

# ADELAIDEAN

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NEWS FROM THE UNIVERSITY OF ADELAIDE

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## Economic reports cast light on wine industry's future

WHILE THE Australian wine industry celebrates its most dramatic and profitable expansion in 150 years, some wine producers, grapegrowers and investors are beginning to question the future. Will the current boom last? How long can production, demand and prices keep rising?

If past patterns are repeated, says a recent report from the Centre for International Economic Studies (CIES), the phenomenal price growth of the 1990s may soon end, leaving over-extended industry players in a precarious position.

The report is one of three publications launched in late June by the Centre's new wine economics research project, set up to examine a range of crucial issues likely to affect this dynamic, high-tech industry over the next five to 25 years.

The reports conclude that if the wine industry is to maintain buoyancy into the next century, it must be prepared to adjust to ever-changing market conditions, both within Australia and abroad.

"The world wine market is in a state of flux due to dramatic shifts in production, changing consumption patterns and new international trading agreements," said CIES Director and project leader, Professor Kym Anderson.

"There's a greater need than ever for systematic analysis of past patterns and recent changes to help Australian industry leaders and policymakers assess the global environment and anticipate future prospects."

*Trends and Cycles in the Australian Wine Industry, 1850 to 2000* examines the five boom-and-bust cycles that have punctuated the nation's wine-making history, and draws some sobering lessons for the future.

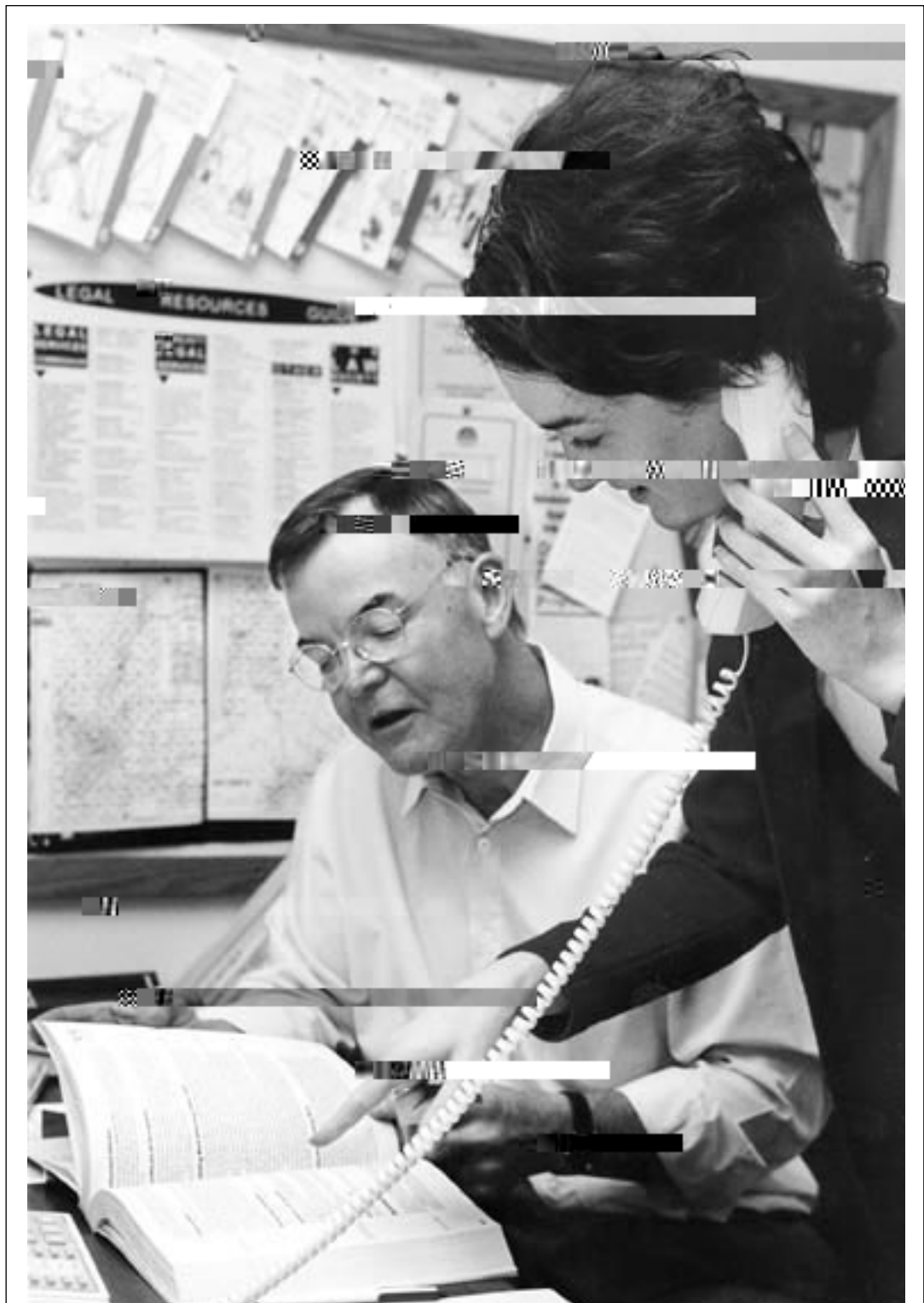
Past trends in production and consumption, from fortified wines, to red and white table wines, to high-quality, high-priced wines, are explored.

The authors then analyse the current boom, which in just ten years has fuelled a 140% increase in the volume of grapes crushed, a doubling of the area under grapevines and a ten-fold growth in exports.

While the previous booms all eventually crashed, adversely affecting many participants, this expansion has unique features that may help it last longer, say the authors.

Another publication, *Tax Reform and the Australian Wine Industry*, addresses the contentious issue of tax on wine consumption and the consequences of changes in the system for grapegrowers, wine producers and consumers.

Continued Page 4



Law students Neville Yates and Melanie Turner provide over-the-phone legal advice at the Legal Services Commission. Law students have been taking work placements as part of the subject "Clinical Legal Education", which is aimed at improving the students' knowledge and understanding of how the law works in society. Photo: Brenton Edwards. Story page 5.

## A new direction for campus health service

THE UNIVERSITY of Adelaide's Health Service will be put to tender—and staff and students will have a say in the shape of the new service.

The Vice-Chancellor, Professor Mary O'Kane, made the decision on the advice of the Vice-Chancellor's Committee, with a view to creating a high quality, more cost-effective service.

There is an increasing trend in Australian universities towards licensing medical practitioners to provide health services on campus. The University of Adelaide's health service has been running at a

substantial loss for several years.

The new service will be a bulk-billing practice contracted to the University. The University's counselling services will continue to be provided by salaried University staff.

Staff and students will have an opportunity to contribute to the competitive tendering process.

This can be done either through Garry Read, who is coordinating consultations to produce the tender document, or through the Student Services Reference Panel Open Forum on 3 August from noon to 2pm in the Union Cinema.

Existing health staff will have the right to submit a tender.

The Acting Vice-Chancellor, Professor Doug McEachern, said he would like to record his appreciation of the commitment and dedication of the health service staff.

"The tender process will open up the possibility of University staff being covered by the health service," he said.

"The new structure will provide substantial savings, while allowing the University to provide a cost-effective and high-quality health service."

Professor McEachern encouraged staff and students to have a say on the future of the service, particularly through the Student Services Reference Panel.

The panel will play a key role in consultations as part of its broad consideration of the gaps and duplication in the delivery of services by the University, the University Union and external service providers.

—David Washington

Garry Read can be contacted by phoning 8303 4638, or email <gread@registry.adelaide.edu.au>.



Using computers in learning has some currency at this, and other, institutions. I've looked around a bit and see two principal ideas at play in these efforts. Both are well-explained as metaphors.

The first, which I shall call here the "conduit" metaphor—a name by no means new—sees computing as providing a conduit along which information flows between and amongst students and their teachers. If we view computing as a conduit, we ask questions such as: What does the conduit carry?, To where is information delivered?, Who can access information?, When is information available?, How is information carried?, Why distribute information this way? and How can information be recorded and controlled?

Answers to these questions tend to leave the actual information untouched, though perhaps represented in new forms such as computer-based multimedia.

We might also ask the question, How are computers not like conduits?, in which case we may start to look at other aspects of using computers in learning. A university that attends to this metaphor might well build information technology infrastructure, especially networks, support multimedia in learning and teaching, think about exporting subjects and courses, build better student information systems, and encourage staff to use information technology in teaching. This appears to me to be the majority view at an institutional level around the world today.

A contrasting view sees computation as "clockwork", a device that simulates or models a discipline metaphorically as a clock models time. We know that "clockwork" is at play when we see people creating simulations and using them to understand their field. For example, in my discipline, common simulations include visual representations of buildings as three-dimensional computer models, economic simulations of the life-cycle costs of a development using a spreadsheet, and finite-element models of the thermal environment around and within a building. It is well-known that all simulations have two inherent problems and that wisdom in using simulation has much to do with understanding the manifestations of these problems in particular situations.

The first problem is that simulations are always approximations, the degree of which must be understood and acknowledged in any wise use of a simulation. For example, we might ask about the accuracy of a clock, or of the visual correctness of a computer-generated perspective rendering of a building. The second problem is that simulations are abstractions—they simultaneously reveal and hide. For example, clocks reveal to us a discretised, "objective" time, quite different from our subjective perceptions of a continuous and often variable time flow. A life-cycle model of a development may reveal likely

cash flows and investment returns, but implicitly hide all non-monetary implications.

A major part of learning about simulation is thus learning its limits. Even with these problems, we find simulation at the heart of much scholarly and professional activity today.

If we attend to the "clockwork" metaphor we might ask: Under what conditions does a model accord with a discipline?, How does a model work?, How can a model be adapted to work better? and How does a model help learning? Each of these questions naturally leads to an examination of both the discipline and the role of computing within it.

A university that attends to computing as clockwork might build computing infrastructure, including networks, seek to develop and appoint staff who are experts in computation as it applies to their disciplines, create mandatory university-wide computing subjects, strategically develop opportunities for learning the basic and applied aspects of computing across the university and encourage constant and meaningful practice in computing in all its disciplines. Clockwork appears to take a minority position in most institutions.

The conduit metaphor is pervasive, even dominant, at most institutions I know. Just by that fact, it would bear close examination. Clearly universities gain from being able to better distribute, market, control and account for their offerings—perhaps such aspirations explain the popularity of "conduits." Universities also gain from taking leadership in knowledge and learning, and if I look at my discipline, I see it undergoing some fundamental change as computing becomes an integral part of its method and professional practice. Leading that change and preparing our students to lead it is a high aspiration. I think it likely that the students would concur.



NEW WORKS OF ART are on display at the University of Adelaide as part of a commitment to emerging South Australian artists.

Earlier this year the university received a grant from the University of Adelaide Foundation, with additional funding coming from consultancy earnings by the University Art Curator, Mr John Perkins.

The objective was to purchase works of significance from emerging artists in South

Australia. Those acquired ranged from sculpture and photography to oil and laser scans on canvas.

An exhibition of some of these works is now on display in the Mitchell building (entrance to the Wills building), North Terrace campus. Featured artists include Annette Bezor, Stephen Gray and Rick Taylor.

Staff member Eliza Chui (pictured above) stopped to take a look at one of the works by Stephen Gray, whose photographs were taken in Bolivia, Mexico and Ethiopia

during the 1970s and 80s.

"These acquisitions have given encouragement to talented local artists, many of whom find great difficulty in establishing artistic careers in Adelaide," said Art Curator John Perkins.

"The new works also help to bring a freshness and vitality to the University Art Collection."

The exhibition will later go on display in the Waite Building and the Barr Smith Library.

—David Ellis

## Engineers and Mathematicians come together

A MAJOR Engineering Mathematics and Application Conference (EMAC 98) is taking place at the University of Adelaide this month (13-16 July).

The Third Biennial International Conference, on the theme "Mathematical Research: The Interface Between Engineering and Mathematics", will be held in the Napier Building and showcase eleven distinguished engineers and mathematicians in plenary talks.

Among them are Leonardo da Vinci Prize winner Heinz Zemanek from Vienna; the President of the American Society of Engineering Education, Winfred Phillips; and Mei Kobayashi from the IBM Research Laboratory in Tokyo.

Another highlight will be a full session in honour of Australian engineering mathematician JH Michell to commemorate the centenary of his pioneering work in Ship Hydrodynamics at the University of Melbourne.

Conference chair, Associate Professor Jagannath Mazumdar from Applied Mathematics, said the conference was important in bringing engineers and mathematicians and a range of thought-provoking ideas together under one umbrella.

For information contact Associate Professor Jagannath Mazumdar, tel 8303 5084, fax 8303 3696, email <jmazumda@maths.adelaide.edu.au>.



## Adelaide, your Uni is open

HERE'S A DATE to remember—Sunday, 2 August.

That's when the University of Adelaide will hold its Open Day for 1998.

Open Day, which this year will be held at North Terrace campus, showcases the University's excellent work and facilities to the South Australian public.

The program promises to be an exciting, entertaining, informative and lively one—giving visitors from the community the chance to interact with staff and students, and hear, see and experience life on campus.

Ms Leanne Carr and Ms Mary Hudson (pictured above, left to right) are the Open Day Coordinators. Organisation of Open Day is in full swing, but Ms Carr and Ms Hudson are still interested to hear from any staff who might have their own suggestions for the event. They can be contacted on ext. 34263.

Hundreds of high school students and their families will be on campus during Open Day, which also incorporates Student Information Day. Another Information Day will be held at the university's Roseworthy campus on Friday, 31 July.

## NEWS IN BRIEF

### BRITISH STUDIES VISITOR

Cynthia Herrup, Professor of History and Law at Duke University, will be based in the Centre for British Studies and History Department as a Distinguished Visiting Scholar until late July.

Professor Herrup has published an influential monograph on early modern English criminal justice, while her study of an early 17th century *cause célèbre*, the 1631 trial of the Earl of Castlehaven for rape and sodomy, is forthcoming with Oxford University Press.

During her Adelaide visit, Professor Herrup will work on the cultural and legal framing of early modern ideologies of mercy, and the ways in which particular societies create mercy in their own images. She will present a paper on the topic on Monday 20 July at 1.10pm in Napier 420. A second presentation, on the Castlehaven trial, will be held on Friday 24 July at 4pm, also in Room 420.

For further information, contact Professor Wilfrid Prest on 8303 5605/5611.

### ADELAIDE'S LOST FAUNA

The South Australian Museum has opened "Lost Fauna of Adelaide", an exhibition portraying native animals of the Adelaide region which have become extinct since European settlement.

The exhibition highlights how the distribution of animals has changed over the past 150 years as a product of urban development.

"Most people are not aware of the costs involved in building a city," said the exhibition's curator, Dr Mark Hutchinson. "This exhibition will help us appreciate the plants and animals that remain."

"Lost Fauna of Adelaide" is showing until December on Level 2, SA Museum.

### ARCHITECTURE APPROVAL

Degree courses in the University of Adelaide's School of Architecture have received full accreditation for a five-year period following a recent visit by the National Visiting Panel of the State & Territory Registration Boards and the Royal Australian Institute of Architects.

The panel noted the high enthusiasm of the student body, and commended the School of Architecture's strong cross-cultural emphasis and international outlook, particularly in relation to Asia and the Middle East.

### GAMMA RAYS, BLACK HOLES, DINOSAURS

Dr Brian Boyle will open a window on gamma ray bursts, black holes and the death of the dinosaurs at a free public lecture in the Flentje lecture theatre on Tuesday 7 July at 7.30pm.

"For over 30 years, astronomers have puzzled over the nature of gamma ray bursts," says Dr Boyle, who is director of the Anglo-Australian Observatory at Coonabarabran.

"They are intense sources of high-energy radiation which switch on and off in a matter of seconds. These objects are linked with the most exotic forms of matter in the Universe—neutron stars and black holes—and may be responsible for the periodic extinctions on Earth," he says.

# Economic reports cast light on wine industry's future

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Wine is already subject to a substantial wholesale sales tax of 41%. If the Government replaces this tax with a value-added tax (VAT), which is likely to be lower, will it make up the difference by imposing a penalty tax on wine? If so, should the tax be value-based or, as with beer and spirits, volume-based?

While a VAT could benefit the industry—even if the current tax level on wine remains the same—greater gains for the overall economy would accrue from lowering the wine tax rate below its current level, while sizeable losses would result from raising it to the same rate as beer.

"An excise tax based on alcohol volume could harm producers and consumers of low-priced wine while benefiting premium wine producers and consumers," said Mr Glyn Wittwer, co-author of the report.

"But if the tax is matched to that for beer, this could harm both ends of the market and lower national economic welfare."

"The Government will need to consider these issues against the now recognised health benefits of moderate wine consumption on the one hand, and the social costs of excessive alcohol consumption on the other," Professor Anderson added.

*Trends in the World Wine Market, 1961 to 1996* is a compilation of data on production, consumption, trade and growth among 49 countries and country groupings around the world. It also features world rankings and statistics grouped together for countries with common interests.

"This collection is a first attempt to bring together available data on the world wine market and to summarise it in ways that make trends more transparent," co-author Dr Randy Stringer explained.

"It reflects major changes in the

world wine landscape, such as declining production in Europe, increasing consumption in Asia and rapid expansion in southern hemisphere exports."

The researchers' next step will be to look at the various factors that contributed to the latest boom, examine the prospective contribution of those and other factors for the decade ahead, and draw lessons for other rural industries such as olives.

Seed funding for the project was provided by the Winemakers' Federation of Australia and the South Australian Government, with additional support from the Grape and Wine Research and Development Corporation and the Rural Industries Development Corporation.

—Lauren Drewery

Copies of the three reports can be purchased from CIES by calling Zoe Ratcliffe on 8303-5672.



Photo courtesy of South Australian Tourism Commission.

# Survey shows that public breastfeeding still lacks widespread acceptance in the community

BREASTFEEDING in public is not an acceptable practice, according to a survey of Adelaide's northern community.

The survey—of more than 3400 people in the northern suburbs—shows that 83% of the community believes breastfeeding is not acceptable in public, unlike bottle feeding.

The survey also shows that mothers feel very uncomfortable breastfeeding in public, particularly on public transport, in shopping malls and in public eating places.

The research, funded by the SA Health Commission and conducted late last year by PhD student Ms Ellen McIntyre, from the University of Adelaide's Department of Public Health, aims to understand public and individual attitudes to breastfeeding, as well as knowledge of rights and responsibilities.

Ms McIntyre held a community consultation in the northern metropolitan area in a bid to discuss her results and develop strategies to make breastfeeding more acceptable in public.

The meeting, which brought together representatives from the retail industry, local council, health providers, the Passenger Transport Board, the Equal Opportunity Commission and consumers, made several recommendations that it hoped would make breastfeeding outside the home more acceptable and easier to do.

"Service providers are not clear about their rights and the rights of mothers in relation to breastfeeding in public," said Ms McIntyre.

"While the majority of the community believes that breastfeeding in public is not acceptable, they also agree that

there is not always a place to breastfeed outside the home.

"Currently there are limited public facilities for breastfeeding, and these rooms are almost always in or near toilets," she said.

Breastfeeding in public is allowed under the Equal Opportunity Act.

To help mothers feel more comfortable about breastfeeding in public, it was recommended at the meeting that mothers be provided with suggestions on how to breastfeed in public.

Another recommendation was the development of a sign to designate "baby friendly" places, so that mothers who wished to breastfeed in public would know where they were welcome.

It was also recommended that new public buildings frequented by

mothers and babies make provision for rooms that provide privacy for breastfeeding.

Ms McIntyre had previously conducted a State-wide survey into the public's attitude towards breastfeeding. That survey also showed that the majority of people were not in favour of breastfeeding in public.

"The recommendations from this community consultation could be applied throughout the State, since the attitudes conveyed in that survey were similar," Ms McIntyre said.

"I hope that with more community discussion about the issues people might realise what the rights of breastfeeding mothers are, and also start to develop an acceptance of the practice."

—David Ellis

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# Law project: theory meets practice

LAW STUDENTS are putting their study into practice—and learning in the process—by taking on work at Adelaide's community legal centres, the Magistrates Court and the Administrative Appeals Tribunal.

The work placements are part of a subject called Clinical Legal Education, which is aimed at improving the students' knowledge and understanding of how the law works in society.

This year there are 40 students from the University of Adelaide's Law School taking part in the subject. In the classroom the students learn about issues such as social justice, access to justice and the power of the law in society. In the workplace, the students play a hands-on role in a court or legal office, enabling them to experience the reality of these issues for themselves.

"It's very participatory," said the coordinator of the subject, senior lecturer Ms Margaret Castles.

"The students interview clients, they're involved in casework, conduct research, attend court, speak to clients over the phone—it is very hands-on.

"But the subject isn't only concerned with practical skills," Ms Castles said. "It's focused on what it means to be a lawyer, the role of law in society, professionalism and legal ethics. The work placements give context to the students' study."

Each student must complete a major project which is worth 30% towards their grade. The project is tied in with the theory they have learnt and its application in the workplace.

"Having to do a project such as this keeps the students' minds focused on the issues, rather than just absorbing practical skills," Ms Castles said.

The Clinical Legal Education program is funded by the Law Society of South Australia's Excess Guarantee Fund and was run for the first time in second semester 1997. In view of the

success of the program, the Law School has decided to take over its funding from November 1998.

"The feedback from all the students so far has shown that it's been extremely valuable," Ms Castles said.

"The feedback from the agencies, particularly from the Magistrates Court, has also been very positive. The agencies that take on these students put a lot into it, but they also get a lot out of it—it's a good arrangement, and they're keen to continue with the program and to entrench these links with the university.

"Our overall aim is that the students who take part in this subject will develop a stronger sense of professionalism and ethics, both from their hands-on experience and from what they're been learning here at uni. That in turn will make them better lawyers once they finish their studies," she said.

—David Ellis

# Dental hygienists the focus of cross-cultural research study

A MAJOR international study involving the University of Adelaide and the Karolinska Institute, Sweden, hopes to understand and improve the work conditions of dental hygienists in Australia and Sweden.

Hundreds of dental hygienists in both countries will be asked to fill out questionnaires detailing their working conditions. The results will be used by professional associations to improve the workplace and prevent work-related stress and injury.

The main researcher behind the study, Ms Viola Ylipaa from the Karolinska Institute's Faculty of Odontology, is collaborating with academic staff from the University of Adelaide's School of Dentistry.

"The aim of our study is to gain a cross-cultural understanding of the psychological, social and physical factors associated with the practice of dental hygiene," said Ms Ylipaa, who visited Adelaide earlier this year.

While in Adelaide she conducted a pilot study and collaborated on the questionnaire with Professor John Spencer, Mr Fearnley Szuster and Dr Kaye Roberts-Thomson from the Australian Institute of Health & Welfare Dental Statistics and Research Unit (Social and Preventive Dentistry).

There are considerable differences in the practice of dental hygiene in Sweden and Australia. IoffisCasTjT\*-0.0and3 sa74.untB658crt.yc ouuadoET2 Tw[ St2(.lw id.herein814,)Se k730.0779 1kilmentstiethee a/F2325drBu2.34.8 Tm10 0 TD(F8.4 7 TD

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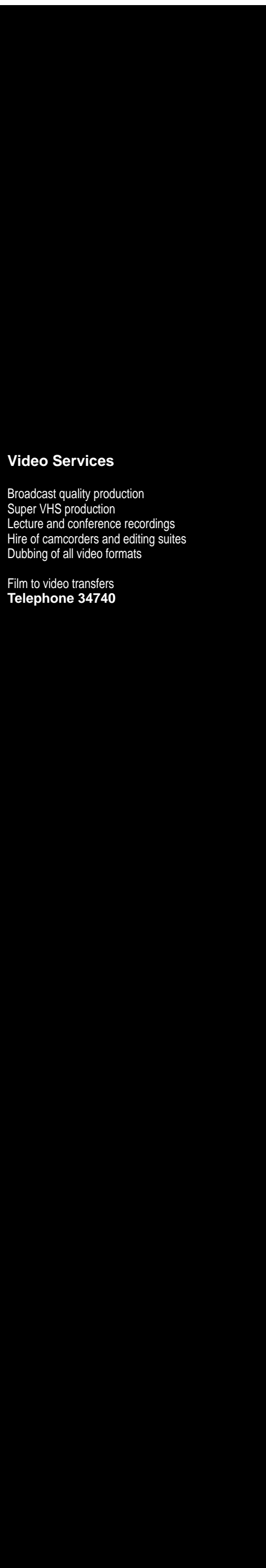
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# Dentistry graduate wins key UCLA post

UNIVERSITY OF ADELAIDE dentistry graduate and former academic staff member Dr Rory Hume has been selected at the new Executive Vice-Chancellor of UCLA.

As Executive Vice-Chancellor, Dr Hume will serve as the campus's second-ranking official and its chief operating officer. Dr Hume is Dean of the UCLA School of Dentistry.

He qualified in dentistry in 1968 and completed a PhD in pharmacology in 1972, both at the University of Adelaide.

He became a postdoctoral research fellow in Pharmacology at the UCLA School of Medicine in 1975. He was appointed Assistant Professor in 1977 then Associate Professor in 1980 at the UCLA School of Dentistry.

Rory Hume then returned to Australia as Senior Lecturer and became chair of the Department of Dentistry at the University of Adelaide in 1984.

In 1987 he was appointed Professor of Restorative Dentistry at the University of Sydney and was the elected Dean of the Faculty of Dentistry there from 1989 to 1991.

The University of Adelaide awarded him the degree of Doctor of Dental Science in 1990 for his published work.

Dr Hume returned to the US in 1991 to take up the Chair of Restorative Dentistry at the University of

California, San Francisco. He was appointed Dean of the Faculty of Dentistry at UCLA in 1996.

Throughout his career Dr. Hume has been active in clinical dentistry, teaching and research. He is the author of over 90 research publications and textbook chapters, principally on the pharmacology and toxicology of materials and medicaments used during tooth restoration or dental pulp therapy.

His research has been continually funded by either the US National Institutes of Health or the National Health and Medical Research Council of Australia since 1979. With Graham Mount (a visiting research fellow at the University of Adelaide's Faculty of Dentistry) he is the co-editor of a recent text on the preservation and restoration of teeth.

Rory Hume is married to Jennifer Hume (nee Haynes), a former lecturer in Law at the University of Adelaide and they have two adult children. He is a Lieutenant-Colonel in the Australian Army Reserve, represented Australia in rowing in 1970 and in 1995 represented the US in sailing.

## ALUMNI NEWS

### AFUW ON SOLAR CARS

The Solar Car Challenge will be the topic of discussion at the next AFUW SA Inc General Meeting, on 28 July, 7:30 - 10:00 pm, at the Charles Hawker Conference Centre, Waite Campus, University of Adelaide.

Students from schools and colleges participating in the Challenge will speak about the experience.

All members of AFUW SA Inc and other women interested in the topic or wanting to join AFUW are invited. There is no charge to attend the meeting. Tea and coffee are offered for a small contribution afterwards.

The AFUW SA Inc Breakfast Club is currently in its winter recess, and will begin again on the first Monday of September with guest speaker Professor Alison Mackinnon: "Love and Freedom".

### ALUMNI ACTIVITIES PROGRAM

The Alumni Association visited the Barr Smith Library's Special Collections section on 16 June to view selections from the collection of books bequeathed to the Library by the late Ralph Hague.

Special Collections Librarian Susan Woodburn gave a comprehensive presentation about the collection, which comprised some 30,000 books and represented a lifetime of interest in books and reading, ranging over a wide variety of subjects.

In July, the Alumni Association invites graduates and friends to attend the public lecture that marks the start of the Research Centre for the History of Food and Drink's first international conference.

The public lecture will be delivered by M. André Cointreau at 5:00pm in Napier Lecture Theatre 102 on Wednesday 8 July. Bookings not necessary.

In August, the Alumni Activities Program returns to the Barr Smith Library, where University Librarian Ray Choate will give an illustrated talk entitled "Is the Book Dead?"

In posing this challenging question, Mr Choate will examine changes in the use and management of libraries in today's changing information climate. As the horizons of our information world expand, will the traditional methods of transmitting and preserving knowledge give way to a new paradigm?

Please book for this activity to assist with planning; telephone 8303 4275.

### CAMPUS TOURS: SHARE YOUR UNIVERSITY WITH A FRIEND

Are you expecting visitors from interstate or overseas? Do you have friends looking for an interesting morning's exploration? Are you a member of an organisation looking for something 'different' for its social program?

The Alumni Association is offering walking tours of the North Terrace Campus on Tuesday mornings at 10:30 am. Tours last approximately an hour and a half. Cost: \$3 per person; proceeds go to the Alumni Association's Scholarship Fund.

Groups are welcome: please telephone 8303 4275.

The tour includes some strenuous sections, with stairs to be negotiated. Participants are urged to wear comfortable shoes.

# Old buildings get a new breath of life

HOME GROWN technology which aims to breathe new life into old buildings is now being exported overseas—all because of an air conditioning problem at the University of Adelaide.

The technology, developed and owned by Adelaide company Dadanco, improves the efficiency and reduces noise levels of older induction air conditioning systems.

A former Mechanical Engineering student and now the managing director of Dadanco, Mr Vladimir Petrovic, said the idea stemmed from his time at the university.

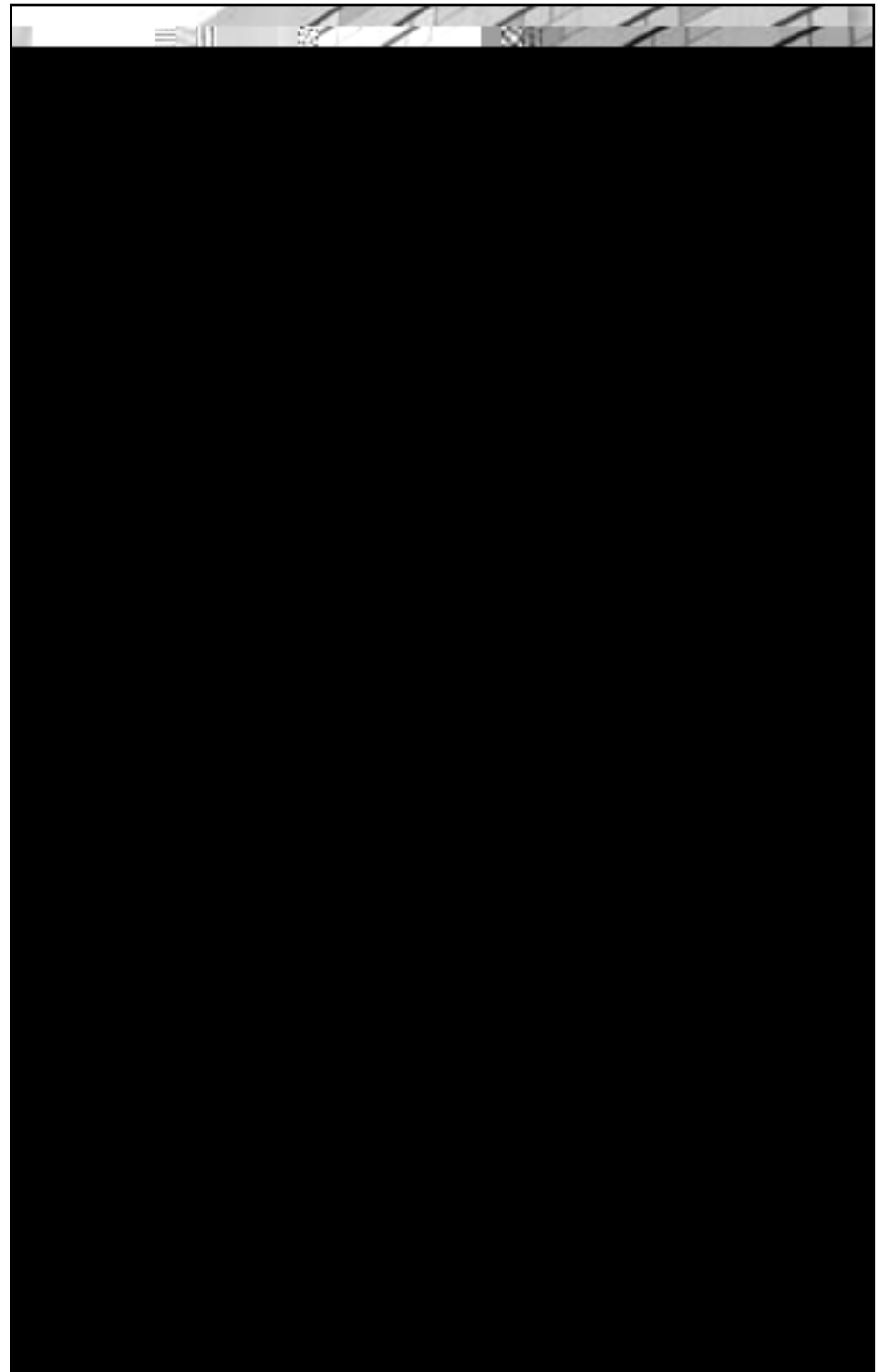
"A little over three years ago I was working on a PhD project with Professor Sam Luxton when the university's management came to us with a problem that needed to be urgently addressed," he said.

"The 13-floor Capita Building on the corner of North Terrace and Pulteney Street, owned by the University, was being vacated by government tenants because of new regulations concerning temperature and noise in the building.

"As Sam Luxton was the Professor of Mechanical Engineering at the uni, the job to find a solution came to him."

Professor Luxton and Mr Petrovic conducted a range of experiments, eventually settling on a new nozzle design which would increase airflow and dramatically lower noise levels. They also made other improvements which would boost

efficiency in the air conditioning system.



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**MYRTLE BANK:** 5 mins from Waite and bus to North Tce. 1 br garden flat, very pleasant, suit quiet person. \$100 pw + exp. Ph 8379 5839.

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**NORTH ADELAIDE:** Lge 4 roomed, fully furn flat with pool, garden. \$380 pw incl gas & elec. Ph 8267 1081.

**PARKSIDE:** Person to share lge 3 br house with 2 males. Avail now. \$60 pw + bond & exp. Ph Anna 8271 4419.

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**WANTED:** Visiting academic and family requires fully furn, 4 br house from 1 Oct 98 - 30 June 99. Ph Tony Winefield 8303 5278 or email: <awinefield@psychology.adelaide.edu.au> or Anne Hammarström email <Anne.Hammarstrom@fam.med.umu.se>.

**WANTED:** Visiting academic and family require 2 br house for Dec 98. Prefer eastern suburbs. Ph 8332 5982.

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8272 9453.

**COMPUTERS:** Easy to use Macs; warranty; free tuition if required. From \$75. Ph 8322 8827.

**DATSUN:** 180B, 1975, auto, good engine and condition, blue, registered until Sept 98. \$590 ono. SLB 654. Ph 8222 7456.

**FLAT:** Broadview - 2 rms, 1 double, 1 single, sep dining & lounge rms, gas stove & heater, new hot water service. Repainted, new carpets. near shops, transport. \$60,000. Ph 8267 4446.

**HOUSE:** Aldinga Beach - 2 storey in 2 sc sections, comfortable with potential. \$89,000. Ph 8431 2147.

**HOUSE:** St Mary's - Charming 1950s brick home, polished jarrah floors and original character features. 3 double br, nth facing lounge, formal dine, renovated bathroom. Subdivided block with garden. Low \$100s. Ph Matthew or

Nicole 8277 9675.

**LOUDSPEAKERS:** 2 custom built, wood grain cabinet, 2 inch tweeter, 4 inch horn, mid-range 10 inch woofer with good crossover. \$100 ono. Ph Henk 8431 5202 or Mary 8222 5443.

**MISC:** Piano - fully upright, beautiful polished walnut, \$2,900. Toyota Corona - 1981, reliable, SPN 815, \$2000 ono. Ph 8369 2220.

**MISC:** Fridge, upright. Wardrobes (2). Ph 8365 2935 (ah) or 8303 4747.

**MISC:** Mountain bike - 12 spd, unisex, Shimano gears, helmet & other accessories, \$98. Evaporative cooler, lge, \$110. Electric desk fan, \$10. Garden hose with nozzle, \$5. Christmas tree, 4 ft, with lights & accessories. \$50. Ph 8332 3386.

**MISC:** English 2 seater settee and chair, fawn colour, good cond, \$350 ono. White laminex desk, one shelf, \$40. Ph 8331 8079 (after 6pm).

**FLURO-TUBES:** 4' tubes,

\$5 per box, approx 25 in box, second hand. 2' tubes, \$4 per box. Fan heaters, small, 1000w/2000w, \$30. Ph Richard 8303 5921.

## WANTED

**POSTGRADUATE (PhD)** student to tutor year 12 subjects - maths & chemistry in eastern suburbs. Ph Jodi 8332 3863 (ah).

## TENDER

**TENDER:** Flail mower 1993 Jacobsen T422 Turfcut diesel 4WD front deck 60", 21.5 HP hydrostatic drive, power steer, 263 hrs operation. Trencher - Ditch Witch V30 4WD, 4 cyl, 30 HP Wisconsin petrol engine, 4 forward speeds, 1 reverse, trench (1321mm d x 450mm w), backfill blade (1616mm w x 4009mm h). 1563 hrs operation. Inspection Monday 6 July, Waite Campus, ph Andrew Brokenshire 8303 7217. Tenders 7 July at 5pm CST-Reference No. AUT001 to the Purchasing Manager, University of Adelaide, PMB1, Glen Osmond SA 5064.



# Bulletin Board

**1.00pm Microbiology & Immunology PhD Progress Report:** The role of thrombopoietin in haematopoietic stem cell growth by Mr David Haylock (Division of Haematology, Hanson Centre for Cancer Research/IMVS).  
Departmental Library, 5th Floor, Medical School South.

**1.00pm ARC Small Grants Scheme Information Session:** For potential applicants for funding in 1999. Session will be attended by Deputy V-C (Research), current and recent Panel Chairs and members of the Research Branch. Council Room, Level 7, Wills Building.

**6.30pm Australian Institute of International Affairs:** International Society and People-Based Norms by Dr Paul Keal (Senior Lecturer, Politics, University of NSW, Australian Defence Force Academy). Margaret Murray Room, Level 5, Student Union Building.

**1.10pm Genetics:** PhD proposals by Alyssa Harley and Sonia Donati. Seminar Room, Ground Floor, Fisher Building.

**7.45pm Field Geology Club of SA Lecture:** Sir Douglas Mawson - Explorer, Geologist by Dr David Corbett. Mawson Lecture Theatre, Mawson Laboratories.

**12.30pm Cooperative Research Centres Program Seminar:** For all staff likely to be involved in any way in developing applications for the 1998 round of the CRC program. Dr Geoffrey Vaughan (Chair, CRC Committee), Professor John Ballard (Director, CRC Tissue Growth & Repair), Deputy V-C (Research), Director, Finance & Infrastructure and a member of the CRC Secretariat will be present to answer questions. Council Room, Level 7, Hughes Building.

**1.00pm Microbiology & Immunology PhD Progress Report:** PhoP/Q regulated genes of Salmonella typhi by Ms Sarah Baker.

Departmental Library, 5th Floor, Medical School South.

**1.10pm History Seminar:** German Atrocities in 1914: fact, fantasy or fabrication? by Professor John Horn (Department of Modern History, Trinity College, Dublin). Seminar Room 420, 4th Floor, Napier Building.

**5.15pm Centre for Intercultural Studies & Multicultural Education / Hellenic Studies Institute of SA Seminar:** The Changing Shape of Multiculturalism by Professor Mary Kalantzis (Dean, Faculty of Education, Language and Community Services, RMIT University). Council Room, 7th