

A Monash research team led by Professor Steve Wesselingh (left) and including researcher Mr John Huang have successfully trialled an edible measles vaccine in plants. Picture: GREG FORD

Edible vaccines the key to better immunisation

BY DAVID BRUCE

Monash scientists have successfully grown a genetically engineered plant containing a measles vaccine in a technique that may eventually lead to simpler and cheaper immunisation programs for a range of viral diseases, including HIV and malaria.

Publishing their results this month in the prestigious journal *Vaccine*, the Monash research team from the Infectious Diseases Unit based at the Alfred Hospital concluded that an edible vaccine was possible.

"This study demonstrates that oral vaccination utilising transgenic plants is a viable approach to the development of a novel measles vaccine," the research team reported.

"Availability of the vaccine in an edible form as a constituent of a fruit or vegetable crop would enhance vaccination coverage by providing an inexpensive and relatively heat-stable package for distribution. Such a vaccine would have the potential to enable rates of vaccination to reach the targets required for global eradication."

Led by Professor Steve Wesselingh, the research team successfully produced a tobacco leaf containing a viral protein found in the measles virus. When the plant was processed and fed to mice, their immune system responded by producing protective antibodies. Testing has now begun on primates.

The research team is now developing the protein in a range of foods including rice and lettuce and have

recognised the potential for the protein to be incorporated into baby food.

"There is no real reason why we couldn't be working with any type of food, but we believe that rice flour, when mixed with breast milk as baby food, is a simple and cheap option even for poor or remote communities," said Professor Wesselingh.

The research team has begun experimenting with a combination of edible and injectable vaccines in early HIV and malaria vaccines. "The answer to the problems of beating HIV and malaria in many parts of the world lies in developing a vaccine that can be easily administered. There is no doubt about that."

Measles is a highly contagious viral disease which, in the most serious cases, may lead to pneumonia, encephalitis and even death. Although

measles can be effectively prevented by a 'live' measles vaccine injection, it still causes up to one million deaths each year, mostly among young children in developing countries. In these countries, injectable vaccines are inhibited by many factors, including the need to provide a stable and cold environment during storage and transportation and a lack of trained medical staff to administer the vaccine.

In other countries, including Australia, the United Kingdom and the United States, measles outbreaks are still common due to lowering rates of immunisation among some ethnic groups and among some people concerned about the side-effects of the vaccine.

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Professor Steve Wesselingh. Picture: GREG FORD

New centre showcases international presence

BY FIONA PERRY AND NATASHA LEVY

A four-storey, \$14 million complex under construction at Monash University's Clayton campus will be the new hub for the university's international activities.

The Monash University International Centre will accommodate four of the university's international bodies now spread across several of its campuses.

Monash International, responsible for international marketing, recruitment and admissions, and the Office of International Affairs will occupy the western wing of the building.

The eastern wing will accommodate the student and administration facilities for Monash College and the Monash University English Language Centre.

Monash International managing director and executive director, International Mr Tony Pollock said the development represented Monash's commitment to its global vision and marked a new phase in its plans to become a broad-based global university.

"Drawing together these different but complementary elements of the university's international program under one roof will improve our capacity to deliver quality services and programs for our staff and students," he said.

The director of Monash International's Access Division, Mr Clive Vernon, said the new complex was a necessary response to increasing international student demand for Monash College courses, which offer local and international students

guaranteed entry into selected Monash courses after a year's preparatory study.

Due to open next February, the complex will include state-of-the-art computer and language laboratories, a combined library and independent learning centre, a 105-seat lecture theatre, classrooms, a student common room and car parking.

Architects Fish Payne Pattenden Viney designed the complex, currently under construction by Hansen Yuncken.

The 6440 square metre building will feature a prominent multi-level glass atrium and public forecourt with a water feature.

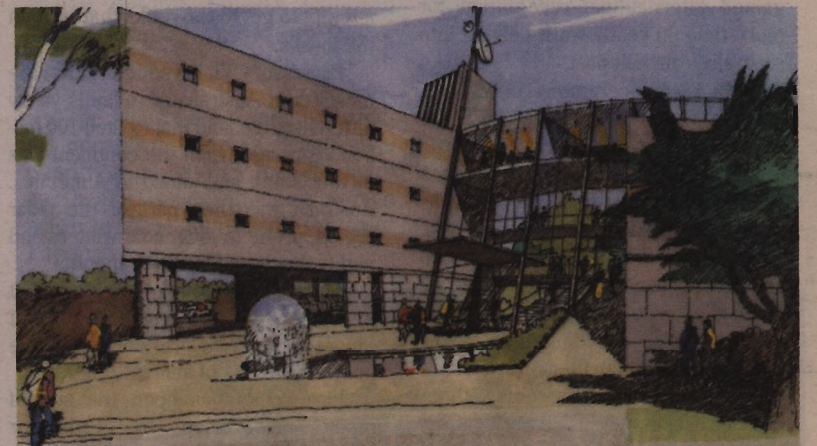
Set in landscaped grounds, the centre will include a college green, an outdoor auditorium and eating area, a ball court, seating and pedestrian paths. Future developments will include a stream, pond and waterfall.

Architect Mr Dennis Payne said the design concept aimed to "create a distinguished high-quality educational and service-oriented environment".

"The public atrium entry and forecourt has been designed to face Wellington Road, giving the building a strong visual presence in the area."

Mr Payne said the design also incorporated Asian architectural elements such as prominent water features and the use of strong colours in limited areas of the building.

Provision for future growth has been made on the eastern side of the site, allowing for the construction of classrooms and administration facilities.



A prominent multi-level glass atrium and public forecourt with a water feature will form the entry to the new Monash University International Centre.

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Howard policies fuel race politics

Race politics have grown in Australia under John Howard's leadership, argues a Monash historian in a new book.

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Does the nature of modern nation-states preclude sustainable development, asks a Monash political scientist.

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Recent changes to class action law a class act

BY FIONA PERRY

State Parliament was acting on the recommendations of two Monash University academic lawyers when it enacted changes to Victorian class action law late last year.

The changes were made to bring about improved access to justice for multiple claimants and have brought the Victorian regime closer to its successful Federal Court counterpart.

Under the changes, Parliament repealed Sections 34 and 35 of the Victorian Supreme Court Act and added new provisions to Part 4A of the Act.

These were recommendations put forward by senior lecturer in Monash's Department of Business Law and Taxation Mr Vince Morabito and senior law lecturer Mr Judd Epstein in their report, *Class Actions in Victoria: Time for a New Approach*, commissioned by the Victorian Attorney-General's Law Reform Advisory Council.

Mr Morabito said that in part, the amendments to the act meant that Victoria was the first state to adopt the 'opt-out' scheme, which has applied in the Federal Court since 1992.

"Under this scheme, those eligible to join a class action no longer have to write to the lawyer in charge of the case to register as a member as they used to under the 'opt-in' scheme - they are now automatically eligible for any benefits flowing from the action," he said. "Those who do not wish to take part are given the opportunity to exclude themselves from the action."

Mr Epstein said the 'opt-out' scheme was preferable to the former regime, as it increased access to



Monash academic lawyers Mr Vince Morabito (left) and Mr Judd Epstein. Picture: GREG FORD

justice for those who wouldn't be able to afford it on their own.

"The 'opt-out' scheme creates a no-financial risk for people who, due to ignorance or psychological or economic barriers, may not sign up for a class action.

"Under the 'opt-out' regime, there is the possibility that claimants will gain real benefits from the case without having to take individual action."

The adoption of the new laws has also ended longstanding procedural problems with class action laws in Victoria, Mr Morabito said.

"Lawyers representing class action plaintiffs have routinely avoided the Victorian Supreme Court since 1992, after judges became frustrated with the limitations of the class action laws and asked state legislators to repeal them," he said.

"After that, lawyers wouldn't even think of going to the Victorian Supreme Court to lodge a class action writ - they would go straight to the Federal Court, despite the case falling within the Supreme Court's jurisdiction."

BRIEFS

New chief magistrate is Monash graduate

Monash graduate and barrister Mr Ian Gray has been appointed chief magistrate of the Victorian Magistrates' Court.

Mr Gray, 51, was formerly chief magistrate in the Northern Territory, where he was a vocal opponent of that government's introduction of mandatory sentencing laws.

He resigned in 1997 and resumed work as a barrister in Melbourne, specialising in administrative, civil and native title law. He has also devoted much of his time to working with the Victorian Aboriginal Legal Service and the Northern Land Council.

Mr Gray holds a Bachelor of Arts (1972) and a Bachelor of Laws (1973) from Monash.

Accident Research Centre appoints new director

Leading transport researcher Dr Ian Johnston has been appointed the new director of the Monash University Accident Research Centre.

Since 1989, Dr Johnston has been managing director of public company ARRB Transport Research, which has three land transport businesses in contract research and consulting; development, manufacture and sales of advanced technology products; and technical services.

He has also held leadership positions with the Marine Board of Victoria, VicRoads and the Federal Office of Road Safety (now the Australian Transport Safety Bureau).

Dr Johnston has published widely in the areas of road safety, road and traffic engineering and research management. He will take up the position on 28 May.

Singapore bonus for law degrees

Monash law students who are ranked in the top 30 per cent of their graduating year can now apply to the Singapore Bar for admission to practice after the introduction of new rules by the Singapore Government.

Demand for lawyers in Singapore has led the government to recognise degrees from Monash's Faculty of Law. The accreditation is a coup for Monash, as this recognition was previously only extended to selected British law schools.

The move is expected to open up the Singapore market, which was previously limited as Monash's law graduates from Singapore were unable to practise in their own country.

Only three other Australian law schools received the accreditation - the University of Melbourne, the University of New South Wales and the University of Sydney.

Former governor to present lecture

Former Governor of Hong Kong and member of the European Commission the Right Honourable Christopher Patten CH will present the annual Sir Robert Menzies Lecture this month.

The annual lecture was inaugurated in 1978 by the Sir Robert Menzies Trust to honour the name of Menzies and to highlight issues of public importance.

The lecture, which is supported by the Monash University Liberal Club, will be held on Friday 20 April at 6.30 pm at Queen's Hall, Parliament House, Spring Street, Melbourne.

Tickets cost \$10 from the Sir Robert Menzies Lecture Trust, GPO Box 1101J, Melbourne, 3001. Monash University students may obtain tickets free of charge by contacting the Liberal Club through its mailbox at the Clayton campus.

New chair for Jewish studies centre

Immigration history expert Professor Andrew Markus has been appointed the inaugural chair of Jewish Civilisation at Monash University. Professor Markus took up the position in February.

He was previously deputy chair of Monash's Centre for Migrant and Intercultural Studies and has been chair of the education committee of the Melbourne Holocaust Museum and Research Centre for the last three years.

As director of the centre, Professor Markus says he intends to introduce postgraduate programs and build the centre into an institution of international research excellence in Jewish studies.

His research interests have focused on the history of immigrant groups, race relations and racial thought.

World Sikh Games come to Monash

About 1500 athletes will compete in the international Sikh Sports Games, to be held from 13 to 15 April at the Monash Sports and Recreation Centre.

Organised by the Singh Sabha Sports Club, the games include soccer, hockey, netball, volleyball, athletics, tug-of-war, basketball, squash, golf and kabaddi (an Indian form of wrestling).

Competitors will come from Australia, Malaysia, Singapore, Canada, the United Kingdom, India, Pakistan, Hong Kong and New Zealand.

For more information, call the Monash Sports and Recreation Association on +61 3 9905 4111.

International award for paleontologists

BY DEREK BROWN

Monash University paleontologist Professor Pat Vickers-Rich and Dr Tom Rich from Museum Victoria have gained international recognition for more than 30 years' work delving into Australia's ancient past.

At a recent ceremony in the US, the National Geographic Society's Committee for Research and Exploration presented the couple with a \$30,000 award for their investigations of vertebrate paleontology in Australia.

Professor Vickers-Rich said she and her husband had been funded by the society since the 1970s for work at sites along the Victorian coast as well as in central and northern Australia.

"The award represents three decades of comprehensive work gathering and interpreting fossils to see what life was like in Australia during and after the age of dinosaurs," she said.

"At Flat Rocks, a site on the Victorian coast near Inverloch, we have been looking for evidence of

animals including dinosaurs and mammals that might have lived in the region more than 100 million years ago. At times we've even dug a mine in the cliff face of the Otway Ranges in an attempt to get to the rocks that contain the fossils."

Professor Vickers-Rich said the mostly arid Australia of today is vastly different to the land that existed 100 million years ago when the continent was further south and joined to Antarctica. Australia was then part of the polar region, prone to long, cold winters and nights that lasted for three months.

Much of the couple's work at Flat Rocks was aimed at establishing that dinosaurs were able to survive in the polar conditions of ancient Australia.

Flat Rocks has been the site of many discoveries by Professor Vickers-Rich, Dr Rich and their team, such as the dinosaur *Qantassarus*, named after Australian airline Qantas, and *Ausktribosphenos nyktos*, thought to be the oldest placental mammal ever found.



Professor Pat Vickers-Rich and Dr Tom Rich.

Edible vaccines the key to better immunisation

Continued from page 1

The quest for new and better ways to immunise people against infectious diseases has led to a variety of alternatives to injections, with the food-based vaccine research providing the greatest potential.

Current measles vaccines are made from the actual virus and work by prim-

ing the immune system to attack if it becomes exposed to a full assault of the measles virus. In contrast, plant-based vaccines rely on the measles virus gene for the H protein being genetically cloned into the plant.

The H protein sits on the outside of the virus and has a role in provoking the immune response in the body. The

edible vaccines, therefore, do not contain the complete 'live' virus - only the key protein to trigger the immune response.

The Monash researchers are working closely with scientists at the CSIRO Plant Industry and at the University of Melbourne.

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Set the day

Monash campus opens for business in South Africa

BY JUNE YU

A group of South African students have taken their first step into a new era of international education by being the first to enrol at Monash South Africa.

About 50 South African students recently began undergraduate studies in arts, business and commerce, business systems, computing and information technology at the Roodepoort campus, 20 kilometres from Johannesburg.

Monash is the first Australian university to be registered to operate as a private higher education institution in South Africa.

The two-storey campus features state-of-the-art teaching and study facilities, with future plans for accommodation and research amenities.

Pro vice-chancellor Professor John Anderson said he was pleased with the smooth start to the campus's first year, which represented the beginning of a

long-term commitment to South Africa's future.

"Monash's major investment of funds and other resources in South Africa has been realised with the opening of this campus," Professor Anderson said.

"The campus is a part of the new South Africa's continued integration into the global economy and will play a major role in educating the country's youth for tomorrow's challenges in the workplace."

Professor Anderson said the South Africa campus, along with the Malaysia campus and the Monash centres in London and Prato, was part of the broader aim of offering Monash students and staff international opportunities.

"We wish to offer all Monash students a gateway to the world. Monash strongly believes it should produce global citizens who will be able to contribute a great deal to their own

countries, whether that be in South Africa, Malaysia, Australia or anywhere else," he said.

"The South Africa campus offers opportunities for all Monash students to broaden their horizons by providing a new and different working, learning, teaching, research and living environment."

Vice-chancellor Professor David Robinson said the opening was an excellent beginning for Monash South Africa, which was operating ahead of schedule.

"The development of the university-owned land has proceeded faster than anticipated, allowing Monash to accept enrolments this year," he said.

"We have therefore opened a year earlier than expected because the building was ready."

"We expect enrolments to grow steadily, as has been the case at Monash Malaysia, which has grown in three years to 1500 students."



Pro vice-chancellor Professor John Anderson welcomes the first students to the new Monash South Africa campus.

Program to help improve women's health in UAE

BY ALLISON HARDING

Women's health issues are now receiving greater attention in the United Arab Emirates, thanks to a new Monash University program.

Two Monash lecturers are conducting the innovative Women's Health in Society course, which Monash is offering in conjunction with the University of Sharjah in the UAE.

Women's health experts Dr Robyn Craven and Dr Carol Lawson, both senior lecturers in the Department of Community Medicine and General Practice, are conducting the first course in which 25 doctors - mainly women - have enrolled.

The intensive 14-week program involves two weeks of face-to-face contact and 12 weeks of distance learning. The course covers a range of subjects, including family planning and menopause.

Deputy dean of Medicine and head of primary health care Professor Leon Piterman said the collaborative arrangement was largely due to a long relationship with the Sharjah medical district through Monash honorary senior lecturer Dr Nizar Farjou, Sharjah's director of primary health care.

"The Ministry of Health in Sharjah has identified women's health as a priority area, as they believe there are health issues affecting women which must be addressed," Professor Piterman said.

"So the course is aimed at doctors in general practice clinics, where women's health problems are managed predominantly by women doctors."

Dr Craven said general practitioners in Sharjah were lagging behind in knowledge and experience in areas such as contraception, osteoporosis, hormone replacement therapy and menstrual problems.

She said that issues routinely attended to by general practitioners in Australia - such as pap smears - were dealt with by gynaecologists in the UAE. "We're trying to bring the general practitioners up to date through this program so they have the confidence to deal with women's health issues."

According to Dr Craven, five-minute visits were the norm in Sharjah, whereas women's clinics in Australia often scheduled 30-minute consultations.

"So we're also looking at suggesting specialist women's clinics, such as we have in Australia."

Professor Piterman said the pilot program, with which the Sharjah government was closely involved, could expand in the future.

"If this program is successful, the Ministry of Health intends to run similar courses on an ongoing basis for doctors in the UAE in other areas of need," he said.

"As Monash has a large number of subjects which we run through distance education, we would be able to address many of these areas of need."



Separation can be devastating for military personnel and their families, but regular contact with home helps ease the burden, as Geelong signaller Ms Francine Bridson, in Dili, East Timor, discovers. Picture: AAP

Probe into the human cost of military service

BY ALLISON HARDING

Separation can have devastating effects on the families of Australian military personnel sent overseas.

But information gleaned from new research could help the defence forces understand and respond to the needs of military families, according to a Monash researcher.

PhD student Mr Philip Siebler is researching the impact of separation experiences of army, navy and airforce personnel sent to East Timor and the impact that this had on their families.

A social worker for the Defence Community Organisation (DCO), Mr Siebler will conduct the study in collaboration with Associate Professor Chris Goddard, head of the Social Work department at Monash University, and DCO senior management.

Mr Siebler aims to conduct in-depth interviews with about 30 couples (or family units) about their experiences leading up to deployment, during separation, and on reunion. And although he will not be interviewing children, he hopes to learn how children coped with a parent's extended absence through his interviews with other family members.

"We don't know much about Australian military families, particularly during times of high stress such as deployment," he said.

"I want to talk in depth to military personnel and their partners about their experiences in Australia and in East Timor - we want to know more about families' coping strategies during lengthy separations."

"I'm also curious about the impact of media reports on families - for example, how do partners and children react

when they hear television reports about border skirmishes?"

Mr Siebler said he would investigate the types of support services or networks families utilised, what they found helpful, and what else they needed during separation. He said the return of family members to Australia had its own problems as well.

"The reunion time is thought to be the most stressful time for families - they have to re-form in a sense," he said. "It takes time for a couple to readjust and integrate back into being a family again."

He said he hoped to have a project report for the DCO, which was contributing \$15,000 to the project, by the end of the year. Further corporate and individual sponsorship would also be welcome, he said.

Mr Siebler can be contacted by email at philip.siebler@defence.gov.au

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Schools should accommodate Indigenous students: researcher

BY STUART HEATHER

Education authorities are not trying hard enough to improve the poor attendance of Indigenous students in Australian schools, according to Professor Colin Bourke of Monash University's Centre for Australian Indigenous Studies.

More than eight months after the Federal Government published the findings of the centre's inquiry into the problem in its report *Better Practice in School Attendance: Improving the School Attendance of Indigenous Students*, Professor Bourke says the outlook remains worrying.

"Systems are very slow to change, and Indigenous students are still 'tolerated' rather than 'accommodated' by the educational systems in the states and territories," Professor Bourke says.

"With few exceptions, principals and teachers are under-prepared and inadequately trained to deal successfully with Aboriginal and Islander students."

About 60 to 70 per cent of Indigenous children go to school daily, compared with about 90 per cent for



Indigenous students' poor school attendance rate can be partly attributed to a curriculum that does not reflect their values or beliefs, says Professor Colin Bourke. Picture: TODD CONDIE, courtesy of *Koori Mail*.

the wider Australian population. Of those, about 20 per cent have a very poor attendance record.

Professor Bourke says teachers have to ask themselves why children would want to be at school – is it relevant to their lives?

"The curriculum taught in many remote communities is substantially the same as in Melbourne," he says.

"Indigenous students' own values, history, customs and beliefs are not considered important in the classroom."

Low academic achievement and the likelihood of leaving school earlier lead to poor school attendance. The Monash report made 14 recommendations in areas including education policy, school management, curricula,

teacher training and such things as the school calendar.

Whether Indigenous students make up all or only a tiny part of the student body at a school, Professor Bourke argues that the education system needs to be flexible to accommodate their needs.

"Schools in the tropical north are in recess during the 'wet' season when children have little to occupy themselves and classes are in during the 'dry' when the Indigenous community is organising many activities. It would make more sense to ignore the conventional calendar of southern Australia and respond to the local situation."

Professor Bourke also argues against sending young teachers from the cities without sufficient preparation and training to rural areas. The lack of language, cultural and social understanding of Indigenous people creates a large gap between students and teachers, he says.

He would also like to see a premium attached to teaching Indigenous students. "It would be great if this was viewed as a plus in a teacher's career," he says.

Researcher explores hidden realm of maths values

BY KAY ANSELL

When students learn how to solve an equation, they are also absorbing cultural values that can mould a young person's outlook.

These values vary between countries, so when a teacher from overseas takes a maths class in Australia, a clash of values can follow.

Monash Faculty of Education researcher Mr Wee Tiong Seah is exploring this terrain for his doctoral thesis, working with mathematics teachers from overseas to investigate how they are adapting to teaching maths in Victoria.

Mr Seah says a belief that mathematics is a universal language has left the issue of values in maths education largely unexplored.

"In certain foreign cultures, a student's future in life is determined by how well they do in school. The message they learn from the classroom could be that there is no room for mistakes in life.

"With rote learning, which is a common learning style in some countries, students may get the message that what matters in mathematics, and in

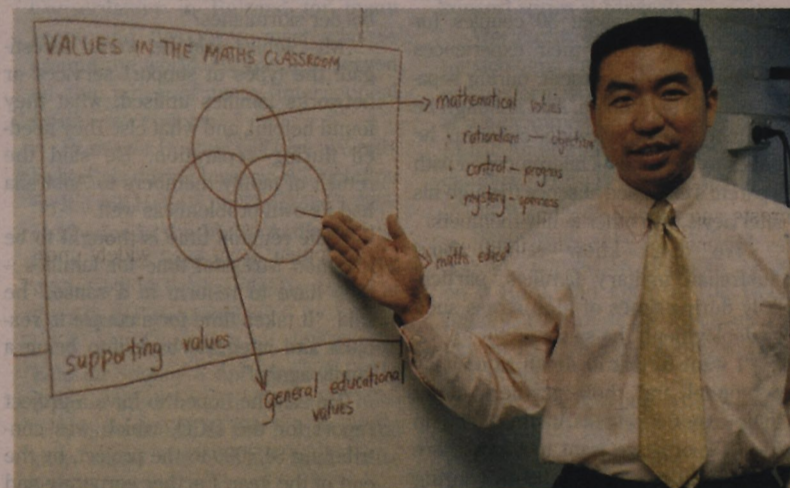
life as well, is getting things right. This contrasts with the idea of exploration, which is about risk-taking and the acceptance of failure."

A maths teacher from such a culture may find that the drills so valued in their home country are not as appropriate in Australia. The teacher's response could vary from ignoring the potential cultural clash brought about by a difference in teaching styles to absorbing the new system wholeheartedly, or various degrees of adjustment in between.

Mr Seah hopes his PhD will ultimately lead to the development of strategies that will help teachers of all subjects deal with value conflicts.

"There is an increasing number of multicultural teaching professionals in schools in Australia, and in Victoria in particular. These teachers need to know they are not alone in negotiating value differences or conflicts," he said.

"A better understanding of migrant teachers' situations could help keep them in the system, especially when Victoria currently has such a shortage of maths teachers."



PhD researcher and former maths teacher Mr Wee Tiong Seah hopes his research will help migrant teachers deal with value conflicts in the classroom. Picture: KEN CHANDLER



Fun start to uni year

Two new Monash students get into the spirit of things with some colourful balloon art made by a street artist during Orientation week, held in late February at Monash's six Victorian campuses. Orientation marks the beginning of the university year for thousands of new Monash students, and gives them the opportunity to familiarise themselves with their new surroundings, find out details about their courses and get to know their lecturers, tutors and other new students in a carnival-style atmosphere. DJs and bands, jumping castles and comedians were just some of the entertainment enjoyed by the students. Picture: GREG FORD

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Schools



'At Monash' seminar series

The 'At Monash' seminar, which aims to give senior secondary students an overview of course and career options in broad interest areas, will be held in May. Seminar speakers will include academic staff, current students and graduates. Booking forms for all seminars will be sent to schools shortly. Details are as follows:

Wednesday 9 May

Arts and Law
7.30 pm to 9 pm
Robert Blackwood Concert Hall
Clayton campus

Tuesday 15 May

Nursing and Education
1 pm to 2.30 pm
George Jenkins Theatre
Peninsula campus

Tuesday 22 May

Information Technology and Engineering
7.30 pm to 9 pm
Robert Blackwood Concert Hall
Clayton campus

Tuesday 29 May

Science, Pharmacy and Medicine
7.30 pm to 9.30 pm
Robert Blackwood Concert Hall
Clayton campus

Wednesday 30 May

Business and Economics
7.30 pm to 9 pm
Robert Blackwood Concert Hall
Clayton campus

For more information, contact the Prospective Students Office on + 61 3 9905 4164.

Explore Monash

The Explore Monash program is specifically designed for regional and interstate families and runs during the school holidays. Students can choose to experience either a metropolitan campus or a rural campus.

The metropolitan visit will take place at the Clayton campus and will include an optional visit to either Berwick, Peninsula, Parkville or Caulfield campus in the afternoon.

The rural visit will be held at the Gippsland campus. Activities include an introduction to Monash, a tour of the campus, visits to academic areas of interest to the student and an inspection of student accommodation.

The first Explore Monash session will be held on Thursday 19 April at the Gippsland campus. The metropolitan session will be held at the Clayton campus on Friday 20 April.

For more information, contact the Prospective Students Office on + 61 3 9905 4164.

Undergraduate course guide

The 2002 *Undergraduate Course Guide* will be available from April. Several copies will be sent to school careers counsellors, who will then have the option of ordering as many as they need.

Green state vs competition state: the democratic challenge



Picture: AAP

Does the very nature of modern, competitive nation-states preclude ecologically sustainable development, asks political scientist **DR ROBYN ECKERSLEY**

OPINION

THE GLOBAL ecological crisis has thrown down new challenges for the modern state in the past four decades.

Domestically, states have responded to public environmental concern by creating new environmental policies and agencies and, in some cases, overarching strategies for sustainable development that affect all policy areas and aspects of society.

Yet these modest environmental initiatives have enjoyed only limited success and now face a new era of fiscal austerity combined with pressures to dismantle environmental trade-restrictive measures and to deregulate and privatise.

In place of pursuing the ideal of social democracy and the welfare state, we now find the ideological ascendancy of neo-liberalism and 'the competition state', the primary task of which is to make economic activities within the state more competitive in global terms.

Green demands for the state to orchestrate ecologically sustainable development and to involve those affected by decisions in the decision-making process are therefore being made at a time when neo-liberal

policies are undermining the state's democratic legitimacy, authority and steering capacity.

According to Canadian political economist Robert Cox, neo-liberalism is transforming states from acting as buffers between external economic forces and the domestic economy into agencies for adapting domestic economies to the demands of the global economy.

On the international front, states have been confronted with serious ecological problems that demand unprecedented levels of multilateral cooperation in a world in which the gap between rich and poor continues to grow.

Multilateral efforts to save the atmosphere, the oceans, tropical forests and biodiversity have encountered intense moral and distributional conflicts between developed and developing countries.

Nowhere is this more evident than in the ongoing international negotiations over climate change. At issue are debates over a highly technical and uncertain science, differential impacts upon states from global warming, different institutional capacities to respond, intense debates over the rules of burden sharing, and fundamental differences in understandings

among states regarding both environment and development priorities.

Moreover, any serious and concerted effort to reduce greenhouse gas emissions necessarily entails measures that strike at the heart of the domestic policies of states, particularly in the area of energy, industry, transport, infrastructure and taxation.

For many states, any attempt to regulate such 'domestic' matters remains tantamount to an infringement of their sovereignty, or their 'right to develop'.

In a recent critical assessment of the prospects for a green/democratic state, British democratic theorist Michael Saward has pointedly asked: 'Could it be that the contemporary state is simply not the type of entity which is capable of systematically prioritising the achievement of sustainability?'

HISTORICALLY, the defence of state territory, military success, and the exploitation of natural resources and the environment for the purposes of national economic development have been widely understood as overriding state imperatives or 'interests' that are common to all states.

Indeed, the exploitation of natural resources within the territory has sometimes been justified as a 'nation-building exercise' or intimately linked with national security.

According to this line of argument, environmental protection would seem to run counter to the main imperatives constituting states: the need to enhance national economic competi-

tiveness, maintain social order and stay afloat in a hostile world.

The rise of the 'competition state' is one indicator that the prospects for enlightened ecological management of the domestic and global environment by states would appear to be rather grim.

In particular, the quest by states to attract capital and improve national competitiveness would, other things being equal, be expected to exert a downward pressure on domestic and global environmental standards.

However, other things are not always equal, and the fact that these tendencies are by no means uniform, that different states have different environmental records, capacities, normative postures and strategies, suggests that there is much more to the picture.

Not all states are passive victims of globalisation and many have considerable capacity to reshape the global economy, along with the norms of ecologically responsible statehood, to achieve environmental justice.

For example, the general literature on competitive strategies has a green counterpart in literature on 'ecological modernisation' and environmental capacity building.

However, it remains unclear to what extent the newly emerging 'ecological modernisation' model of development pursued by certain privileged states in the OECD can be generalised

as a coherent and successful strategy for all states.

This is a crucial issue if one accepts that many of the most serious obstacles to sustainability are due to the domestic weaknesses of particular states and state structures.

Nonetheless, for those who refuse to resign themselves to Saward's sober assessment of the prospects of the green/democratic state, the task of thinking through what might be needed is both challenging and sobering.

For most greens, the task goes beyond developing green competitive strategies and strengthening environmental capacity. It also requires a raft of cultural, democratic and institutional changes that effectively transform the moral purpose of the state to include 'public ecological guardian'.

Such a green democratic state would be concerned to represent or otherwise consider the welfare of not just its citizens but all those potentially affected by domestic decisions that carry harmful ecological consequences.

■ *Dr Robyn Eckersley is a senior lecturer in the School of Political and Social Inquiry at Monash University. This is an edited version of an article first published in the Winter 2000/1 issue of ECPN News, the circular of the European Consortium for Political Research. Dr Eckersley is co-directing a workshop on 'The Global Ecological Crisis and the Nation State' at the Grenoble sessions of the ECPN this month in France.*



Artist Lily Hibberd with her works currently on display in the Look See exhibition. Picture: GREG FORD

Exhibitions explore new age of art

BY SUE McALISTER

The Monash University Gallery is welcoming in the third millennium with two exhibitions that reflect the impact of new concepts and new technologies on art.

Look See: Five Contemporary Painters explores how artwork is received today, given the increasing popularity of both abstraction and installation art and the new digital technologies.

According to curators Natasha Bullock and Sarah Bond, these elements have "transformed the spatial relations between the viewer and the art object".

The five Melbourne artists exhibited have used various innovative strategies to explore the interactive and dynamic potential of space in paintings.

The exhibition, the curators explain, takes its title from the vernacular term for inviting close scrutiny - "it calls for active viewer participation".

"Lily Hibberd's work requires the viewer to leap between pictorial space and time, and Juan Ford's profiles

require the viewer to move between traditional portraits and companion panels for clues to each sitter's character."

Also featured are works by Craig Easton, Mark Galea and Jan Murray.

The other exhibition on at the University Gallery is titled *(painting)*. It is a touring exhibition, curated by Sarah Ryan and Troy Ruffels of the Plimsoll Gallery at the University of Tasmania.

According to Ms Ryan, "the exhibition's significance lies in its exploration of how digital technology has informed the vocabulary of traditional-based media, rather than pursuing its promise as a separate medium".

The exhibition, she explains, brings together seven emerging Australian artists whose work reflects this, and also investigates the broader implications of this new era in image manipulation in painting.

"Megan Keating's perspective on representational painting is strongly influenced by imaging technologies - her toy soldiers hurtling in space echoing early space invader computer

games. Megan Walch recreates amorphous digital images that loom in space, while Jemima Wyman's linear paintings stem from her interest in sense perception.

"David Ralph explores the psychological aspects of artificial spaces, by enlarging digital images from photographs of static, empty interiors, then transcribing them into paint on canvas. David Jolly also uses photography in his work, as do Richard Wastell and Richard Muldoon, who blur the boundaries of painting and photography to produce hybrid forms of reality."

What: *Look See* and *(painting)*

When: 27 March to 5 May 2001.

Look See artist talks:
Tuesday 27 March,
1.30 pm. Entry is free.

Where: Monash University Gallery,
Clayton campus.

Who: For details, contact
Ms Nicola Vance on
+ 61 3 9905 4217, or email
nicola.vance@adm.monash.
edu.au

Piano virtuoso visits Monash

BY FIONA PERRY

An internationally acclaimed Italian pianist whose work has been described as "a religious experience" will visit Monash University this month to give a series of recitals, masterclasses and seminars.

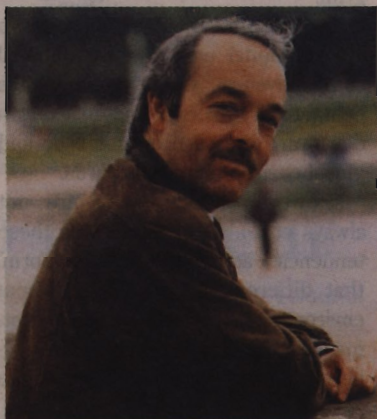
Professor Andrea Bonatta, who is also a famous musicologist, has been invited to Monash as a guest of the School of Music - Conservatorium.

The head of the school, Professor Margaret Kartomi, said Professor Bonatta's expertise and reputation as a pianist and a musicologist were rare in the music world.

"As well as being a world-renowned pianist, Andrea Bonatta is a highly regarded musicologist whose recent book on Brahms earned him great praise in the musicological world. This is a rather special combination, and allows him an exceptional understanding of the music he plays," she said.

"The School of Music - Conservatorium continually aims to integrate the performative and musicological sides of our students' learning activities, and students and staff will gain tremendously from his visit."

Professor Bonatta, who is from Bolzano, Italy, received his first piano



Professor Andrea Bonatta

lessons at the age of five from his mother, a talented concert pianist. His musical development was influenced by various cultural experiences, having studied under piano teachers in Italy, Austria and Germany.

After winning many prizes in international competitions, Professor Bonatta embarked on an international concert career, and performed in the major halls of Europe, Australia and South America.

His recorded works include the complete piano works of Brahms, and the complete *Harmonies Poétiques et Religieuses* by Liszt, together compris-

ing seven CDs. His concerts have been broadcast on both radio and television in various countries.

Professor Bonatta's recently published first book, *Johannes Brahms: His Piano Work*, earned him high praise and has been translated into German. In addition to his appearances as a concert pianist, Professor Bonatta has been piano professor at the Conservatory in Bolzano for many years, and has given masterclasses around the world. He has also served on the juries of many international piano competitions.

Professor Bonatta will give two public recitals during his visit. A lunchtime recital will be held on Thursday 5 April at 12 noon in the Music Auditorium at the Clayton campus, and an evening recital will be held on Friday 6 April at 8 pm in the same venue.

A public masterclass will also be held on Sunday 8 April from 2 pm to 5 pm in the Music Auditorium. Those who have tickets to the Friday recital may attend the Sunday masterclass free of charge.

For bookings, contact the Monash Box Office on + 61 3 9905 1111. For more information, contact Professor Max Cooke on + 61 3 9905 1332.

ARTS SCENE

Music VIP to give public lecture

Renowned ethnomusicologist and the deputy dean of postgraduate students and research at the Universiti Sains Malaysia, Associate Professor Tan Sooi Beng, will speak on "What is my culture? Reconstructing the "local" in Malaysia through "world beat" at an upcoming public lecture at Monash University.

Dr Tan, a Monash graduate, is currently the distinguished visiting scholar of the Faculty of Arts at Monash, and is in residence in the School of Music - Conservatorium.

Dr Tan won the coveted Jaap Kunst Prize in ethnomusicology in 1986 and has published widely on Malay and Chinese-Malaysian music and musicians, popular music and world beat and the political effects of Malaysian arts policy. Her most recent research has looked at the effects of globalisation on music, particularly in Malaysia.

The lecture is on Friday 4 May at 7.30 pm in the Music Auditorium on the Clayton campus. Admission is free. For more information, email margaret.kartomi@arts.monash.edu.au

Welcome to my Living Room

The "emotive and emblematic power of landscape imagery" is the inspiration for a new exhibition by NSW artist Bette Mifsud, currently on show at Gippsland's Switchback Gallery.

The Living Room, a photographic exhibition, explores the connection between land and identity, and in part represents the "cultural segregation and physical isolation" experienced by the artist as a second-generation migrant living in rural western Sydney.

The exhibition runs until 19 April. For more information, contact the Switchback Gallery on + 61 3 5122 6261.

Industrial designers in national exhibition

Two Monash industrial design students have been selected to take part in *New Design 2001*, a new national exhibition and award for tertiary design students.

Mr David Goss and Mr Dimitrios Scoutas are two of 14 designers selected from 31 universities around Australia to take part in the exhibition, which will run until 6 May at Object Galleries in Sydney.

Both students are in the running for two awards - the \$10,000 Dyson Product Award and the Object Award - offered by exhibition sponsors Dyson appliances and Object - the Australian Centre for Craft and Design.

For the exhibition, Mr Goss submitted 'Freedom Washer/Dryer - Lifestyle System, 2000', an environmentally friendly, all-in-one washing machine, clothes dryer and "dirty clothesbasket with a twist".

Free lunchtime concerts this month

Music-lovers will be offered a feast of talent in this month's free lunchtime concert series at Monash.

World-renowned Italian pianist and musicologist Professor Andrea Bonatta will perform works by Liszt and Busoni at a lunchtime recital on 5 April in the Music Auditorium at Monash's Clayton campus. The 50-minute recital will begin at 12 noon.

Saxophone quartet H.A.R.K! will play at Gippsland's Hexagon Theatre on 9 April, and again at the George Jenkins Theatre at the Peninsula campus on 10 April. Both shows will begin at 1.10 pm.

The New Monash Orchestra, led by conductor Mr Andre de Quadros, will perform *Sebastian the Fox* by Australian composer George Dreyfus, and Mendelsohn's *Concerto for Two Pianos*, in a concert beginning at 1.10 pm on 12 April in the Music Auditorium at the Clayton campus.

Mr Scoutas entered his design, 'Skipee - Australian Made Safety Vehicle 2000', "designed to provide the Australian consumer with the thrill of a motorcycle yet the stability and visibility of a four-wheeler".

Lecturer awarded overseas residency

Monash photography lecturer Ms Susan Purdy has received a development grant from the Visual Arts Fund of the Australia Council for a three-month residency in Taiwan.

Ms Purdy has taken up residency at the National Institute of the Arts in Taipei until 5 June 2001. Her research will focus on artworks in the National Palace Museum, reputedly the best collection of Chinese art in the world.

Smart, sexy and slightly surreal

The Monash University Musical Company will take audiences on a walk on the theatrical wild side this month when they present their "smart, sexy and slightly surreal" interpretation of the 1973 rock musical *Pippin*.

Pippin, oldest son of Charlemagne and heir to the Holy Roman Empire, is struggling in his quest to find a sense of identity. An intensely physical and visually exciting performance piece follows, as Pippin seeks solutions in war, the flesh, revolution, domesticity and immortality.

Pippin is directed by Elise Even-Chaim, with newcomer Ben Spaul in the lead role and featuring Karl McNamara as the seductive 'leading player'.

Pippin plays at the Drama Theatre at Monash's Clayton campus from 21 to 28 April. For bookings, contact + 61 3 9515 7515 or + 61 3 9905 1111.

Bits and pieces

A high-energy performance that uses a variety of props and musical styles is the latest exciting offering from Monash Student Theatre.

Bits and Pieces, directed by students Alex Carroll and Amanda Seiffert, is a physically lively and entertaining exploration of the use of objects in contemporary dance.

The piece will be performed by a group of 10 students who vary in age and experience, and follows two successful dance productions, *Something in August* and *2 Poe2*, by Monash Student Theatre last year.

Performances of *Bits and Pieces* will be held on 24 April at 6 pm, 26 April at 1.15 pm and 6 pm, and on 27 and 28 April at 7.30 pm. For bookings, contact + 61 3 9905 3108.

Classical flautist and music lecturer Mr Derek Jones will direct the Monash Flute Ensemble in a performance on 25 April at the Faculty of Art and Design Gallery at the Caulfield campus, and at Cossar Hall at the Parkville campus on 10 May. Both performances will begin at 1.10 pm.

Australia's most outstanding and sought-after Baroque instrumentalists, Geinevieve Lacey and Linda Kent, will join London-based violinist Elizabeth Wallfisch to perform works by Corelli/Marais, Telemann and Bach. Bass Line *Constructions* will appear in the Music Auditorium at the Clayton campus on 26 April, beginning at 1.10 pm.

And Turkish musician Latif Bolat, who now resides in the US, will play a program of classical and folk Turkish music at Cossar Hall, Parkville campus, on 3 May at 1.10 pm.

For more information on lunchtime concerts, contact + 61 3 9905 9034.

PM's policies encourage race politics: researcher

BY DEREK BROWN

Prime Minister John Howard's delay in criticising Pauline Hanson following her 1996 maiden speech to Parliament, and his government's stance on native title and immigration, signal a dangerous growth in race politics in Australia, warns a Monash academic.

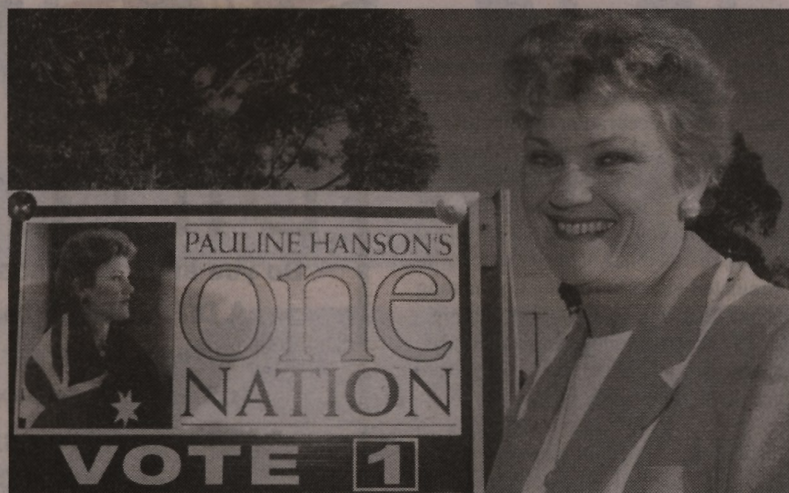
In his new book, *Race: John Howard and the Remaking of Australia*, Professor Andrew Markus from Monash's School of Historical Studies analyses the politics of race in Australia over the past 15 years.

A central part of the book focuses on John Howard's positioning of the Liberal Party during his years as Leader of the Opposition and as Prime Minister, said Professor Markus.

"The book argues that Howard alienated moderate Aboriginal leadership, brought the process of reconciliation to a halt, downgraded multicultural policies and significantly changed immigration," he said.

According to Professor Markus, since the mid-1980s Mr Howard has attempted to marry the Liberal party's 'dry' market-driven economic policies with a conservative stance on a range of social issues - creating a fundamental policy contradiction in the process.

"On one hand, his government continued the process of opening the economy to global competition and introduced radical economic reforms while, on the other, it restricted immigration. Howard opened up Australia in some areas but not in others," he said.



Australians have lost the power to recognise and reject racist politics, claims Professor Andrew Markus in his new book. Picture: AAP

"Ultimately, I believe Howard was happy to run the parochial and nationalist line and to allow One Nation an almost free rein, to divert attention away from his controversial economic policies."

Professor Markus fears the Howard Government's position on One Nation has legitimised race politics.

"Three days before the 1998 Queensland election, Howard called, on radio, for One Nation voters to give their preferences to Liberal candidates, because his government had cut back on immigration and had cut funding to Aboriginal programs," he said.

"The message was that his was a government worthy of their trust. There was a clear legitimisation of race

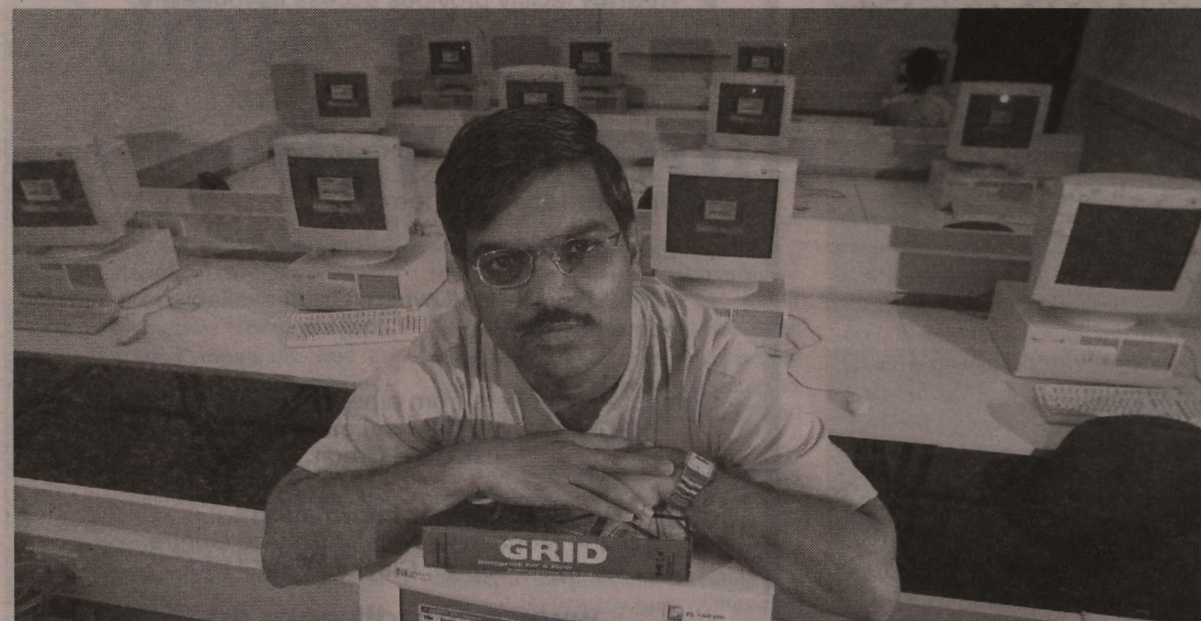
politics where easy, simplistic answers to complex issues are put forward."

One legacy of the legitimisation of race politics had been the debasing of political life and the loss of capacity to recognise the danger of these policies, Professor Markus said.

"When Hanson recently stated that asylum seekers should be put back in their boats and turned around, Australians, in general, didn't say anything, even though she was advocating a solution that would leave hundreds facing certain death," he said.

"If someone had suggested this policy 10 years ago they would have been publicly attacked and ridiculed. We've lost the power to identify and get angry at racist policies."

New power to solve world's problems



BY JUNE YU

Large-scale computational problems could be solved quickly and efficiently with the help of a computer resource brokering system developed by Monash researchers.

PhD student Mr Rajkumar Buyya (above) said the brokering system, known as Nimrod-G, has applications for drug design, aerospace modelling, data mining and financial modelling. In the lucrative e-commerce field, the system could be used for automating sales and purchasing decisions.

Mr Buyya is designing the brokering system in collaboration with Distributed Systems Technology Centre research scientist Mr Jon Giddy and School of Computer Science and Software Engineering head Professor David Abramson.

He said the system was developed for use in a grid computing environment, which links computer resources

owned by different individuals and organisations all over the world into an integrated unit. These resources include PCs, workstations, supercomputers, storage systems and databases.

"Grid computing, also called peer-to-peer computing, is about sharing resources. Large-scale scientific problems or business applications can't be tackled using a single resource, due to its limited power, so you need to use several resources," Mr Buyya said.

He said Monash was part of the existing intercontinental grid environment that included resources from the United States, Europe and Asia.

Currently, Nimrod-G is being installed on these systems along with specialised grid software called *Globus*, developed by American researchers, to allow users to access those resources.

To cope with demand for grid access, the brokering system will regulate resource allocation in the grid computing environment.

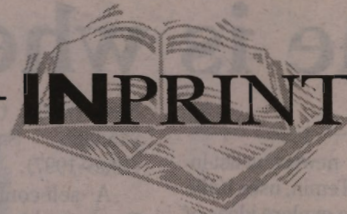
"For example, my PC is often idle, so 90 per cent of the computer power is wasted. Therefore, I could put trading software on the machine and specify that anyone can use the power in the machine as long as they pay a set rate per hour," he said.

Home and business users could also recoup some of the costs of their hardware or software by making their resources available to the grid.

Mr Buyya successfully ran a test on the system involving more than 200 jobs executed on Australian, Asian, US and European resources.

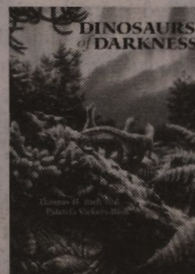
He said the brokering system would be ready for use in a production environment next year.

In May, Mr Buyya is co-chairing the International Symposium on Cluster Computing and the Grid. For more information, contact Mr Buyya on +61 3 9903 1969.



Dinosaurs of Darkness

By Thomas H. Rich and Patricia Vickers-Rich
Allen and Unwin
RRP: \$39.95



Turn back the clock 100 million years and you would find a vastly different Australia to the mostly arid country we know today. At that time, Australia was far south of its present location and joined to Antarctica. It was part of the polar region, prone to long, cold winters and months of darkness.

In *Dinosaurs of Darkness*, Australian scientists Professor Pat Vickers-Rich and Dr Tom Rich describe their efforts to prove dinosaurs lived and thrived in this unlikely and inhospitable region.

The authors recount how the fossils were collected, then take us inside the laboratories where the scientists worked to unlock their secrets and reconstruct the environment in which the dinosaurs lived.

Professor Pat Vickers-Rich holds a chair in Palaeontology at Monash University, where she lectures in the Earth Sciences department. Dr Tom Rich is curator of Vertebrate Palaeontology at Museum Victoria.

Agefit - Fitness and Nutrition for an Independent Future

By Gayle Savage, Mark Wahlqvist,
Daniel Lee and Brett Snelson
Pan Macmillan Australia
RRP: \$27.50



We all know Australia is an ageing society - but how do we stay healthy for all those years? This new easy-to-read and comprehensive guide provides some answers.

The book features tips about types of exercise that will maintain or improve health and strength later in life, and includes information about studies that show food variety protects against premature death. The authors point out that the Japanese have the longest life expectancy in the world and eat, on average, 30 different foods each day - they remind us that many Australians would not eat that many different foods in a week.

Dr Mark Wahlqvist is one of Australia's leading nutritionists. He is a professor of Medicine, director of the International Health and Development Unit at Monash University and chair of Nutrition Australia. Dr Gayle Savage is a research fellow and honorary lecturer in epidemiology and preventive medicine at Monash University, and a senior training officer at the Monash University FAO Centre of Excellence (for food quality, safety and nutrition).

Gold!: Forgotten Histories and Lost Objects of Australia

Edited by Iain McCalman, Alexander Cook
and Andrew Reeves
Cambridge University Press
RRP: \$49.95



As gold was discovered in Australia 150 years ago, immigrants flooded in from Europe and Asia, increasing the population, sparking new developments and prompting an economic boom.

Gold has shaped modern Australia in unexpected ways. The forgotten stories of Australia's gold history are brought together in *Gold!*, a new book by a team of prominent Australian historians and curators.

An essential history, the book includes chapters that trace how the discovery of gold impacted on our society, environment and culture and the Indigenous peoples in the region. Among the many contributors is Professor Graeme Davison, head of the History department at Monash University.

POSTscript

Mr Matthew Ricketson, Monash arts graduate and course coordinator of journalism at RMIT University, spoke at a Club 66 luncheon recently about his biography of popular Australian children's writer Paul Jennings. Club 66 luncheons are organised by the Monash University Alumni Office. For more information, contact Mr Gerard Healy on +61 3 9905 2044.

If you are a member of the Monash community and have a forthcoming book, contact monashnews@adm.monash.edu.au

Books featured in 'Inprint' are available or can be ordered at Monash's four on-campus bookshops.

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www.monash.edu.au

Home is where the art is

BY JUNE YU

Monash University's newest artist-in-residence, Ms Kathy Temin, uses Kylie Minogue and koalas to explore ideas of home and habitat.

Ms Temin is an accomplished sculptor, whose work focuses on human emotions in suburban and habitat settings.

She is the winner of several prestigious art awards, including the \$50,000 Moët and Chandon residency in France (1999-2000), the \$30,000 PS1 International Studio Program in

New York (1997-1998), and the \$35,000 Samstag Scholarship (1996-1997).

A self-confessed Kylie fan, Ms Temin said her work, 'My Kylie Collection', featured paraphernalia related to the pop diva, including 60 magazine covers, books and CDs from the past 15 years.

"The work is about fandom and is set in a room based on a 1970s girl's bedroom," she said.

"Most of my work is about habitation or used spaces - whether it's

animal enclosures or living spaces. I'm interested in collective or shared memory and use aspects of suburban and interior spaces to explore this.

"Everyone has memories of certain styles and materials from a particular time, such as shagpile carpets or certain types of decoration or furniture."

Several of Ms Temin's installations feature furry animals or objects in home or animal habitat settings. Her work 'Pet Corner' used two hired actors dressed in koala costumes who simulated sleeping, eating and mating rituals in a wood and bamboo setting.

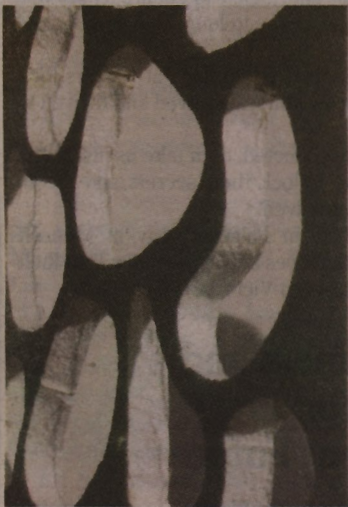
"This was intended to focus on the voyeurism in public spaces of private activities," she said.

'Some of my Favourite Things', a display at the London homewares shop Habitat, featured an array of items including soft toys, magazines and a lamp.

"In this installation, I was aiming to highlight a personalised collection in a public place," she said.

Ms Temin will spend her time as artist-in-residence in the Faculty of Art and Design teaching undergraduates and assisting masters students.

She will hold an exhibition in May at the Faculty Gallery at Caulfield campus. For more information, contact Mr Malcom Bywaters on + 61 3 9903 2882.



Monash artist-in-residence, Kathy Temin with one of her works, 'Prop (1997-98)' (left). Picture: GREG FORD

Glass artists find success

Four students and a lecturer from the Glass Studio in Monash's Art and Design faculty have recently won major Australian and international awards for their work.

Masters student Ms Holly Grace is one of 400 designers worldwide to have been selected by a jury to show her works at the prestigious Salone Satellite 2001 in Milan, Italy early this month.

The Salone Satellite is part of the Milan Design Show and, according to the judges, features "the designers deemed to have the best chances of one day making a name for themselves among the international design aristocracy".

Graduate diploma student Ms Kristin McFarlane has won the Westin Melbourne Craftmanship Award in the Ultimate Bombay Sapphire Martini Glass competition, presented by Bombay Sapphire Gin and *Vogue Entertaining and Travel*.

Masters student Ms Lisa Cahill has been awarded the Bullseye by Design Award. The award is an all-expenses paid trip to the Bullseye Glass Company factory at Portland, Oregon, in the US. During her one-month stay, Ms Cahill will work with the Bullseye team to create a range of designer ware for production and sale in the US.

Another masters student, Ms Niki Harley, has been included in the Corning Museum's Annual Review of World Glass. The New York museum holds the largest collection of glass in the world, and each year features 100 artists from around the world whose glasswork is judged to best represent the future direction of the medium. Ms Harley was included in the final 100 out of 2500 original submissions.

Glass lecturer Mr George Aslanis was awarded the Thomas Foundation Emerging Artist Award at the Ausglass Conference held in Melbourne in January. The judge for the award was eminent US artist Mr Martin Blank.

Top: 'Kiln-formed Glass Bowl (2000)' by Lisa Cahill. Right: Artist Holly Grace with some of her works.





Making a DIFFERENCE

Do you know a Monash graduate who has MADE A DIFFERENCE to his or her community?

If so, why not enter the 'Monash: Making a difference' photographic competition?

Capture their story and be in the running for a DIGITAL CAMERA valued at up to \$1000

For full details and entry conditions,
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Entries close on 30 June 2001.



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NEWS

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 or email monashnews@adm.monash.edu.au

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For media inquiries, contact David Bruce on + 61 3 9905 2040.

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