted the centre pages of this supplement to the Clayton campus because it is the largest – and most intimidating – campus for new students. All Monash students can make use of the facilities on the Clayton campus, and are encouraged to visit the campus during Orientation Week, even if they are studying at Caulfield, Frankston or Gippsland. For this reason, O-Week has been staggered over a number of days, so students have time to visit each campus.

The Clayton campus comprises about 60 buildings set on 100 hectares. The walking tour described below is an excellent way to get to know the campus, or to reacquaint yourself with its features. Even long-time staff members and students may not know that the campus has the most accurate pendulum in the world or that parts of the ill-fated Westgate Bridge are located at Clayton.

To find out more, take a stroll. This walking tour begins at the Robert Blackwood Hall (1 on the map).

*Guide compiled by Samantha Kerr*

The hall, completed in 1971 at a cost of \$1.2 million, is named after the first chancellor of Monash, Sir Robert Blackwood.

A feature of the hall is the Louis Matheson pipe organ, which was built in West Germany and assembled in the hall. Named in honour of the university's first vice-chancellor, it has an international reputation and has been compared with the best instruments of the 17th and 18th centuries.

The Lindesay Clark window on the western wall is one of the most photographed features of

Swift collection, which includes a handwritten letter by Swift, author of *Gulliver's Travels*.

There are four libraries on campus – the Hargrave library which combines engineering and the physical side of science; the biomedical library which services medicine and the biological side of science; the law library which is purely for law students; and the main library.

In the Forum (4), the lawn area between the 11-storey Robert Menzies School of Humanities building (5) and the two-storey Union building, is a native tree and shrub garden. The university has a policy of planting Australian trees in all open areas.

You can go to the 11th floor of the Menzies building, also referred to as the Ming wing, to view the grounds. The university is laid out in a horseshoe pattern. On the northern side of the horseshoe is the engineering faculty, which is next to the computer centre and mathematics building. Coming south down the western edge is physics, chemistry and

the biological departments of the science faculty, which is adjacent to the medical school. Further



*This view to the Robert Blackwood Hall takes in the Menzies Building (Ming wing), the Union building and, in between, the Forum.*

around is the Menzies building which accommodates the arts and economics commerce and management faculties. On the south side of the Menzies building is the David Derham Law School, the Gallery building and the Alexander Theatre, attached to the Rotunda.

The Gallery building (6) houses the Monash permanent art collection and temporary exhibitions on the ground floor. On the first floor is the Higher Education Advisory and Research Unit (HEARU), the Monash Orientation Scheme for Aborigines (MOSA), the Health in Primary Schools (HIPS) project team and the Public Affairs office. The Koorie Research Centre, human bioethics and environmental science are on the second floor.

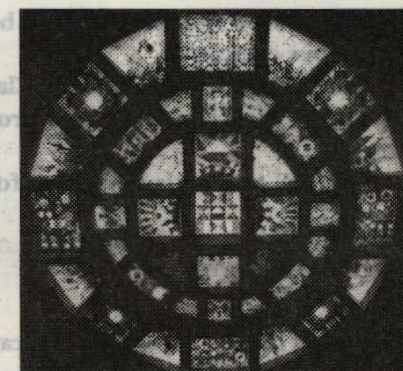
## International recognition

The Alexander Theatre (7) opened in 1967 and is named after the great Australian philosopher, Samuel Alexander. The theatre gained international recognition when a model and photographs of it were displayed at the opening of the Kennedy Centre for Performing Arts in Washington in 1972.

The theatre has professional, amateur and children's performances throughout the year.

Across Ring Road South is the Japanese Studies Centre (8) which has been built in the Japanese architectural style.

The education faculty (9) and the Dinah and Henry Krongold Centre for Exceptional Children (10) complete the horseshoe.



*The Lindesay Clark window is a feature of the Robert Blackwood Hall.*

The centre was established to cater for children with educational handicaps, as well as children with outstanding intellect.

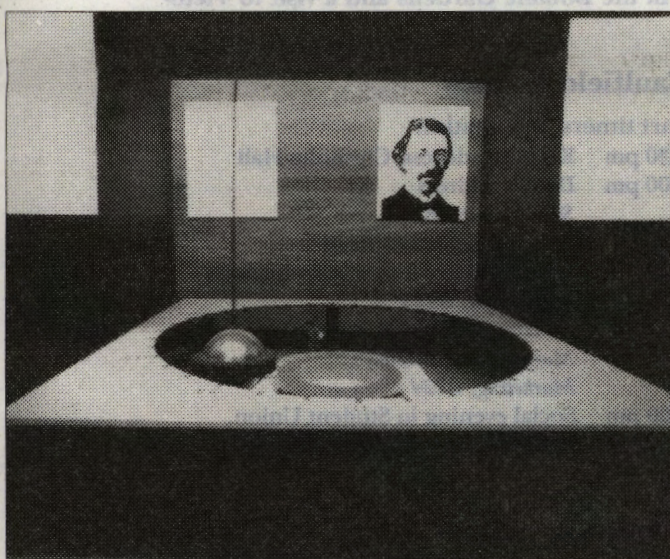
In the north-east corner of the university are the halls of residence – Deakin, Farrer, Howitt, Roberts and Richardson. About 1000 students and senior residents live in the halls.

Opposite the halls of residence, across Normanby Road, is Normanby House. Here you will find the English Language Teaching Centre, the Office of Continuing Education, which organises conferences and seminars, and the headquarters for the University of the Third Age, which caters for retired people.

## Connecting walkways

On the outskirts of the university are carparks for about 7000 vehicles. Monash is designed for walking, with all parking on the perimeter. Walkways connect all the major buildings.

If you want to take a closer look at the university, leave the Menzies building and proceed to the science side of the horseshoe, past the biomedical library and



*The Foucault pendulum is the most accurate in the world.*

the university. Created by Leonard French, the window was named to honour industrialist and benefactor, Sir Lindesay Clark. The 16-sided window is made up of 41 stained glass windows fitted together in a concrete frame.

Leaving the Robert Blackwood Hall and moving westward to the centre of the university you pass the university offices (2) (student administration, personnel and finance) on the right and the main library on the left (3).

The main library, opened in 1963, houses material for arts, economics, politics and education. A feature is the rare books room which holds approximately 22,000 titles. Nine hundred of these make up the Jonathon



*The main circular chapel of the Religious Centre is 23 metres in diameter and has 20 stained glass windows.*



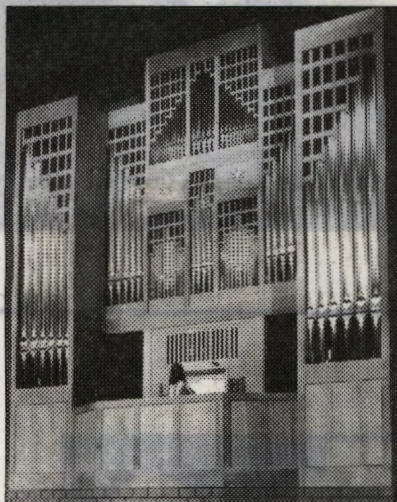


Clifton Pugh's fruit bats fly among the trees near the Zoology building.

through the central science block.

On the outside walls of the zoology department (11) you will notice an unusual sculpture of fruit bats by Clifton Pugh.

In the mathematics building (12) you will find the Foucault pendulum, located in the lift well on the ground floor. The pendulum, the second to be built at Monash, is the work of the late Dr Carl Moppert, who was a



The Louis Matheson pipe organ, named after the first vice-chancellor, was built in West Germany and assembled in the Robert Blackwood Hall.

senior lecturer in mathematics, and is named for the scientist who first expounded the theory of the pendulum more than 100 year ago. The suspension shaft runs from the top of the building down the lift well, making it the most accurate pendulum in the world.

### Kite exhibit

From here, proceed to the engineering building (14). On the way you will pass the cafeteria and Hargrave library (13). This building is named for Lawrence Hargrave, a noted inventor and aircraft designer. There is a permanent kite exhibit on the first floor.

At the south-west corner of the engineering building is a piece of the Westgate Bridge which collapsed in 1970 killing 35 people. The display is accom-

panied by an explanation of why the span collapsed.

This building also houses the largest wind tunnel outside North America and is part of the environmental fluid mechanics laboratory which adjoins the wave tank area. The wind tunnel measures 50 metres by 10 metres with a height of five metres. It contains two fans, each five metres in diameter.

### Sporting facilities

Leaving this side of the university, walk toward the Ring Road East via one of the sports grounds. More than 12 hectares of the campus are set aside for sporting facilities. Walk along the Ring Road East to your right until you get to Union Road. You

will pass the sport and recreation complex (15) on your left which comprises a gymnasium, recreation hall, squash courts, table tennis room, weight lifting room, tennis courts, swimming pool, spa, sauna and change rooms.

Turn right down Union Road towards the Union building (17) in the centre of the university.

The Arts, Crafts and Tuition Centre (ACT) (16) is just north of the Union. There are eight major studios and ancillary areas designed for art and crafts groups.

On the north wall of the Union building (17) is the sundial, also designed by Dr Carl Moppert.

### Shops and cafeterias

The Union contains a number of commercial facilities including banks, travel agents, a pharmacy, post office, credit union, book shops, a record shop and cafeterias. There is also a cinema, billiard rooms, rehearsal and music practice rooms, student radio station 3MU, administrative offices and club facilities. About 18,000 people pass through the Union daily. From the Union building proceed to the Religious Centre (18).

The large circular chapel, 23 metres in diameter, is designed for denominational or combination services with a seating capacity of 450. The sloping walls give the impression that, wherever you stand, the floor is rising in

front of you. Twenty abstract stained glass windows, designed by Les Kossatz, are set in the walls of the chapel.

Surrounding the main chapel is a corridor with six vestries or meeting rooms. There is also a small chapel which seats 50. The centre is used for Roman Catholic, protestant, Islamic and Buddhist services.

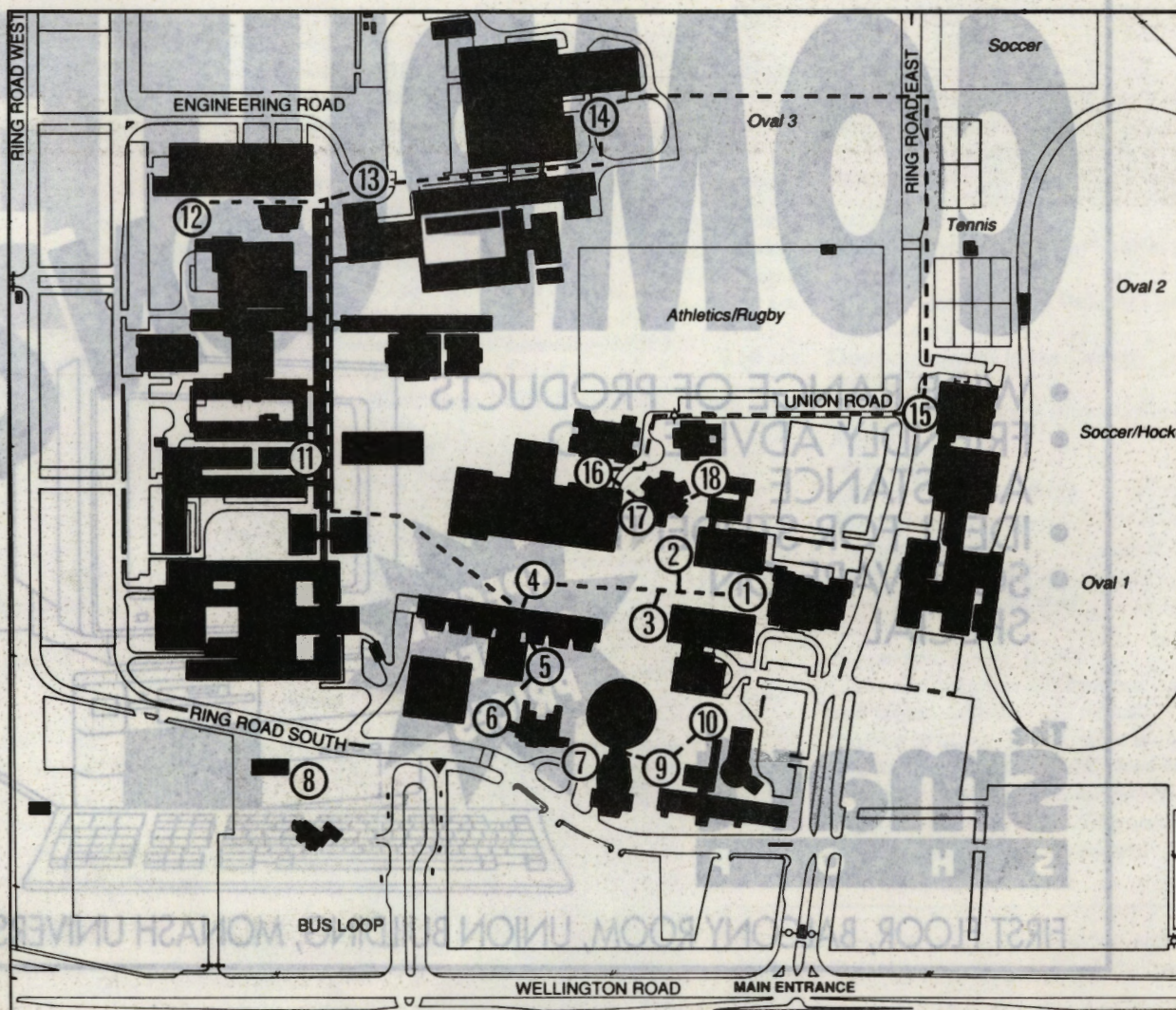
This tour concludes at the Religious Centre.



A sundial is located at the rear of the Union building.

FOOTNOTE: Many paths at Monash don't follow straight lines. This is because the first vice-chancellor, Sir Louis Matheson, decided that the paths would follow the tracks people took between buildings.

## Clayton campus walking tour map







A selection of last year's O-Week activities

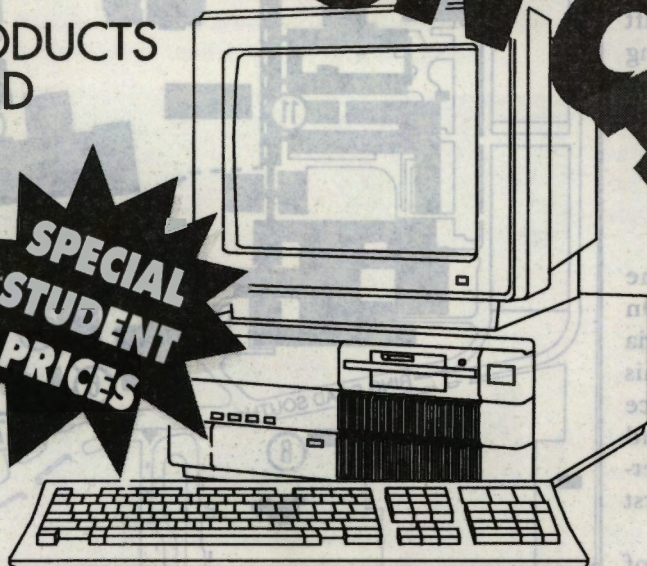


# COMPUTERS

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STUDENT  
PRICES**



FIRST FLOOR, BALCONY ROOM, UNION BUILDING, MONASH UNIVERSITY

**CAMPUS**

PARAMOUNT 04/2



# Top scholars focus on earthquakes and wildlife

The university's most prestigious scholarships and fellowships have been announced by the Monash PhD and Research Committee.

Mr Julian Seidel has been awarded the Sir James McNeill Foundation postgraduate scholarship. Mr Robin Humble holds the Vera Moore Junior Research Fellowship and Ms Gail Morgan has received the Monash Silver Jubilee Postgraduate Scholarship.

Mr Seidel completed his undergraduate degree in civil engineering in 1978 with first class honours and was dux of the Faculty of Engineering, winning numerous prizes.

According to Dr Ian Johnston, Associate Professor in the Department of Civil Engineering, Mr Seidel was the most outstanding undergraduate the department has seen.

In the 12 years following his graduation, Mr Seidel has worked as a geotechnical engineer. He plans to research the behaviour of piled foundations for offshore structures such as oil and gas platforms.

The results of Mr Seidel's research should substantially reduce the risk and cost associated with offshore structures. His work is also important for high-rise building in Australia's earthquake-prone areas.

Mr Robin Humble's research also involves earthquakes. He will be analysing tsunamis, large, often destructive sea waves caused by underwater earthquakes.

Mr Humble will look at classical tsunamis, like the giant waves which probably followed the eruption of the volcano at Santorini in 1500 BC. The effects of this eruption on the island of Crete have been proposed as an explanation for the destruction

of the Minoan civilisation. Mr Humble's analysis will involve computational mathematics, fluid dynamics and archaeology.

Professor Joe Monaghan, Professor Applied Mathematics, describes Mr Humble as an "outstanding applied mathematician with a real flair for analysis and computing".



PhD scholar, Mr Julian Seidel, pictured with the Cyclic Constant Normal Stiffness Direct Shear Machine, which was built over four years by Dr Ian Johnston, associate professor in the department of civil engineering. This machine is the only one of its kind, and it will help Mr Seidel assess the impact of earth movement on offshore structures like oil platforms.

Ms Gail Morgan intends to pursue a course of study and research in the Faculty of Law which will lead to the degree of Doctor of Philosophy.

She already holds an honours degree in economics and a Master of Laws with first class honours from Sydney University.

Her major thesis was titled 'Euthanasia of defective newborns: The social engineering of death.' This led to her appointment as legal research officer with the Centre for Human Bioethics at Monash.

Ms Morgan has also practised as a solicitor and was legal officer with the New South Wales Law Reform Commission preparing reference papers on community law reform, alternative dispute resolution and artificial insemination.

Ms Morgan's next thesis will focus on effective protection of Australian wildlife and will include an analysis of the Wildlife Protection Act of 1982.

Her study will be the first detailed critical analysis of the effectiveness of wildlife protection strategies. It will cover historical, comparative, biological and reform issues.

The Monash Silver Jubilee Scholarship awarded to Ms Morgan has been supplemented by the Monash Law School Foundation to bring the stipend up to \$25,000, making this award the most prestigious law scholarship in Australia.

## Monash memories

To commemorate the 30th birthday of the Clayton campus, Montage will talk to some of our longest serving staff members about the early days. In this first article we meet Norm Watt, who was the eighth staff member to join the university.

He started as purchasing accountant on 1 August 1960 and has been with the university every since. Today, you can still find Norm in finance, or doing the rounds of the wharves and airports picking up strange packages for medicine, zoology, and biology.

He admits retirement is looming (he's 65 in April), but he's not worried about being bored. Norm is in great demand as a movie extra. He recently appeared in the telemovie 'Death of a Soldier' and has been offered parts in 'Darlings of the Gods', 'The Sullivans' and 'Carson's Law'.

Norm has been typecast as a chauffeur but he suspects that it is his rare 1935 Humber Snipe which is the drawcard. Norm spent five years restoring the Humber.

Norm's other passion is fishing. In 1988 he landed some pretty impressive mullet and salmon in Waratah Bay to win a surf fishing competition.

As well, Norm has owned a few racehorses, one of which won 14 races, and has worked at the Caulfield racecourse for 35 years as assistant to the judge's box and stand supervisor.

His memory of past events is impressive even going back to the score of a campus cricket match played in 1961.

"The architects challenged the staff to a cricket match," Norm recalls. "We were all out for 185."

The following article includes some more of Norm's recollections.

### I remember when ...

There were only eight staff members on campus, and the campus was an enormous expanse of orange mud. You had to wear gumboots if you walked out the door.

I was working in what is today the vice-chancellor's house and the main office was located downstairs in the garage. Around midday I'd smell lunch being cooked by the v-c's wife and I'd feel like taking a bite out of the desk.

We didn't have a canteen and only one telephone line and one car. The comptroller, Frank Johnson, would get bogged on the corner of the Princes Highway and Clayton Road when he went to pick up the office staff in the morning. There was no public transport back then.

I did everything, finance, purchasing, salaries. I was it. When the finance staff increased to four people we were transferred to a builder's hut. It was the middle of summer and the temperature hit a hundred. To cool down, we covered the hut with hessian and poured water over it, like a coolgardie safe.

The Faculty of Medicine was in another hut and the Department of Chemistry was sharing facilities at Melbourne University in a room that's now used as a broom cupboard. That was Monash. The first Christmas party was held in the grounds of the vice-chancellor's house and, including the gardeners, there were only 36 people.

The university opened in March 1961 with 380 students. On open day, Professor Jock Marshall from



Mr Norm Watt, with the rare 1935 Humber Snipe which he restored.

zoology dressed a skeleton in an academic's gown and sat it on the roof.

In those days, everyone pitched in and helped. One day I was asked to pick up some animals for zoology. I didn't take a cage with me and ended up driving across town with rabbits and guinea pigs leaping about all over the car. We found some rabbits a couple of days later, hiding in the springs of the back seat.

I was always being asked to collect weird things from customs. Part of my job was to pick up from the wharves and airports. Sometimes it would be radioactive isotopes, a human bladder cell, or mouse monoclonal antibodies. Just recently I had to pick up humisected chicken eye balls fixed in glutaraldehyde and phosphate-buffered sucrose.

When I started I thought I'd last a week. I've been here 30 years.



# Theatres attract glowing reviews

"The 20 year success of the Saturday Club for children and parents and the many imaginative coventures with community groups and professional theatre entrepreneurs in the past two decades is a measure of the imagination and flexibility with the theatre's management - and, in particular its manager, Mr Phil A'Vard - has applied to the problem of filling the theatre in absence of ongoing subsidy."

"Monash has been the envy of many communities for having a highly visible theatre which presents over 300 performances to 100,000 people each year."

"The potential for the development of the George Jenkins Theatre (on the Frankston campus) is enormous ... its central location in Frankston and the fact that it is the sole, fully-operational, conventional theatre space in the Mornington Peninsular are major strengths."

These are some of the comments by theatre consultant Mr Justin Macdonnell in his recent review of the Alexander and George Jenkins theatres.

According to Mr Macdonnell, there has never been a time when the theatres have been more relevant, particularly for developing ties with the local community.

"The theatres also ensure that in an age when increasing emphasis is placed on vocation training, Monash University continues to place a high priority on the growth and exposi-



Manager of the Alexander Theatre, Mr Phil A'Vard, shows the way to a season of great entertainment.

tion of the civilising values of the arts in education and in society," he said.

Mr Macdonnell does admit that "much work needs to be done, and some changes effected to ensure that current practices are enhanced and the many opportunities offered by the facilities actively taken up by the university."

As a result of Mr Macdonnell's initial recommendations, a board of

management for university theatres has been established to replace the Alexander Theatre committee.

The board is headed by Deputy Vice-Chancellor Professor Geoff Vaughan, and will include the comptroller or nominee, the coordinator of the Frankston campus, four appointments from the Academic Board, a student representative, the director of student theatre, two

senior executives from the Monash business precinct, a senior executive from the Playbox Theatre Centre of Monash University, a representative from local government and the director of university theatres.

The board will initially assess Mr Macdonnell's other recommendations. These include the creation of a theatre studies working party and suggestions for improved relations with local government, audience development programs and youth theatre.

Professor Vaughan said he was confident that many of the suggestions would be accepted.

"The theatres are a cultural asset linking the university to the community. We want to expand this resource," he said.

Professor Vaughan added that he appreciated the work of the former committee, and now felt a change would bring an injection of new ideas.

"There is an interesting challenge ahead for the new committee," he said.

Phil A'Vard, manager of the Alexander Theatre, said: "The review will make the university community aware of something the outside theatre industry has always known - the Alex is a significant force in the Victorian theatre scene."

## New season offers Australia's best

The Alexander Theatre will bring some of the best theatre from around Australia to Clayton this year.

This year's subscription series of adult theatre at the Alex will include productions from Playbox Theatre, Victoria State Opera, and Perth's Hole in the Wall Theatre Company.

As an added bonus, three of these productions will transfer to the George Jenkins Theatre on the Frankston campus. *Alive and Kicking*, *Wallflowering* and *The Adman* also will be presented at the George Jenkins Theatre.

Both theatres will offer a discounted subscription price to staff and students of Monash University. For further information phone the Alex on 565 3992.

The following guide has been supplied by Playbox Theatre.

### Sisters

9 April - 13 April



*Sisters* is written, and will also be directed, by acclaimed Australian playwright, Stephen Sewell. This superb drama sensitively explores themes of loyalty, jealous and the inescapable power of blood ties as two sisters, reunited at the family hol-

iday home after many years, go through a process of healing and reconciliation.

### Alive and Kicking

29 May - 8 June



This delightfully off-beat comedy from Playbox proves that age is no barrier to love and laughter. Alan is 80. His wife, Maisie, has just died but he is not alone: he still talks to her in the garden and Henry, the canary, is good company. Then Stan, his life-long friend, moves in. Stan invites Peter the gardener, who brings along Rebecca, his adopted grandmother. After rescuing her from a nursing home, they offer refuge to Louise, completing a household with more tenacity than teeth.

### Così Fan Tutte

Victoria State Opera  
11, 13, 15 June

The Alexander Theatre is again proud to present the Victoria State Opera and Richard Dival, who this year will conduct the company in one of Mozart's more hot-blooded operas. Two soldiers plan to test the fidelity of their respective fiances by approaching them incognito and toy-

ing with their heart strings. The women stand firm - for a while at least.

### Wallflowering

23 July - 3 August

Two legends of Australian show business, husband and wife team, Jill Perryman and Kevan Johnston, trip the light fantastic in this brilliant comedy. *Wallflowering* is the story of Peg and Cliff Small, ordinary people with ordinary expectations. Together they have stormed the ballroom dancing circuit with a routine they have perfected and performed time and time again. But when Peg suddenly falls under the influence of adventurous "friends" and goes to a party dressed as a carrot, their world begins to change.

### The Adman

14 August - 24 August



The final production for the season from Playbox is a cheeky insight into the dog-eat-dog world of modern advertising. Col Anderson is the ageing industry lion who is being out-run by a new breed of jingle predators.

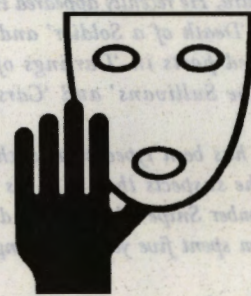
## Performance honours Italian lecturer

The Italian section at Monash University in conjunction with Comtearteo Theatre Company and CIS Educational will hold a special performance of *Mistero Buffo* by Dario Fo.

Proceeds from the performance will go towards a fund set up to honour the late Mr Joseph "Joe" Gioscio who introduced and developed Italian at Monash.

Joe acquired a reputation as an outstanding teacher committed to academic excellence. He was respected and admired for his devotion to teaching, personal warmth and courage.

Joe died on 20 September 1988.



The Joseph Gioscio Italian Studies Fund will provide a annual travelling scholarship to students of Italian at Monash.

*Mistero Buffo* will be performed at the Essendon Civic Theatre, Moonee Ponds, on 23 and 24 February at 8 pm. Tickets are available from the Italian secretary on the second floor of the Menzies building or phone 565 2212. Donations would be appreciated. Cheques can be made payable to Monash University and addressed to the Joseph Gioscio Italian Studies Fund, c/o Department of Romance Languages, Monash University, Clayton, 3168.



## Scholarships and fellowships

### Postdoctoral fellowship – Australian Wool Corporation

A three year Postdoctoral fellowship in wool textile research is available to physicists, material scientists and chemical engineers. The award involves two years research in Geelong and one year in Yorkshire. For further information: (052) 47 2611.

### Smuts visiting fellowship 1992/93

Tenable in the field of Commonwealth Studies which may embrace archaeology, anthropology, economics, history, human geography, law, literature, oriental sciences, social and political science. Closing date: 31 May.

### Hong Kong University studentship

The University of Hong Kong is offering awards worth about \$A8056 a month to postgraduate students. For further information and application forms, contact the secretariat, Room UG-02, Knowles Building, University of Hong Kong, Pokfulman Road, Hong Kong. Applications from masters and PhD students are considered at the beginning of each term (1 January, 1 April, 1 July and 1 October).

### Norwegian folk high schools bursaries 1991/92

For one year covering food, accommodation and travel expenses. Closing date: 15 March.

### Goeth-Institut language scholarships

Course for tertiary students of German and Dip. Ed. who have completed a German course and a prepared to teach German. Closing date: 15 July.

### Overseas research students awards scheme 1991

The committee of vice-chancellors and principals of the universities of the United Kingdom is offering 850 awards in 1991 to overseas postgraduate students commencing full-time research study at an academic institution. The awards may be held in any field of study. 30 April.

For further information on these and other scholarships, fellowships, study grants and prizes, contact the Higher Degrees and Scholarships Office on 565 3009.

### Heart starter for first aiders

Monash staff who hold a first aid certificate are encouraged to attend a CPR (cardiopulmonary resuscitation) refresher course this year. The Occupational Health and Safety Branch will run several CPR refresher courses during the year. For further information, ring the coordinator, Anne Ohlmus, on 565 5006.

## Research Grants

### David Syme research prize

22 February

### National Health and Medical Research Council 1992

Medical project grants, public health project grants, seeding grants and development program grants for public health interventions. 25 February.

### Public health travelling fellowships

These enable fellows to make post-graduate study tours abroad or within Australia, that relate to their work and which benefit public health in Australia. 25 February.

### HIV study grants

Funds have been provided to enable professional and trained volunteer care-givers to undertake short-term HIV/AIDS related training and study within the health system. 1 March.

### Commonwealth AIDS research grants

The Australian National Council on AIDS invites proposals for research into any aspects of AIDS and HIV in the broad range of biomedical, clinical and social sciences. 1 March.

### CSIRO/Monash University collaborative research fund

The aim of the research fund is to stimulate the development of links between groups which have not previously collaborated, as well as strengthening existing links. Research groups in all sections of CSIRO and the university will be eligible to participate. 31 March.

Further details, application forms and guidelines may be obtained from the Office for Research, extn 75 3085 or 75 3012. Applications must be lodged by the date specified.

### After hours language courses

The Faculty of Arts' Language Centre will run a 12-week evening program of language courses starting next month.

Courses included Cantonese I & II, Mandarin I & II, Chinese for health professionals (Mandarin), French I, II & III, German I & II, Modern Greek I, Hindi I, Indonesian I, Italian I, Korean I, Russian I, Spanish I, II & III, and Thai I.

Also offered is a three hour per week intermediate German (prerequisite: 80 hours of prior instruction) for \$250.

All courses will be held from 6.30 pm to 8.30 pm in the Language Centre. Cost to Monash staff and students is \$170 (\$190 to public). Closing date for enrolments is 25 February. Further information and enrolment forms available from the language coordinator, room S318, Language Centre, Menzies building, phone 565 4236.

## Coming events

6 March

Distance education workshop, conference room, level 4, Chisholm Tower, 1 pm. Inquiries: Mr Gavin Moodie, extn 75 2055 or 018 392 195.

7 March

University commencement service, 1.10 pm. Religious centre, Clayton. The Governor of Victoria and the Archbishop of Melbourne will be participating in the service.

20 March

Science graduation, 2.30 pm, Robert Blackwood Hall.

22 March

Science/Medicine graduation, 2.30 pm. Robert Blackwood Hall.

22-24 February

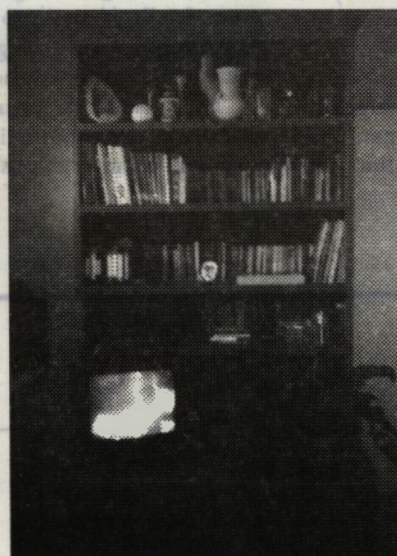
The Department of Anthropology and Sociology will present a conference entitled 'Long-term social and economic processes in human history.' Held in Normanby house, Clayton campus.

27, 28 February & 1 March

Orchestra auditions, music department auditorium, 2-5 pm.

## For sale

Baltic pine bookshelf with protruding base containing drawers. Approx. 8 feet high and 4 feet at base. \$1,800. Phone Vera Mason, 565 2813 (work) or 808 4288 (home). Photo below.



Water ski, black max, grooved tunnel, salem with carry bag. \$100. Phone Vera Mason, 565 2813 (work) or 808 4288 (home).

Stove, slow combustion wood stove with water jacket. Good condition. \$200. Phone Wayne on 565 2813 (work) or 879 4574 (home).

## Wanted to rent

House or flat, short term (1-6 months), starting end Feb. Prefer inner or SE suburbs. For couple (Monash lecturers) with baby. Phone Bruce on 573 2062 (work) or 531 5087 (home).

## To let

Two furnished rooms, suit one or two people. Bathroom and kitchen facilities in quiet house with large garden and studious landlady. Eight minutes from Caulfield campus on no. 3 tram route. Rent negotiable. Ring June on 528 5063.

## Read all about it

Six publications have been developed to meet the varying communication requirements within the university in 1991.

For example, a specialist research supplement will be added to the fortnightly newspaper, *Montage*, for the benefit of academic staff and students with special interests in this area. The six publications are:

## MONTAGE

A fortnightly staff newspaper carrying general articles about activities on the campuses, new appointments, profiles, and comments by individuals. This is an eight page publication, distributed to each department on every campus. The editor, Greg Williams can be contacted on 75 2085.

## RESEARCH MONASH

A four page supplement to *Montage*, featuring in-depth articles on research projects and developments. *Research Monash* is produced every six weeks. The first issue will be available on 13 March. To organise articles for inclusion in *Research Monash*, contact Greg Williams.

## BUSINESS VICTORIA

A monthly, eight page newspaper for the business community featuring columns and articles by the university's accounting, economic, management, marketing and business experts. For contributions, call the editor, Susanne Hatherley on 75 3087.

## MONASH QUARTERLY

A four-colour subscription magazine to be produced four times a year for Alumni, corporate sponsors and other interested companies or individuals. It will focus on university personalities and achievements. The first issue will appear in May. The editor is John Clark, phone 75 2057.

## VC'S DESK

An irregular, single-sheet flyer for university staff carrying information from the vice-chancellor.

## ETCETERA

A weekly news and appointments bulletin for staff. Deadline for material is the Tuesday prior to the week of publication. The editor, Kylie Noonan, can be contacted on 75 2067.

If you want a copy of any of these publications, contact the Public Affairs Office on 75 2067.



Nowadays, very few school students know what the Snowy Mountains Scheme is, or that it once inspired the national imagination as a great engineering project.

As many have remarked, if a similar scheme were proposed today, however urgent the need, it would be killed by the thousand cuts of Federal and State government hearings, environmental lobby groups, single issue politics and general national inertia.

If you ask school children what the present or next engineering project to inspire us will be, they frequently mention the new parliament house or the very fast train.

We discuss these issues after explaining what professional engineering is, and what it isn't. Most senior school students, most parents, and - what is worse - many careers teachers, have a very foggy notion of what engineering is.

Today, the word "engineer" is used in a variety of contexts mostly to attract kudos. A person who drives trains and is called an engineer, is still a train driver.

An automotive engineer is usually a mechanic, a sales engineer is a salesperson who may or may not have technical knowledge or training about the product in question. An air conditioning engineer may be a sheet metal worker who makes ducts.

It is no wonder that confusion abounds. Most young people have a pretty good idea what law or medicine is about - there are plenty of television soapies to promote the image - but when did you last see a soapy about engineer heroes?

Engineering is the silent profession. Our quality of life, in so many ways depends on it, yet we take it for granted.

Do you spare a thought for the excellence and reliability of the systems designed by engineers when you turn on the light or flush the dunny - a thought for everything before the switch and beyond the bowl?

Engineering is so pervasive that few understand its scope or its nature. It is about design and development, about making things happen, goal orientation rather than process orientation, and the ethic of working in teams.



by Peter Darvall

Engineering is a national priority. A severe shortage in most areas is predicted and a rapid expansion in engineering enrolments has been called for in the Williams Report and in various other submissions to governments.

Studying engineering requires a strong grounding in science and mathematics. The dwindling participation rate of senior school students in the full maths/science package has been of concern for some years.

Even so, many of the most talented students use their high marks in these subjects to get into courses other than engineering.

Many of our first year students, highly motivated towards engineering, report being under enormous family pressure to change their preference to other courses with higher cut-off scores, simply because they achieved those scores.

There is clearly an image problem with engineering in the community, directly related to cut-off scores in an insidious way. The same applies to science.

The situation is changing, not only because of some tarnishing of the image of other professions, but also because the job satisfaction in engineering careers is becoming more widely appreciated.

The silent profession is becoming more attractive, and one of the success stories has been the rapidly-growing participation rate of women.

The key factors appear to have been widening the pool of eligible students by relaxing the prerequisite subjects and providing bridging courses, and "humanising" engineering.

Where engineering alone may appear unattractive, daunting, narrow, cold or uncouth, engineering plus arts is quite attractive to female students. They like the opportunity to bridge cultures.

A concern for the environment is the passion of the age. Without falling into the danger of trendiness, or narrow sectional or political interests, we must address this.

We need to tell school children about how engineering professionals may take practical steps to minimise or repair the effects of modern industrial society on the environment.

If it is scientists who analyse the state of the planet's health, it is engineers who will be needed to provide the many treatments.

Engineering, along with other areas in tertiary education, has suffered a substantial decline in real resources per student in recent years. There are crucial areas of engineering education that we largely avoid because they are too expensive.

High technology modern manufacturing is one such area. We simply cannot afford the state-of-the-art computer controlled machines, prevalent in industry, and now in technological institutes in Singapore, Taiwan, Hong Kong and Malaysia.

The pressure on politicians to deliver resources to build the clever country must be increased, but can only occur when the majority of the population is convinced of the need for it.

This is clearly not so at the moment. We are still not hurting enough.

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## DIOGENES



More than a few years have passed since American novelist Thomas Wolfe claimed you can't go home again - a few years and not a little misunderstanding.

People have always assumed the author was referring to the way that growing older often means growing apart (or, to put it another way, no sooner have you flown the family coop than someone has converted your vacated perch into a sewing room).

Wrong. In fact, what Wolfe had in mind when he penned those words were those strange alchemists called architects.

Who can guess at the reasons for his outburst. Perhaps he had just been shown a set of plans for his new house, or had badly bruised a shin on a free-standing and totally functionless pillar in his editor's living room.

Either way, the modern home of 1940 America, according to Wolfe, was so monumentally execrable it was a wonder anyone bothered to go home at all.

Times haven't changed. If the author were around suburban Melbourne today, he would probably heed his own advice and book a cosy gutter for the night.

But it's not so much the houses of most recent design that would cause offence, the ones that look as though they've grown stunted from a barren earth. It's also renovated homes - those whose birth certificate say early 1900s while at the same time they whisper coyly from behind half-closed shutters, "1980s".

The problem is that home renovation is a bit like dancing with your grandmother: interesting and diverting, but in the end, unsatisfying.

I'm talking about the full conversion here, where everything on show is of the era. From the dinky gumboot remover by the front verandah to the mechanical chook stretcher ("Change your bantams into Rhode

Island Reds overnight!") beside the refurbished shed.

What you wind up with is a house that doesn't actually face the street any more, it confronts it.

With a hundredweight of new leadlighting and a brace of latter-day bay windows that owe more to the contours of a pregnant elephant than they do to any bay, your once placid and amiable abode now dares the passer-by to spot the anachronism.

Of course they are there - the built-in dishwasher, ducted heating and the electronic guilt assuager. But they are mostly out of sight.

While the transformation may restore a measure of dignity to the house, its integrity is lost forever.

Once upon a time, it creaked in the wind, cracked under pressure, admitted a few drops of rain in a storm. But after the last paint brush has been cleaned and put away, you discover that you now own a hermetically sealed and expensive museum piece that almost cries out for an admission charge.

It is only when you receive the bill - and it slowly dawns that you not only have funded your builder's next world trip, but also have helped put his children through the Sorbonne - that you realise an entry fee is perhaps not such a bad idea.



The Shave Australia rally held last week was not much of a success, I have to report.

Shave Australia, for those unfamiliar with the term, is a movement aimed at making Australians more aware of the importance of hairdressers.

We on the movement's organising committee believe that although entrusted with the nation's hair and hence its good looks, too often hairdressers are taken for granted.

Tales of treachery in the salon abound. For instance, some clients actually feign sleep so as to avoid conversation with their hairdresser.

Others limit their replies to a non-committal grunt, neither affirmative or negative, which brings the conversation to a halt.

As I was saying, the rally was a disaster. The 15 hairdressers and their assistants taking part got the meeting place wrong, and ended up marching three abreast down St Kilda Road to the Domain where, in the absence of any suitable subject, they decided to give the floral clock a short back and sides.

Not quite what I had in mind, but it was, after all, a massed expression of stylists' rights and therefore to be applauded.