

ADELAIDEAN

Vol 8 No 4

NEWS FROM THE UNIVERSITY OF ADELAIDE

APRIL 5, 1999

INSIDE

2 Rodin Genoff on mapping clusters and business opportunities

3 The Vice-Chancellor on the Alumni torch, medals and awards

6 Tom Kurucsev: enthusiasm and brilliant chemistry

A FORMER South Australian Government Minister, the Hon. Greg Crafter, has been appointed Chairman of the University of Adelaide's Alumni Association.

The Chairman of the Alumni Association is an honorary role responsible for providing leadership for the Association and building on its Australian and overseas links.

Mr Crafter had a distinguished career as a Minister of the South Australian Labor Government from 1982 to 1993, including Minister of Education from 1985-1992.

A University of Adelaide Law



THE UNIVERSITY OF ADELAIDE

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125 years



If industry development policy is to be effective, particularly in areas such as the so-called "rust belt" regions of South Australia or New South Wales, government and industry must invest in researching the dynamics of growth. In today's global and knowledge-based



Business fosters Chinese links

SETTING UP your own business might seem a dream for most students—but it needn't be.

For Leonie McKeon, 39, the dream has become a reality, developing a Chinese Language and Cultural Advice business under the Business Initiatives from Graduates (BIG) program at the University's Thebarton Commerce and Research Precinct.

She said the business is now a successful consultancy service to organisations doing business with China and educational institutions with Chinese students and affiliations.

Ms McKeon is focusing on South Australia, but can already see potential to expand interstate and possibly overseas.

She said while establishing a presence in the market place can be hard work, she really enjoyed dealing with a variety of people and companies.

"The [BIG] program has given me the opportunity to do something I love," she said.

The idea for the business came while travelling in Taiwan and China for five years and then studying anthropology at the University of Adelaide.

After managing a business at 22, she wanted to go down the entrepreneurial road again, but this time with an intellectually-based business, she said.

Ms McKeon's consultancy business deals with government, education and private sector departments to provide cultural advice packages, specialised Mandarin language tuition and assistance to delegations to ensure prosperous relationships with Chinese businesses and people.

The BIG program, which she will complete by the end of this year, provides students with everything they need to run a business—a university stipend, computer, office and business mentoring.

"The program is also really good because it [the diploma] is practically oriented and it relates to the business you are setting up," Ms McKeon said.

She said the twelve-month diploma program was intense, as students have to combine setting up a business with study on campus.

Kankana McPherson, the Executive Assistant Industry Liaison at the Thebarton Commerce and Research Precinct, said BIG, as part of the Graduate Entrepreneurial Program, was unique as a program which takes a new graduate to start

a business on their own.

She said the BIG program aims to foster business aspirations by giving comprehensive support to students, including University of Adelaide scholarships. It is available to university or TAFE graduates, and targets final year, honours and postgraduate students.

The Graduate Entrepreneurial Program also offers the Graduate Business Support Scheme (GBSS) for current PhD or masters students who wish to pursue business activities that complement their degrees.

An information night for the BIG and GBSS programs will be held on Wednesday 5 May at the University's Thebarton Commerce and Research Precinct from 6.00-7.30pm.

Further details: Kankana McPherson on 8303 4468. Chinese Language and Cultural Advice: 8303 3522 or 0414 441 760.

—James Gruber

Anti-cancer drug in clinical trials

A REVOLUTIONARY anti-cancer drug be

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Crystal clear beer made easier

AN AWARD-WINNING researcher at the University of Adelaide is developing a more accurate test to determine the beer filtration performance of malting barley.

Filtration removes yeast and other fine particles of proteins and tannins and is carried out because most consumers demand a "clean, clear, crisp beer", said Dr Doug Stewart, a Grains Research & Development Corporation (GRDC) post-doctoral fellow in the South Australian Barley Improvement Program at the Waite Campus.

However, filtration can be a problematic step in the brewing process because the cell wall material of barley forms a glue-like substance, clogging filters and reducing the efficiency of the filtration process.

There are currently two ways to improve filter performance: "over malting" the barley, which decreases the head retention (or foam) on the beer; or adding enzymes to the beer, which is a common practice but an additional cost for brewers.

"Presently the standard laboratory tests used to predict beer filtration may not always accurately predict performance," Dr Stewart said.

"On paper, malting barley can look like it performs well, but it ends up clogging filters.

"What we'd like to do is have a test which better reflects the process in the brewery rather than relying on discrete measurements of barley malt components."

Dr Stewart said when filtration is completed, beer is pasteurised and heat-treated to kill any bacteria or yeast present, thereby increasing shelf-life.

An alternative to this was "microfiltration"—using a membrane filter with microscopic holes in it which allow beer to pass through them but no bacteria or yeast. This is used by Carlton & United Breweries for its Carlton Cold beer.

Dr Stewart said a scaled-down version of this method is believed to be an accurate measure of how barley will perform during filtration and would enable researchers to conduct small-scale tests on new barley varieties which will filter better in commercial breweries.

"Most Australian malting barley is exported, so if the team could breed a barley with better filtration qualities it would improve the reputation of the Australian crop and increase demand for Australian barley," he said.

"If we can brand our barley with a Premium Quality tag we're going to start competing very well with Canada and



GRDC Post-Doctoral Fellow Dr Doug Stewart who will fly to London in May to conduct research as this year's winner of the Institute of Brewing Centenary Scholarship Award

other international exporters."

Dr Stewart's project requires the facilities of a pilot brewery. In May, he will head to London for eight weeks to carry out his research at Brewing Research International.

He said the micro filtration process was quite complicated and he was aiming for a small, cheap, robust test which could easily be incorporated into various barley breeding programs around Australia within 12 months."

—Anne Cope

Olympic Torch goes on show for public lecture

THE SECRETS behind the Sydney 2000 Olympic Torch will be revealed at a free public lecture to be held at the University of Adelaide on Friday, 9 April.

The torch will play a crucial role in the 100 days leading up to the Sydney Olympic Games.

Now for the first time, one of the key designers of the technology used in the Olympic Torch will give a fascinating public lecture about its development.

Dr Gus Nathan, joint leader of the torch design team and a senior lecturer in Mechanical Engineering at the University of Adelaide, will illustrate with slides and video how a team of engineers from Adelaide created the torch's flame technology.

He will discuss how the all-important Olympic Flame burning from the torch was the result of months of hard work by researchers, and reveal the challenges faced in creating a safe, environmentally friendly torch flame that can withstand torrential rain and gale-force winds.

Prototypes of the torch used in the actual testing process will also be on show at the public lecture.

Dr Nathan's lecture is in celebration of the KL Sutherland Medal awarded to him by the Australian Academy of Technological Sciences & Engineering.

The lecture—in Elder Hall at 6.30pm on Friday, 9 April—is free and open to all.

Great support for symbiosis workshop

SYMBIOSIS (the close integration and interdependence of dissimilar organisms) is ubiquitous, ecologically important and plays key roles in environmental processes. Mycorrhiza (or 'fungus root') is one of the commonest symbioses, involving probably 90% of all land plants. The fungi involved are beneficial and help the plants absorb scarce nutrients from soil, as well as protecting them against drought stress and some diseases.

A national workshop organised by the Centre for Plant Root Symbioses at the University of Adelaide was a recent focus for work on these important interactions. The workshop, funded by a grant from the ARC-DETYA Special Research Initiatives Program (SRIP) and participating universities in Australia, was truly international, attracting visitors from USA, Canada, France and Italy and researchers from six Australian universities. Altogether 10 nations were represented by the 40 participants.

The venue at Höchstens Resort, Hahndorf promoted a relaxed atmosphere and really good opportunities for interaction between scientists at all stages of their careers. Sessions illustrated the wide range of biological topics where mycorrhizas have an impact and



Participants in the symbiosis workshop at Hahndorf. Photo: Emily Shepherd, ITS Waite.

covered structure and development of the symbiotic root systems, signalling and gene expression in the plant and fungal partners, nutrient transfer, ecology and interactions with other organisms.

The organisers were delighted with the standard of presentations, and discussion was lively. Positive feedback from the younger participants highlighted the value of small meetings in providing better opportunities to meet senior

scientists than large international congresses. There is overwhelming support for making the workshop an annual national event.

Thanks are due to Dr S Ayling and Ms J Ditchfield (Department of Soil and Water), who did all the organising and to Dr RJ Reid (Department of Plant Science) and family who cooked a really memorable barbecue.

—Professor Sally Smith
Dept. of Soil and Water

Tom Kurucsev—enthusiasm and brilliant chemistry

DR TOMAS KURUCSEV passed away peacefully on Sunday, 21 February 1999 at the Stirling Hospital after a short battle with lung cancer.

Tom was born on 9 December 1927 in Szeged, a University town near the southern border of Hungary, of a Serbian father and Hungarian mother—a medically qualified dentist who practised into her eighties.

After matriculating with Distinction in 1946, he completed first year at the University of Szeged then nearly two years at Pazmany Peter University in Budapest until he was forced by the political situation to interrupt his studies and flee across the frozen country to post-war Vienna. He worked for a time as a clerk-typist before moving on to Italy, a staging point for refugees, where he was accepted to migrate to Australia.

Aboard ship, multilingual Tom was appointed Principal of the Ship's School with the job of teaching English to the migrants. He arrived at

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Missing Alumni

THE ALUMNI ASSOCIATION is once again looking for the addresses of its missing 1949 Golden Jubilee Graduates.

If you know the whereabouts of any of the following could you please contact Judy Benson on 08 8303 4276 or email <judith.benson@adelaide.edu.au>. Thank you.

BA

Appleton, Edgar Arthur
Bettison, Margaret Selina
Blair, Joan Scott
Cosh, Joyce Rosalind
Dalziel, Lawrence Henry
Downes, Howard Albert
Felgenhaur, Robert Frederick
Fitch, Rosemary Lamburn
Fowler, Dorothy Colyer
Georg, Victor Gerhard
Gibbs, Betty Valmai
Griffin, Danielle
Kelly, Gwenda Mary Christine
Kelman, Hilda
Lang, Samuel Brambley
Lewis, Mary
Lillecrapp, Douglas Arthur Julian
McLoughlin, Vincentia Patrick
Melbourne, William Henry John
Morris, John Lennox
Naughtin, Patrick Chanel
Osmond, Phyllis Dawn
Page, Ronne Earle
Parsons, Barbara
Preece, Julia Anne
Price, Winifred Vera
Shinkfield, Marian Ruth
Speirs, William McMillan
Traeger, Keith Terence
Wilkinson, Philomena Mary
Wilksch, Betty Ruth
Wissell, Stewart Gordon
Young, Caroline Agnes

BA (Hons)

Duncan, Ross
O'Donoghue, Kenneth Kilian

BDS

Cran, James Alexander
Wesslink, Philip Murdoch

BE

Canning, Albert Edward
Curry, Allan Ralph
Freestun, William David
Hughes, Leslie Donald
Kennett, Edmund Richard
Koop, Eric John
McMilan, Raymond
Muller, Peter Neil
Nairn, John Wallace
Nairn, Peter Ross
O'Brien, Brian David
O'Brien, Ross Pagden
Opie, Brian Preston
Ross, Sydney George Frederick
Schultz, Raymond Alfred
Shannon, Richard John
Tilbrook, Norman Keith
Trimmer, Ray Brian

Nostalgic visit by Bragg family member

THE UNIVERSITY last month received a brief but nostalgic visit by the granddaughter of Sir William Bragg, Elder Professor of Mathematics and Physics from 1886 to 1909.

Mrs Patience Thomson is the youngest daughter of Sir Lawrence Bragg, also an Adelaide graduate. She is married to Mr David Thomson, who is a semi-retired banker in England—he also has a father and grandfather who won Nobel Prizes in Physics, as did the Braggs after leaving Adelaide.

After meeting with the Vice-Chancellor, the couple toured the Mitchell Building and saw the preparations for the Heritage Exhibition which is now open, as well as places associated with the early teaching of physics and pioneering work on X-rays in the University.

They then visited the Physics Museum and had morning tea with the Head of Physics & Mathematical Physics, Dr Rod Crewther and former Deputy Chancellor, Dr Harry Medlin.

The visit was arranged by Adelaide graduate Dr John Jenkin, who wrote a book on the Bragg Family in Adelaide for the centenary of the appointment of Professor Bragg as our youngest Professor at this University.

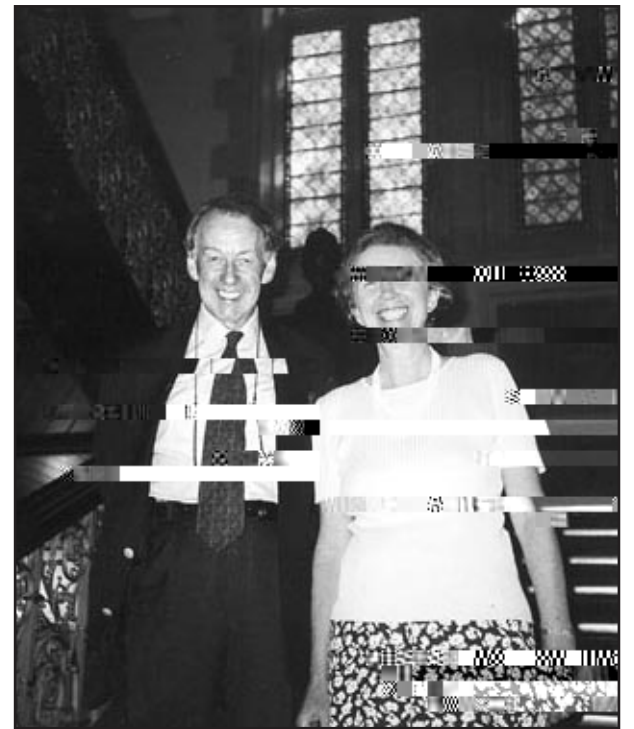
The visitors were presented with a copy of the video made to commemorate the 1986 Centenary by Dr John Patterson of the Physics Department.

During her visit Mrs Thomson, a teacher, recalled how her father referred to good lecturing as an art form which must be developed.

She said that at the Royal Institution in London where many public lectures are held, Lawrence Bragg showed the lecturer into a waiting room which contained a limpet shell and a crystal.

He said the speaker should stick to the subject like a limpet and be as clear as crystal—good advice for today!

—John Patterson
Physics & Mathematical Physics



UK visitors Mr David and Mrs Patience Thomson on the main staircase in the Mitchell Building. Photo by Dr John Patterson.

Hilary and Jackie: Cornell fundraiser

THE CORNELL CHAPTER of the Alumni Association invites all readers of the *Adelaidean* to a special fund raising screening of *Hilary and Jackie* at Palace Eastend Cinemas on Thursday 8 April at 7:15.

Hilary and Jackie is the story of the cellist Jacqueline Du Pré, her sister Hilary, and the conductor Daniel Barenboim.

The film stars Emily Watson and Rachel Griffiths, both of whom were nominated for Academy Awards.

Elder Conservatorium cellist Hilary Kleinig will play in the foyer of the cinema from 6:30pm on the evening of the screening.

Tickets, in advance, from the Alumni Office, 44 Kintore Avenue; also on sale in the foyer before the screening. All tickets \$10; no concessions.

Proceeds to the Cornell Chapter to support their work assisting the Faculty of Humanities and Social Sciences and the Elder Conservatorium, School of Performing Arts.

Please phone 8303 4275 for bookings.

Elder Hall Concert Series 1999

FOR ALUMNI MEMBERS who subscribe to the Alumni Services Package please note that the 1999 Elder Concert Hall Series commences on Saturday 1 June. There will be 5 concerts in this year's series.

The 1999 Program will sent to Alumni Services Members as soon as it is available—this will include details about how to exchange the vouchers for tickets. Services members receive vouchers allowing them to gain admission to each of the five concerts plus purchase a concession ticket for each of the concerts.

Negotiations are in progress for Alumni Ordinary Members to be able to purchase concession tickets for this concert series and details will be published in the *Adelaidean*.

Tom Kurucsev—brilliant chemistry

From Page 6

Following the decision to move S-I-T to Klang, Tom was appointed in August 1995 as the University's Academic Director for the Twinning Program, a post he filled with distinction until late 1998. For nearly three years, he visited Malaysia almost monthly, averaging 10 days each time, to introduce and oversee the first two years of the many Adelaide disciplines there.

Setting up the Twinning Program at Klang was a huge task. Tom was central to the success of the Program—a success which was evidenced when a massive influx of nearly 200 well-prepared students transferred from S-I-T to Adelaide in 1998 and achieved excellent results in their third year studies, and a similar number arrived in 1999. As with his work with SOLA, the significance of Tom's work for the University's Malaysian Twinning

Project may not be widely understood as his nature was to get on and get the job done without drawing attention to himself.

The President of S-I-T, Mr Lim How Soon, visited Tom just two days before he died. The affection and respect which "Dr. Tom" (as he was known at S-I-T) inspired in Malaysia was summed up in the notice inserted by S-I-T, which read: "A friend above all and a gentleman too, dearly missed and fondly remembered by friends and students at Sepang Institute of Technology, Klang, Malaysia".

A week earlier, the Vice-Chancellor had named the University of Adelaide-S-I-T Scholarship awarded to the top student as the "Tom Kurucsev Scholarship" in his honour.

Tom's great loves were his family, his science and music. He appreciated art, literature, the theatre, fine music (he was an accomplished pianist) and

fine wine—particularly a good red. If there is one word that springs to mind about Tom it is "enthusiasm".

He will be remembered for his mercurial and dynamic personality, his exuberance, his boundless energy, his intelligent interest in everything, his lively and enquiring mind, his prodigious work ethic, his sense of fun, his charming infectious smile, his integrity, his courtesy, his meticulous planning and organisation and attention to detail, his dignity, his kindness, his generosity, his optimism and his great good humour—all of which were with him to the end. Tom loved and embraced people from all walks of life, and was admired, loved and respected in return.

Tom is survived by his wife Jean, and children Sonja (Perth) and Nicholas and wife Katherine (Ballina, NSW).

—Friends and colleagues
of Tom Kurucsev

Curious tale returns to Bakehouse

THERE'S a strong University of Adelaide link in a play by new company Rawcus Productions opening this month at The Bakehouse Theatre in Angas Stre

ACCOMMODATION

ACADEMIC'S HOUSE:

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BEACHFRONT

TOWNHOUSE: Magnificent sea views, near city. Suit professional couple or visiting academic. Fully furn & self contained, 2 brs, 2 bath rms, study, nursery or 3rd br. Avail immediately. Ph Anne 8400 8178 or 8377 0936.

CLAPHAM: Fully furn. and equipped house avail for rent from April 22 to July 26. 5 large brs, \$150p.w. plus phone, ETSA, gas. Ph Malcolm 8357 5947.

ERINDALE. Short/long term. Female, non-smoker, to share fur. house with one other; own phone, r/c air cond, lock-up garage, quiet area. \$80p.w.+ some expenses. Ph 8332 9973.

HENLEY BEACH: Fully furn. and equipped house avail for rent from July 20 to the end of December. 2 br + study, open plan, low maintenance, private section, near beach, shops and pub transport. Suited to visiting academics. Car negotiable. \$250p.w.. Ph 8303 4767.

KENSINGTON PARK: Spacious studio - apartment for single person. Garden setting, close to transport. \$135p.w. Ph 8431 2147.

LONDON FLATS: 48 Barnsdale Road. London W9

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3LL. Two large, one br flats to let, fully furn., gas central heating. Near shops and transport. £185p.w. inclu. all utilities except phone. Minimum let is 4 weeks. Ph./FAX 0015 181 964 2498.

QUEEN ANN VILLA: For rent. 2 brs, polished wooden floors, A/C, dishwasher, beautiful garden with shed. \$260 per week, incl lawn service and water allowance. Ph Tania Wundenberg 8338 0200.

SEMAPHORE: Fully furn. house avail for rent for 6-12 months - owner abroad. 3 brs, near beach, 20 mins to city. Ph 8341 7024.

SWITZERLAND: Furnished, flat 4 km from Interlaken, on Lake with view of Alps. 2 brs, large lounge, can sleep up to 6. Avail for 1 week or more. Ph Liliane 8362 4243.

WANTED: Visiting academic from Germany seeks fully furn. house. Suitable for family of four, prefer Eastern suburbs for 1 year from Aug 1999 to July Y2K. Ph/Fax: Ewe 8379 9616

FOR SALE

**APPLE COLOUR
STYLEWRITER:** 4500, unused. \$200. Contact David on <ddrury@geology.

adelaide.edu.au>

FORD LASER: Ghia Hatch, 1981, VTU 508, Manual, White, 1.5L, \$2500. Must sell as leaving Australia. Excellent Cond, new air/c., great stereo. Ph 8224 0686 or 0413 902 456

HOLDEN BARINA: 1994 1.4i, 5 speed manual, white, radio/cassette, air cond, 17,345 km. VOD 296. \$11,500 ono. Ph 8332 4211 or 8303 5167.

MAGNA: Sedan 1986 SE, 5 Speed manual, airconditioned, New Motor, Accessories included, Good Condition UYG 081, Price: \$3,600 ono. Ph Chris 0412 389 680 or Mandi 8303 5778.

PAPER GUILLOTINE: "IDEAL 3600", blade 35.5cm,

capacity 40mm. Good cond., includes spare blade. Replacement cost approx. \$2000, will accept \$350 ono. Ph: 8276 2763 or 0407 716 944.

VALIANT: S 1962 appreciating classic, very good cond., daily driven, UBD 384, \$6,000. Ph 8303 3138/ 8339 6976.

MISCELLANEOUS

CHILD CARE: Reliable, references available, own transport. Ph Rebecca 8262 5134.

WORD PROCESSING: Fast and accurate, 15 years experience working as a temp. Good rates. Free pick-up and delivery. Ph Trisha for more information 8232 4841.

National Science week is Australia's only nation-wide celebration of science that involves people of all ages, backgrounds and interests.

The aim of the week is to increase awareness of the importance of science and technology to our economic and social well-being through a focused and accessible week of science based activities.

This year the Faculty of Science is hosting a series of exciting and informative night presentations which are open to people of all ages, backgrounds and interests.

Monday 3 May

Frogs, Mosquitoes, Cats and Koalas - Environmental and Social Issues for South Australia: Presenters: Associate Professor Mike Tyler, Dr David Paton and Professor Hugh Possingham, University of Adelaide, and Dr Mike Kokkin, University of SA. Rennie Lecture Theatre. 7:30pm.

Tuesday 4 May

Cosmic Explosions and

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

RESEARCH OFFICER

(Ref: 3313)

Department of Obstetrics and Gynaecology

Salary HEO6 \$38,751 - \$41,959

To provide research assistance for studies on androgen re

Professional & Continuing Education Courses

Courses below are offered through Professional and Continuing Education. Please call 8303 4777 or email <conted@oce.adelaide.edu.au> for further information and bookings.

COMPUTER SKILLS

Introduction to PC and

Windows: Thurs 8 April (9.00am - 4.00pm). Cost: \$165.

Power Point: Fri 9 April (9.00am - 4.00pm). C

Research Grants and 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 contact the Research Branch, ext 35137; email <research@registry.adelaide.edu.au> or ccmail RESEARCH, Branch.

Sponsored Programs Information Network (SPIN): SPIN Australia - A database containing current and comprehensive information on over 2,600 government and private funding opportunities. The SPIN web site is accessible via the Research Branch web site.

Industry, Science & Resources; Dept of (DISR) - Technology Diffusion Program (TDP): This Program has three integrated components: Technology Alliances; Technology Transfer; and Online Business. Details from the AusIndustry web site: <<http://www.ausindustry.gov.au/tdp>>. U19/98

Australian Research Council - International Researcher Exchange (IREX) Scheme for 2000: Internal closing date: 7 April 1999. U4/99

Wellcome Trust - Overseas Senior Research Fellowships in Biomedical Science to be held in Australia, New Zealand, South Africa or India: Internal closing date (P