

ADELAIDEAN

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NEWS FROM THE UNIVERSITY OF ADELAIDE

DECEMBER 7, 1998

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As a world-class wine facility opens...

A \$3.5 MILLION multi-purpose wine science laboratory, regarded as one of the best teaching and research facilities of its kind in the world, has been officially opened at the University of Adelaide's Waite Campus.

The Vice-Chancellor, Professor Mary O'Kane, said the Hickinbotham Roseworthy Wine Science Laboratory would enhance the University's international reputation for research and teaching excellence in oenology, viticulture, wine marketing and wine business.

"It will also provide the Australian wine industry with high-calibre graduates who are better prepared to meet the demands of an increasingly competitive field where knowledge and expertise are paramount," she said.

The wine science laboratory is a University of Adelaide funded venture aided by significant donations from the Hickinbotham family, the McLeod Bequest to the

Faculty of Agricultural and Natural Resource Sciences, industry, SARDI and the Australian Wine Research Institute.

The laboratory incorporates winemaking facilities for undergraduate teaching and post-graduate students and will accommodate visiting scientists and research partners, including the Australian Wine Research Institute and SARDI.

It also has testing facilities, research laboratories and tutorial rooms and a small-lot winemaking facility for critically assessing and evaluating wine for the industry.

A special feature of the laboratory is a state-of-the-art analytical facility where research into grape and wine quality, food processing and essential and edible oil production will be carried out.

The manager of the wine science laboratory, Mr Mark Turnbull, said the project demonstrated the level of



An artist's sketch of the new \$3.5m wine science laboratory. Picture courtesy of Mark Turnbull

collaboration between the University and industry.

"The wine industry's plan for the future, Strategy 2025, clearly states the need for maintaining and improving the technical, marketing and managerial skills of its

workforce at all levels to remain competitive, and it's great to see the University of Adelaide and other key players being a major part of that," he said.

The laboratory has been named after the late Alan Robb

Hickinbotham for initiating Roseworthy's first oenology course in 1936 and Roseworthy for its longstanding universal association with the training of first-class winemakers and viticulturists.

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Study grants foster close international links

ADELAIDE CITY COUNCIL will award a number of grants to international students studying at the University of Adelaide next year, fostering closer links between the council, universities and students from neighbouring countries.

The University Study Grants are a once-off contribution for the part payment of the selected students' first-year tuition fees.

Students chosen to receive the grants must have been studying at Year 12 (SACE) level in a South Australian secondary school this year, must apply and be accepted into the University of Adelaide or University of South Australia, and must be an international full fee-paying student from the Asia-Pacific region.

Interviews with a number of candidates have already been held, with the successful students announced early next year. Applications for the study grants were received from a wide range of international students whose home countries include China, Hong Kong, Indonesia, Japan, Korea and Singapore.

The University Study Grants are being offered for the first time by the Adelaide City Council.

"Hopefully these scholarships will become clearly identified among

international students as exciting opportunities to focus their attention on Adelaide and its wonderful educational facilities," said Adelaide Lord Mayor Dr Jane Lomax-Smith.

"Adelaide is an ideal University City—its facilities are excellent and the city offers many advantages to international students, especially relating to the cost of living."

The Adelaide City Council has been working closely with the University of Adelaide's International Programs Office in finalising the details of the study grants and conducting interviews with candidates.

"This is an important move by the Adelaide City Council because it benefits the students, the universities and the city as a whole," said Ms Vivien Hope, head of International Student Support at the university.

"It's an extra incentive for the international students to stay in Adelaide for their undergraduate degree, rather than moving to Melbourne or Sydney. And it shows that we welcome and value their contribution to Adelaide and its future."

The exact number and amount of the grants will be determined in January 1999.

—David Ellis

...ARC grants provide a boost to wine research

WINE RESEARCH equipment worth \$350,000 is part of the more than \$10 million in new research funding won by the University of Adelaide from the Australian Research Council.

The University's position as a national leader in wine research was bolstered by the latest ARC grants announcement, which included funding for the state-of-the-art analysis equipment.

The equipment will aid research into grape and wine processing and innovation in wine production.

Three other grants also support the wine industry, with Economics Professor Kym Anderson winning a \$146,000 Large Grant to research the future of the Australian Wine Industry.

Two Strategic Partnership with Industry: Research and Training (SPIRT) grants were won by the Department of Horticulture, Viticulture and Oenology.

The announcement of the ARC grants came on the same day as the official opening of the new \$3.5 million Hickinbotham Roseworthy Wine Science Laboratory at the Waite Campus.

The Vice-Chancellor of the University

of Adelaide, Professor Mary O'Kane, said it was gratifying for the University's focus on the wine industry to be rewarded at such a time.

"These grants reflect the University's position as a major international contributor to research and teaching in the wine industry," she said.

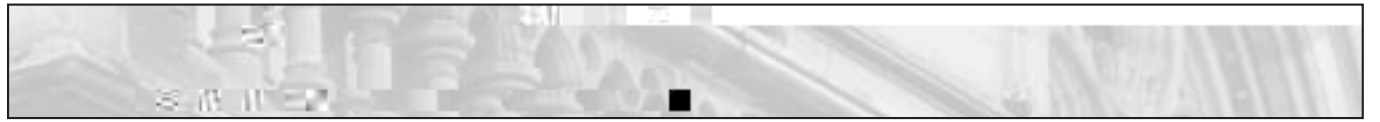
"Many of our other researchers have also been recognised, with physiologists being particularly successful with the ARC grants and also last week's NH&MRC grants and fellowships."

University researchers investigating areas as diverse as human behaviour and plant biology won ARC Large Grants worth \$5.3 million over three years and ARC Small Grants worth \$1.7 million.

Nine researchers were awarded prestigious Australian Research Fellowships. Fifteen new SPIRT grants, worth \$700,000 in total, were awarded to support work with industry.

The University is also a partner in eight new grants worth \$2.2 million, funded under the Research Infrastructure Equipment and Facilities Program.

—David Washington



We have not really heard a great deal about the floods in China, in part probably because for the external world the Chinese Central Government has kept a low profile on the matter. Furthermore, almost everything about China belies the imagination; its history, its size, its population. Whatever the cause, the recent floods, although probably the biggest natural disaster of the decade, receded very quickly from the news. As a result, most of us fail to realise just what a devastating impact they have had. We have heard considerably more about the current crisis caused by Hurricane Mitch and its impact on Honduras.

For much of China, the situation was analogous, albeit on a far larger scale, to what happened earlier this year in East Gippsland. There the area was experiencing a severe drought leading into winter, and then came the torrential floods. Stock which had survived the drought were singularly ill-equipped to cope with cold and wet weather simultaneously so many of them perished. When the drought broke in China, it did so with a vengeance, with the resulting floods classed as the worst for forty years.

China experienced enormous flooding in 1931, when an estimated 200,000 people lost their lives. The next really serious flood was in 1954, when some 36,000 lives were lost. Hu Angang, from the China Academy of Sciences, has estimated that the damage from these recent floods is 10 times heavier, based on constant prices, than in 1954, with the cost expected to be as much as \$US36 billion, or four percent of the gross domestic product. Paradoxically, loss of life has been much less, with the latest estimate standing at more than 3600.

Central China is dissected by the country's largest river, the Yangtze. In the north the Yellow River, historically another source of major floods, flows out from the yellow earth plateau and then makes its way across the North China Plain. In the north-east a third great river, the Songhua, also flows east. Flow rates in these rivers at the peak of the floods were astronomical. At the fifth flood crest, the Yangtze flowed at a rate of 56,900 cu m/sec, and at its third and greatest crest, the Songhua flowed at 17,300 cu m/sec. By comparison, the current flow for the River Murray as it enters South Australia is a minuscule 40 cu m/sec!

Covering 1.8 million square kilometres, the Yangtze basin holds more than one third of China's population of 1.2 billion, and the equivalent of 40% of China's total industrial and agricultural output. Thus it is not surprising that in this region alone, the direct economic losses have been at least \$US24.1 billion, and more than 240 million people have been affected, together with the nationwide loss of 23

Mech Eng students show their expertise

ALL THINGS WEIRD, wonderful, exciting and practical—and more—were on display at the recent Mechanical Engineering Student Project Exhibition.

The annual exhibition gives undergraduate students the chance to show their peers, staff and the public their research projects and win prizes for their efforts.

This year's projects ranged from the design of a tricycle for the 1999 Australian International Pedal Prix (pictured), to a satellite launch vehicle, or reducing the noise from an aircraft's exhaust.

First prize went to David McIver for his project, "Modelling of Irrigation Systems for Optimal Component Selection".

Second prize was awarded to Marc Jericho and Josh Lock ("Adaptive Noise Control for Exhaust Stacks"), while third prize went to Karen Suter ("Design and Development of an After Market Automobile Suspension Component").

This year, the CRC for Materials Welding and Joining presented an award to Simon Belcher and Anthony



Schaeffer for the "Design and Construction of a Friction Stud Welding Machine".

Mark Symes and Stuart Zeuner received first prize in the MechTest Awards for the "Infrared Temperature Decay Monitoring of Spot Welding",

and Ben James took second prize for the "Stress Analysis and Design of a Prototype Stretcher Bridge".

The main prizes were again sponsored by Mobil Refining Pty Ltd and the South Australian Centre for Manufacturing.

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NEWS IN BRIEF

SURGEON APPOINTED TO ASIA PACIFIC ORGANISATION

Associate Professor Robert Bauze, Head of Orthopaedics at The Queen Elizabeth Hospital, has been elected president of the Western Pacific Orthopaedic Association (WPOA) at its 12th Triennial Congress in Fukuoka, Japan.

Professor Bauze has been instrumental in establishing exchanges with surgeons from Asia.

Over the next three years Professor Bauze expects to bring the WPOA Secretariat to Adelaide and will work to expand the membership and networks of the Association.

Adelaide will also host the 2001 Congress of the WPOA, with more than 1000 orthopaedic surgeons from Australia, Asia and around the world expected to attend.

DALCROZE EURYTHMICS SUMMER SCHOOL

Once again the popular Dalcroze International Summer School will be held in Adelaide from 18-22 January, 1999, at the University of Adelaide's Madley Dance Space.

The Dalcroze Eurythmics Summer School offers a unique music learning discipline which introduces students to the physical expression of music—linking body and mind.

The five-day Summer School consists of a series of classes in movement, improvisation, voice training, teaching techniques and related arts. Information from Ruth Saffir, 8463 3473.

LOWER LEVEL SITE PLANS AVAILABLE

The Final Sketch Plans for the University of Adelaide's new Science Building have now been developed.

The plans are available for viewing by all staff and can be found at Property Services on the 9th floor, 10 Pulteney Street.

NEW STAFF EMAIL AND CALENDAR SYSTEM

A new, universal electronic mail and calendaring service for University of Adelaide staff will be launched early in 1999.

The system, based on the Netscape suite of products, will provide improvements in integration with web services, email delivery, management and consistency for the users.

All staff will automatically be included in this new system. Further details will be available in 1999.

RADIO 5UV NEWS

University Radio 5UV received a number of awards in recognition of its achievements in programming and training at the recent conference of public broadcasters at the University of Adelaide.

The conference was the first of its kind held in the city of Adelaide and helped confirm 5UV as one of the nation's best public radio stations.

5UV will be holding its traditional Christmas drinks on the banks of the Torrens near the Uni footbridge on Friday, 18 December from 5pm. All staff are invited to attend.

Meanwhile, 5UV is selling off a substantial part of its classical vinyl record library at a sidewalk sale on Friday, 11 December from 9am. All records are only \$1 each and there are some mint copies among them.

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New subject focuses on identity

A NEW SUBJECT dealing with issues of identity for Indigenous Australians and other indigenous peoples will be offer76



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*Fees starting from	\$12	to	\$22.50	1/2 Day
	\$20	to	\$39	Full Day
	\$90	to	\$185	Full Week

ALUMNI NEWS

BE A CAMPUS TOUR GUIDE

Would you like to become a trained Campus Tour Guide for the Alumni Association?

Throughout 1998, the Alumni Association has conducted guided tours for visitors to the University each Tuesday morning at 10.30 am. The success of this venture has been due to the efforts of our team of tour guides, all alumni of the University who have been trained to share its story with visitors.

Can you spare a few hours to help the University next year? If you would like to join the Tour Guides' team, please contact Adrienne Eccles at the Alumni Office on 8303 3196. Training is provided, and the experienced guides will be pleased to help the 'newcomers' settle in!

THE INTERNET - WHAT A GREAT CHRISTMAS PRESENT!

Camtech invites Alumni Association members to enquire about their special Christmas deal—an internet Christmas for \$49.95.

Do you know someone with a computer? Give the gift you know they'll like: a connection to the Internet. Or you might get a connection for yourself. It's very affordable this year.

Using the Internet you can get onto the World Wide Web, where there's something for everyone. If you've got friends or family away from home, keep in touch. With email, you can send a message quicker and cheaper than by the post. (Using our service, you can even send online Christmas cards to anyone in the world.)

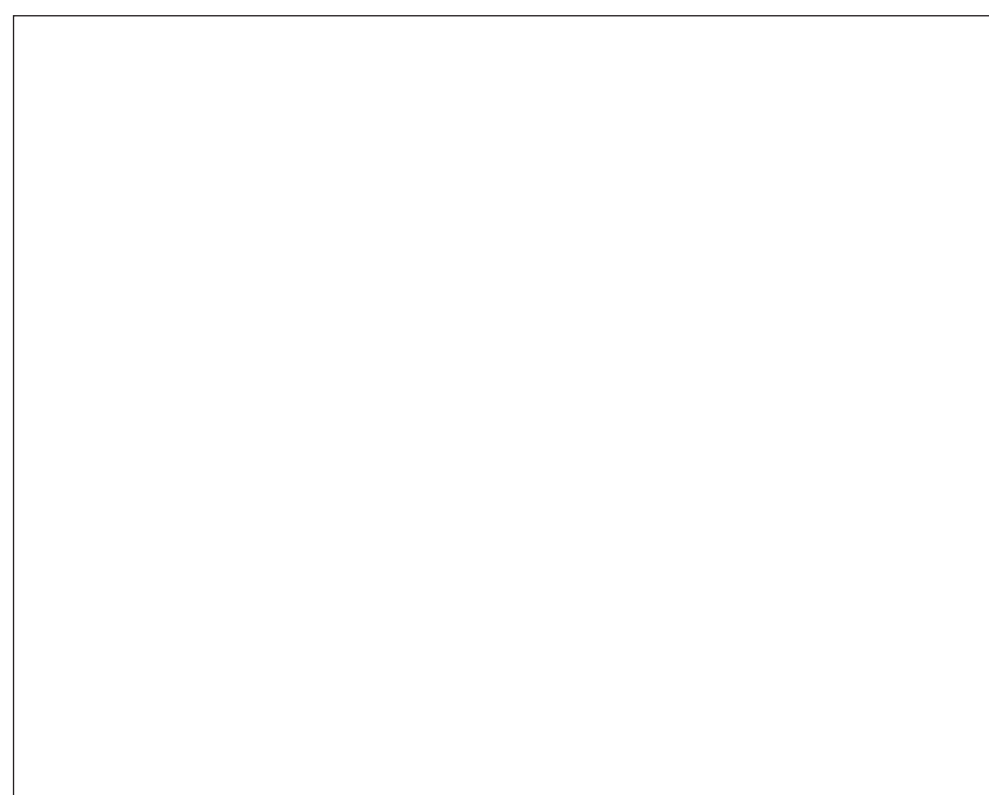
YOU GET:

- Internet access at 15 hours per calendar month until 31 March 1999* (*Anything over 15 hours is charged at \$2.50 per hour or part thereof)
- Free telephone support
- Free Internet Starter Kit
- Free Email account
- Free access to OzEmail online services
- Free Web space
- Free Web-based Email access
- Global Roaming capability (additional costs apply)

All you have to do is call Camtech's sales line on 8303 3300, or you can go straight to the web-site and register online at <<http://www.camtech.net.au>>.

A PORTRAIT OF JOHN BRAY - LAW, LETTERS, LIFE

Published jointly by the John Bray Law Chapter of the Alumni Association, the University of Adelaide Foundation and the Libraries Board of South Australia,



ASCOT PARK: Clean modern home, overseas students welcome. Close to transport. \$65 pw (pay own phone calls and food costs). Ph Ray 8276 1746.

GLEN OSMOND: 3 br, fully furn house, no pets, assistance with gardening, close to schools & transport. Avail Dec. \$210 pw + bond. Ph 8379 4869.

HACKNEY: Mature professional male, non smoker to share comfortable inner city house with same. \$85 pw. Ph 8362 2136.

HAYBOROUGH: Victor Harbour - avail during school holidays, very comfortable, views, opposite reserve, very close to beach, sleeps 6. Ph 8297 9371.

KANGAROO ISLAND: Holiday retreat avail Dec - Jan. Magnificent views. Minimum one week. Suit non smoking couples. Ph Peter 8362 3698.

NORTH ADELAIDE:

Heritage duplex in immaculate condition, avail short or long term, furn or unfurn, 2/3 br, park frontage, 5 mins to Uni. \$325 pw. Ph 8267 3472.

WANTED: Mature English lady seeks rental or house sitting arrangement from Jan - Mar 99. Care for pets and garden. Ph Jenny Nair

Bulletin Board

4.00pm Crop Protection
Seminar: Epidemiological studies of *Aschocyta* blight of chickpeas by Mr S Kahn (PhD Student). Charles Hawker Conference Centre, Waite Campus.

1.10pm Horticulture, Viticulture & Oenology
Seminar: Applications of genetic engineering and tissue culture to the improvement of temperate fruit crops by Dr Fredi Hammerschlag (Beltsville Agricultural Research Centre, Maryland, USA). Plant Research Centre Auditorium, Waite Campus.

2.00pm Research Branch - Information Sessions: ARC Large Grants and Fellowship schemes. Council Room. Enquiries: 8303 5137.

7.30pm Physics Lecture: Supercomputer Experiments with Quarks and Gluons by Associate Professor Greg Kilcup (Physics, Ohio State University). Flentje Lecture Theatre.

12noon HCCR/IMVS
Seminar: Genes and Human Disease: Investigating Ets2 in Down Syndrome as a paradigm by Prof Ismail Kola (Monash Medical Centre, Melbourne).

Applications for the following vacancy will be considered only from members of the staff of the University**

DEPARTMENTAL MANAGER

(Ref: 2549)

Department of Chemistry

Salary HEO7: \$42,760 - \$47,973†

The successful candidate will be responsible for monitoring the financial resources of the

Department and providing high level assistance such as preparing detailed submissions and reports on planning and resources for the Head of Department.

You should have:

- demonstrat

Librarian and be expected to provide specialist expertise in identifying and evaluating appropriate electronic information sources and providing information and training to staff and students of the faculty of Law. Duties also include creating web-sites and developing computer-assisted learning packages, working closely with teaching staff and undertaking teaching of legal skills according to faculty requirements.

The position is administratively attached to the Law Library, but duties are performed variously under the direction of the Law Librarian and the Dean of Law or in consultation between them.

You should have:

- substantial knowledge of electronic information resources in law.
- demonstrated understanding of the organisational structure of electronic information resources, and an ability to analyse and evaluate them
- demonstrated technical ability and sound knowledge of the latest developments in information technology
- university degree preferably in Law and experience in legal research and legal librarianship
- capacity to undertake teaching of legal skills

The position is available from 1 January 1999 for three years.

Further details, including the selection criteria and duty statement are available from Toni Luppino, tel: (08) 8303 5370.

***APPLICATIONS** should include names and addresses of two referees to the University Librarian, Barr Smith Library, University of Adelaide, South Australia 5005, no later than 15 January 1999.

COMPUTING OFFICERS

Department of Computer Science
(Ref: 3725) Salary HEO 5/6: \$31,803 - \$41,959†

(Ref: 3728) Salary HEO 7:
\$42,760 - \$47,973†

The Department of Computer Science is experiencing a phase of significant growth and is attracting greatly increased numbers of both Australian and overseas students. Accordingly, applications are invited for the above positions.

The Department is involved in several Cooperative Research Centres (CRCs) and key centres including the Centre for Sensor Signal and Information Processing, the Distributed High Performance Computing Project within the Research Data Network CRC, and the National Key Centre for Social Applications for Geographic Information Systems.

Successful applicants will be expected to provide appropriate technical support for both the teaching and research activities of the Department. For appointment at HEO 5/6 you should have:

- an Honours degree in Computer Science OR a Bachelors degree in Computer Science and additional experience or equivalent qualifications
- experience managing a Unix operating system, preferably Solaris
- experience managing Windows NT and/or Apple Macintosh computers
- demonstrated ability to work productively in a team
- excellent interpersonal, oral and written communication skills

For consideration for appointment to HEO 7 you should also have, in

addition to the above:

- extensive experience in the management of the Unix operating system
- the ability to lead and work within a team

The positions are available on a continuing basis. Details from Tracey Young, tel: 8303 5681, fax 8303 4366, or email vacancies@cs.adelaide.edu.au Information about the Department available from <http://www.cs.adelaide.edu.au>

***APPLICATIONS** to the Head, Department of Computer Science, University of Adelaide, Australia 5005 by 16 December 1998

RESEARCH ASSISTANT

(Ref: 3710)

Department of Obstetrics and Gynaecology

Full-time Salary HEO 5/6:
\$31,803 - \$41,959†

The Maternal Perinatal Clinical Trials Unit at the Women's and Children's Hospital coordinates randomised clinical trials in maternal and perinatal medicine. Duties will include preparation of study proposals and coordinating National Clinical Trials.

You should have:

- knowledge and experience in research methods
- excellent organisational and interpersonal and communication skills
- demonstrated experience in computer skills, including word proc

Research Grants & Fellowships

The following is a list of grant, fellowship and other research funding schemes currently available for application. A more detailed electronic version of this listing (Update: Research), together with guidelines and application forms for some of the major schemes, are available at: <<http://www.adelaide.edu.au/RB/>>. For hard copy application forms and guidelines for any of the funding schemes listed below, please contact the Research Branch, extension 35137; email research@registry.adelaide.edu.au or ccmil RESEARCH, Branch.

Sponsored Programs Information Network (SPIN): SPIN Australia - A database containing current and co