

Lower level project to revitalise campus

The designers of Canberra's Parliament House, Mitchell/Giurgola and Thorp Architects, have teamed with prominent South Australian company Hardy Architects to win the University of Adelaide's national design competition for its North Terrace campus.

University Council approved expenditure of up to \$40 million on the five-year project at its July meeting. This project will be the first major new building construction on the campus since the late 1970s, and is now entering the design development phase.

Demolition of the Fisher Building facing Frome Road and new buildings for Science and Engineering & Mathematical Sciences are at the core of the redevelopment.

A four-storey Bioscience and Biotechnology Complex behind Union Hall will house teaching and research facilities for Botany, Zoology, Genetics and Biochemistry. The Benham Building will be refurbished as a common undergraduate teaching suite.

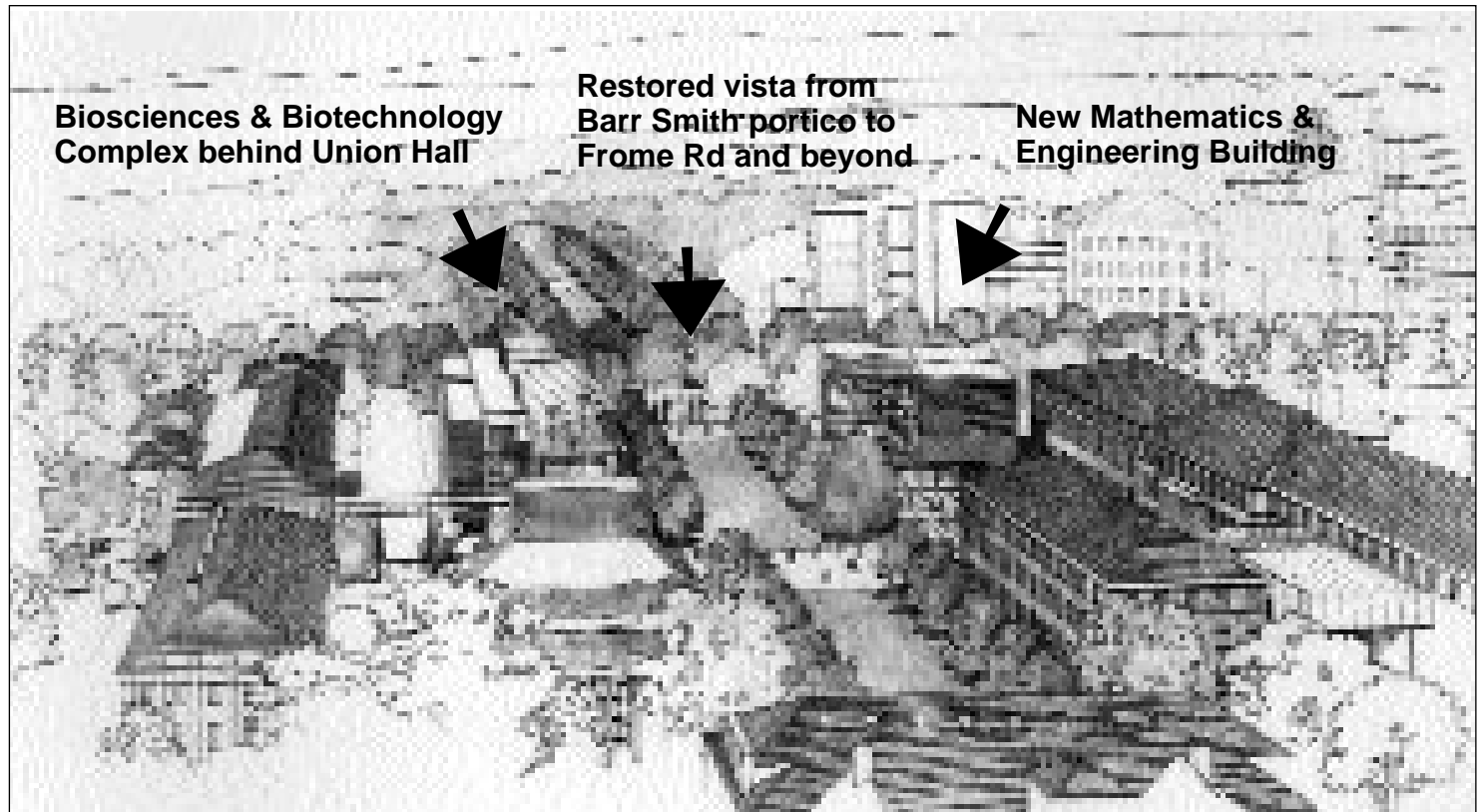
A new Engineering & Mathematical Sciences Building behind the Mathematics Building and possibly a 300-seat lecture theatre linking the Mathematics and Engineering buildings will support expanding programs in Information Technology & Telecommunications and increased numbers from 1998 when Sepang Institute of Technology students come to Adelaide.

The demolition of the Fisher Building restores the vista from the old Barr Smith Library entrance through to the Botanic Gardens. This east-west axis, visually and symbolically connecting the library building with the gardens, is one of three key lines of relationship which have shaped the architects' conception for the site.

The second is a north-south emphasis flowing from the current Engineering Building's north entrance across the lawns to the new Bioscience and Biotechnology Complex and on to the River Torrens. Mooted within the plan is construction of a glazed Galleria between the Benham and Mawson buildings, and the Union Hall and the new Bioscience building, to link them and form a "gateway" to the Torrens and the park lands.

The third key line of relationship links the Medical School across to the new Mathematics and Engineering Building and then looks over the lawns to the portico of the Barr Smith Library. The space between the present Mathematics Building and the new Mathematics and Engineering Building (which will be built on a skewed angle to other buildings in the area) is envisaged as a north-facing, sun-filled Campus Square, with a student cafeteria in the new building opening directly onto this square.

Continued Page 5



Architect's impression of the new buildings on the lower level, including the restored vista from the Barr Smith portico.

Governance bill raises concern in Council

A Bill was introduced into State Parliament earlier in July which would markedly change the structure of the governing councils of all three South Australian universities.

The Bill, introduced by the Minister for Employment, Training and Further Education, Dr Bob Such, is the Government's legislative response to the McGregor report into university governance.

The Council expressed serious concerns with the Bill at its meeting on 12 July, and reconvened the following day to formulate a detailed response.

The Bill would reduce the size of the Council of the University of Adelaide from 35 members to 18 to 20.

There would be 11 to 13 external members including:

- the Chancellor;
- seven people appointed by the Governor on the recommendations of a selection committee, comprising the Chancellor and six people appointed by the Chancellor in accordance with guidelines determined by Council;
- three people elected by the Senate; and
- up to two people co-opted and appointed by the Council.

The Bill stipulates that there be four staff members including two academic staff, elected by the academic staff, and two "ancillary" staff, elected by the "ancillary" staff.

There would be two student members including one undergraduate and one postgraduate, both to be "appointed or elected in a manner determined by Council after consultation with the presiding member of the Students' Association".

The Bill defines the role of the Council as the "governing body" with principal responsibilities for overseeing the management and development of the University, devising or approving strategic plans and major policies for the University, and monitoring and reviewing the operation of the University.

The Council has written to Dr Such expressing its concerns with the Bill.

To start, the Council believes no case has been put for the changes proposed.

Specifically, the Council is concerned to preserve the autonomy of the University and the democratic electoral process of its students, staff and alumni.

If there is to be a change the Council favors an additional undergraduate student representative, the election of eight external members by the Senate, six staff members (four academic, two general), and the co-option of three members.

The Council also raised concern about a provision in the Bill to put an eight-year cap on service for Council members.

Acting UP

Sub cruce lumen

When I moved into the Vice-Chancellor's Office a couple of weeks ago Rod Page upgraded the lighting for me. "This will give you something to write about", he said. If you've passed by the front of the Mitchell Building you will have seen my new bright light that Carol Greenwood observes can be seen from South Terrace. I need lots of light to operate effectively and certainly feel a lot more comfortable in the office now this wonder has arrived. The Registrar will, of course, insist on wearing his shades when he drops in, but I have pointed out it only makes him look even more like one of the Blues Brothers.

Another change I've made to the Vice-Chancellor's office is to install one of the Frank Hurley photographs from the Mawson exhibition, the so called "frozen wave". This is a wonderful example of black and white photography which makes full use of the brilliant Antarctic light. It is for me a sharp reminder of the heroic journeys that Mawson and his colleagues undertook in exploring the Antarctic. It is also a pleasure to remember that such brave people were a part of the University and that their descendants are still well known in our city and connected with the University. It has been a particular delight to have Mawson's book *The Home of the Blizzard* reprinted and to know it is selling well. It's a wonderful read and I do urge you to buy one of the new editions, complete with the Hurley photographs, and enjoy it for yourselves.

Shedding light on things is of course what we do in Universities. We consider issues from different points of view and then try to bring light to bear upon them. Nowhere is light needed so much at present as on the future of the Higher Education sector in Australia. As I said in my last column, I believe the Minister should seize the opportunity to spell out her vision for Higher Education. However it is equally important for us to shed light on the difficult and complex issues facing universities as we go into the next century. I believe we are already doing this; in particular, members of the Economics Department have been active — Jonathon Pincus' paper on Super HECS and Sue Richardson's address delivered at the Conference on the Funding of Higher Education recently held in Canberra are good examples. There are many more things we can do to illuminate our way forward. We must continue to develop a sophisticated analysis which we can use to secure our future as a major research university seeking to globalise its activities. Let there be light!

MARY O'KANE

Who's for the chop?



In a recent letter to *The Adelaide Review* ('Amanda's axe', July 1996, p.14), Lynn Martin supported the suggestion of Austin Gough, in an earlier edition of that paper, that university administration, rather than teaching departments, should bear the brunt of any cuts to higher education in the August budget. Lynn cites the Advisory Centre for University Education (ACUE), and the Equal Opportunity and Occupational Health and Safety Offices as examples of 'administrative offices' which have grown in size as academic departments, including Lynn's own Department of History, have shrunk.

I do not intend to argue the pros and cons of Lynn's predictions about how the University will handle funding cuts. Indeed, I agree with another correspondent in the same edition of the paper, Richard De Angelis (Flinders University) who deplors the tendency of academics to fight each other in public rather than the

common foe. However, Lynn's letter does include several misconceptions about the ACUE which cannot pass without comment.

There are in fact 26 employed in the ACUE. However, many of these people are part-time; the effective full-time number of staff (EFTS) is 20. Of these EFTS, 11.2 are academic staff — this is the appropriate figure for comparison with the 13 historians in Lynn's department. Moreover, only 55% of ACUE staff are employed under recurrent funding from the Deputy Vice-Chancellor's Area Fund: the remainder, 14 people, are funded from consultancy income, grants and income from fee-paying students. It seems unfair that the ACUE should be held up for criticism because we exercise the initiative required to bring into the University outside income.

Finally, the ACUE is an academic, not an administrative, centre of the University (University of Adelaide Calendar, Vol 1, p.212). Its academic staff are expected to do research and publish and to com-

pete for promotions and grants. Most important of all, they contribute to the teaching effort of the University, ideally in co-operation with their colleagues from the more traditional departments.

Contrary to Lynn's prediction, I doubt that the ACUE will 'remain unscathed' in the fallout from the August budget, but I do hope the decision as to how funds are cut or redistributed will be based on the facts.

Dr Gerry Mullins
ACUE

Geographical facts



I have recently read the *Adelaidean*, published on 17/06/96 and I would like to highlight a correction to the geographical data of the Teochew dialect group. This dialect group is centred in the upper Northeast of Quangdong Province in China, not Southwest as published.

Alec Hir
BE (Civil) Hons, 1993

GUEST COMMENTARY

The history and purpose of universities

I have been invited by the [former] Vice-Chancellor [Professor Gavin Brown] to express my views on the purpose and operation of universities. His views and mine do not coincide.

(A word first about grammar. There is no genderless or common pronoun in our language. Accordingly, I have adopted the drafting device whereby male includes female; female, masculine; singular, plural; and plural, singular, unless the contrary appears.)

My aim is not to accuse anyone or propound a thesis. I wish simply to declare the ineluctable truth that the Adelaide University is losing its soul as a university, and to explain how and why.

The reasons why such a state of affairs is to be found in our University has, no doubt, much to do with finance; but if funds are devoted to the wrong purpose, they have lost merit.

The soul lost, I emphasise, is that of a university; some other kind of organisation, not unlike an institute of technology, or a school of advanced education, is taking its place. What concerns me is that what is being lost is of unique value, just as is the soul of a human being.

Our University, when established, stood proudly in a direct line of descent from the first universities of centuries ago. The motto on the scroll below its coats of arms is "Sub Cruce Lumen". What is the 'light' of a true university? Is it not that which imparts its true character as a seat of learning? Universities had their roots in the twelfth century as collegiate societies of learning, organised for mutual advantage and legal protection. A university comprised colleges — groups of students gathered together to share academic residential facilities, and was accordingly spoken of as "universitas magistrorum et scholarium". In particular, in Europe, universities grew as students migrated to principal cities where such societies of learning were being established.

But it was how that learning was spread that gave universities their character. They were essentially centres where teachers gathered who, by their learning, wisdom, and renown, attracted students (*cives academiæ*) to sit at their feet and learn — rather after the eastern fashion of the disciples or chelas of a great master or guru. Often students travelled great distances to reach their masters. Language presented no obstacle because Latin was the common language for lectures and disputations.

The important features of such a relationship were that the master had a compelling avocation to teach, and his students a burning desire to learn from that master.

by

The Hon. W. A. N. Wells
formerly a Justice of the
Supreme Court of South Australia

Teaching after that fashion became the distinguishing mark of a university. Students sought, not credentials, but knowledge and the freedom of thought and disputation necessary to achieve it. Available to them was *universitas litterarum* — the entire range of 'literature'

which comprehended the 'humanities' (or 'lay' studies) and 'divine' studies. The humanities were concerned with the entire range of human culture and scholarship then known, including grammar, rhetoric, metaphysics, the ancient Latin and Greek classics. Gradually, in some large cities, universities focussed on particular groups of studies: for example, Paris grew to be a principal centre for theology and philosophy; indeed, that university became a model for universities founded later. Bologna in Italy became a principal centre for legal studies.

From the Renaissance to the nineteenth century, universities were founded in major countries of the world, and, between them, offered studies in all principal spheres of knowledge as they increased in number and extent.

The history of such universities, up to the close of the nineteenth century, discloses no evidence that they departed signally from their fundamental purpose. Later, some students began to regard the knowledge acquired through university studies as a form of preparation for their careers; nevertheless, the soul of true universities continued to rest in freedom of thought, dedicated teachers, eager students, and the inculcation of knowledge, without its being forced into the mould of credentials or the like.

Today, the destruction of the soul begins with the selection of students for entry into the University. Selection is a condition precedent for entry which, in turn, depends largely on marks gained in the Matriculation examination. The computation of those marks is not, however, a matter of simple arithmetic because, as the Vice-Chancellor has explained, the marks are first 'scaled' according as the subjects taken are deemed 'hard' ('difficult to learn') or not.

To draw such a distinction is arbitrary and absurd. Let it be assumed that maths and the physical sciences are deemed 'hard', and that the arts and humanities are not. It would seem to follow that a student who has set his heart on, say, literature, music, modern history, or ancient history and philosophy, and has obtained top marks in appropriate propaedeutics, then faces a draconian penalty — or handicap — because he wishes to follow such a study. For it is with his scaled down mark that he must compete for entry with those whose marks were obtained in examinations deemed to be 'hard'.

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Behind-the-scenes look at Uni life

Teaching and research from the classics to cyberspace will be open to the public at the University of Adelaide's first Open Day for 18 years on Sunday, 4 August.

The treasures of three museums normally seen only by students and staff, five hours of free music and dance in Elder Hall, cultural, historical and artistic tours, and talks on topics as diverse as genetics and developmental economics are just some of the Open Day events.

Potential students and parents will also be able to see the latest in learning technologies from every University faculty, including the virtual classroom and the use of multimedia in teaching.

Acting Vice-Chancellor Mary O'Kane says Open Day is a chance for people to find out how the University contributes to the social, economic, scientific and cultural life of South Australia.

"Open Day is also a great opportunity to look around the North Terrace campus, to ask questions about courses and careers, and to find out more about what student life at the University of Adelaide is all about," Professor O'Kane said.

Highlights of the day include:

- The Science Trail — follow the trail through the latest in research and teaching including hands-on physics, a science field camp, a tropical aquarium tour (meet tropical frog Big Bertha), understanding genes, biotechnology, measuring human performance and the fossils and minerals of the Tate Geological Museum.

- Languages, culture and history — visit the Classics Museum, explore literary sites on the World Wide Web, find out how computers help students learn languages, visit Wilto Yerlo, take guided tours of the historic North Terrace campus.

- Agricultural science research and displays — find out about native flower exports, taste a triticale pancake, and refine your senses to pick up subtle tastes and aromas in wine.

- Health sciences — find out how many vertebrae there are in the neck of a giraffe...and how comparative anatomy will help tell us how the human body will change in the future. A volunteer from the South Australian St. John Ambulance Service will also be demonstrating cardio-pulmonary resuscitation (CPR) between 12 and 1pm on Open Day.

- Museums — visit the Tate Museum (geology), the Classics Museum (classical archaeology) and

the Abbie Museum (comparative anatomy).

- Courses and Careers Expo — all the information you need about entry to the University of Adelaide's courses, and the careers to which they lead, under the one roof in Bonython Hall (also available on Information day, Monday 5 August, and in a special Information Day program at Roseworthy Campus on Thursday 8 August).

- Music, dance, a behind-the-scenes look at a rehearsal of Shakespeare's *The Comedy of Errors*, and a wide range of food and refreshments.

The university bookstore, Unibooks, and campus computer shop, Camtech, will also be open.

Open Day will run from 11am to 4pm on Sunday, 4 August. Detailed programs and maps will be available from four information tents at the North Terrace, Frome Road, Victoria Drive and Kintore Avenue entrances on the day. All tours will depart from the North Terrace information tent.

Public parking will not be available on the campus on Open Day. Parking will be available near the Medical School (enter from Frome Road), and at usual city parking stations.

—Patricia Cree

VC in open forum

The Acting Vice-Chancellor, Professor Mary O'Kane and the convener of the Academic Board, Dr Sue Richardson, have decided to initiate a new series of open lunchtime forums within the University.

Held under the auspices of the Academic Board and the rubric of the Riding Change seminars, the series is entitled "Conversations with the Acting Vice-Chancellor". Each session will have a defined topic, to which Professor O'Kane will speak briefly before opening the issue up for discussion.

"Many people in the University have valuable views on issues affecting us, and I hope they will take this chance to share them," Professor O'Kane said. "It's essential to have a good two-way exchange of information."

The first "Conversation" on offer will explore the theme of

"External Relations".

"There are many ways in which the University, at all levels, develops and maintains its links with the community, its graduates, industry, government and so on," said Professor O'Kane.

"These external relations will become more and more important as the University seeks to lessen its reliance on central Government funding, and to develop alternative sources of income to support its activities."

"External Relations: Strategies for the University", will take place at 1.00pm on Wednesday, 8 August in the Ira Raymond Room, Barr Smith Library.

All members of the University community (staff, students, alumni and Council) as well as the general public are welcome to take part.

—John Edge

As Sunday, 4 August draws closer, I would like to congratulate the many staff and students who have been working hard to prepare for the University's first Open Day for 18 years on their ingenuity, imagination and sheer hard work.

The activities and displays now being prepared offer amazing variety and depth. I am personally very much looking forward to seeing them all. All faculties and services will be well represented, and Open Day will clearly demonstrate the contribution made by our teaching, research and community service to the economic, social, scientific and cultural life of South Australia.

I would like to invite all staff, if they are not already directly involved in their area's Open Day activities, to take the opportunity to explore areas of the University with which they may not be familiar, and to show family and friends around our work environment.

And to those staff members who will be working just as hard again when thousands of school students arrive for Information Day on Monday 5 August, special thanks!

Mary O'Kane,
Acting Vice-Chancellor

Double-bill: Opera in the Extreme

The Madley Dance Space will be the venue for three nights of unique chamber opera in August when a new Australian premiere and the world's earliest known opera are presented on the same program.

The widely contrasting works are *A Madrigal Opera* by Philip Glass and Adam de la Halle's *Robin and Marion*, both stage directed by former Head of Drama, Frank Ford.

Glass wrote *A Madrigal Opera* in 1982, and describes the six-part vocal madrigal as being "completely written in terms of music but await[ing] the contribution of other authors in order to be completed for the theatre."

Frank Ford and Musical Director Grahame Dudley met Philip Glass earlier this year to discuss their Australian premiere production.

Grahame Dudley says their original interpretation of the work "is based on contemporary rituals and the western cultural obsessions of cleanliness and exercise. It focuses on the quest for personal hygiene, fitness and beauty and the repetitive rituals we have built around them."

A Madrigal Opera features the Ronin Dance Company from the Dance Department and a multimedia design by PATU (the Performing Arts Technology Unit of the Faculty of Performing Arts).

By contrast, the bawdy *Robin and Marion* was written in 1288, and is the earliest opera of which there is any written record.

Under the musical direction of Lesley Lewis, the Elder Conservatorium's Early Music Workshop students will use traditional Medieval and Renaissance instruments, including the viol, dulcimer, crum horn and shaum.

Performances are in the Madley Dance Space at 8.00pm on 8, 9, 10 August, with 12.15pm matinees of *Robin and Marion* only on 8/9 August. Tickets \$12/\$10/\$6, matinee tickets \$4: available at the door or on 303 5995.

The News IN BRIEF

MULTIMEDIA SECONDMENT

The University's Director of Policy and Planning, Dr Adrian Graves, is to take up a two-year secondment to the Ngapartji Cooperative Multimedia Centre.

The three South Australian Universities, along with leading information technology companies, are shareholders in Ngapartji. Dr Graves will take up the role of Director of Business Development for the centre.

ELEMENTARY TRUTHS

Following its recent highly successful Millennium series of public lectures, the Philosophy Department is now offering another lively and controversial evening on 8 August with the University of Geneva's Professor Kevin Mulligan.

One distinction in philosophy is between Western and Eastern philosophy. Within Western philosophy, there is another distinction, between analytical philosophy and continental philosophy.

Professor Mulligan is known for his strongly critical views of recent poststructuralist continental philosophy, including Heidegger, Foucault and Derrida. He maintains that this amounts to a disastrously wrong turn within parts of the humanities and social sciences.

Professor Mulligan's lecture, "Continental Philosophy: Some Elementary Truths", will take place from 7.30-9.00pm in Lecture Theatre 102, Napier Building. The lecture is free and all are welcome.

STUDENT ASTRONOMY AWARD

Lisa Bewley, a 1995 Honours student in Physics & Mathematical Physics, was recently awarded the 1996 Bok Prize of the Astronomical Society of Australia for the best undergraduate report on an astronomical topic in the previous year.

The Bok Prize (\$250 and a bronze medal) commemorates the work of Bart Jan Bok, former director of the Mt Stromlo Observatory.

Ms Kewley's honours research, supervised by Dr Roger Clay and Dr Bruce Dawson, was on the subject of astrophysical angular correlations and was concerned with relating the directions in space of a number of astronomical phenomena: galaxies, gamma-ray bursts and the highest energy cosmic rays.

She presented her results at the Astronomical Society of Australia's annual scientific meeting in Perth earlier this month.

Ms Bewley is about to take up a postgraduate scholarship at the Mt Stromlo and Siding Spring Observatory of the Australian National University.

\$2000 MUSIC SCHOLARSHIP

The Cultural Italo-Australian Arts Organisation Inc (CIAO) has announced their inaugural scholarship for students of the performing and visual arts.

Worth \$2000, the scholarship will be offered in its inaugural year to a student of music and is open to all young musicians of Italo-Australian background who show exceptional qualities and promise in this field.

Formed in June 1994, CIAO aims to encourage and promote interest in Italian theatre, art, culture and heritage and to assist the talents of young Italo-Australians in the visual and performing arts.

Applications close on 30 August and forms are available from the Secretary, CIAO, 54 Statenborough Street, Leabrook SA 5068.

Exploding honey — simple maths problem has numerous real-world applications

When you see a spoonful of honey dripping onto a piece of toast, you don't normally think of mathematics.

But one man who does think of honey in mathematical terms is the University of Adelaide's Professor Ernie Tuck.

Professor Tuck, from the Department of Applied Mathematics, has developed an equation to measure the "explosive" rate at which very viscous liquids, such as honey, sometimes move.

"If you take a spoonful of rather thick honey and turn it upside down, it takes several seconds before it starts to fall, but then it falls quickly," Professor Tuck explained.

"There is a finite point of time at which the length of the honeydrop suddenly increases, and this can be predicted from the size of the spoonful and the viscosity of the honey.

"Using no more than Year 12 calculus we can predict this rapid change, from the point where the honey is hardly moving to when it suddenly drops from the spoon onto the toast," he said.

Professor Tuck said this method of predicting the rate of explosive growth had been developed further into a computer simulation by PhD student Miss Yvonne Stokes. He said the simple model itself and the extended computer simulation had many applications in the real world.

"The simple Honey On Toast model has been taken up by the CSIRO's Student Research Scheme, a national

program that allows selected high school students the chance to participate in higher-level research projects," Professor Tuck said.

"A Year 12 student from Marryatville High School, Leah Weckert, has been demonstrating the Honey On Toast principle to her classmates, and applying it to the teaching of calculus."

Professor Tuck said every Year 12 mathematics student should be able to solve the equation for explosive growth, because it used relatively simple mathematical principles.

"By demonstrating explosive growth with honey dripping from a spoon, we can make the teaching of calculus easier to understand, and more entertaining, for the students," he said.

Professor Tuck said other applications were also being found for this work, particularly in industries that use viscous liquids, such as molten glass.

"The uses of this model are virtually limitless," he said. "Right now we're finding more and more industrial uses, but it's entirely possible that a more advanced version of this model could be used to predict larger-scale explosive events, such as volcanic eruptions.

"If the exact explosion time had been known for a volcano such as Mount St Helens, lives could have been saved," he said.

Professor Tuck said the Honey On Toast study and its extensions were typical of Applied Mathematics.



PhD student Yvonne Stokes: computer simulation of explosive growth of honey has real-world applications. Photo: David Ellis

"Although the honey problem itself may seem rather trivial and silly, it does have important practical applications. And with the use of the computer simulation, we're conducting even more detailed studies that will have real benefits in the future," he said.

—David Ellis

Honey On Toast will be featured at the University during Open Day on Sunday, 4 August. It will also be demonstrated by Professor Tuck during a free public lecture at 7.30pm on Wednesday, 14 August in the Benham Lecture Theatre.

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Agricultural Science PhDs on the move

Two University of Adelaide PhD candidates were among five nation-wide winners of the Farrer Memorial Travelling Scholarships announced recently by the Director-General of NSW Agriculture, Dr Kevin Sheridan.

The awards are designed to support overseas travel by postgraduates enrolled for a PhD on any aspect of field crop research.

Jason Eglinton from Plant

Advertisement

Science will travel to the 7th International Barley Genetics Conference in Canada, next month. The conference, which is held every four years, is the pre-eminent international meeting in Mr Eglinton's area of research on identification and characterisation of alternative alleles for malt enzymes from the wild barley *Hordeum spontaneum*.

Paul Nelson, who is in Soil Science, is researching the role of organic mat-

ter in maintaining the structure of sodic soils. These soils have poor conditions for plant growth due to clay dispersion, and their widespread distribution throughout the cereal growing areas of Australia poses major limitations to yield. Mr Nelson will visit the US and Canada to attend the Annual Meeting of the American Society of Agronomy/Soil Science Society of America in Indianapolis in November this year.

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Anatomist breathes new life into old bones

Koala fingerprints, ancient diseases, the eruption of Mount Vesuvius, and the restoration of animal skeletons are all topics that seem to have little in common — but not to Professor Maciej Henneberg, from the University of Adelaide's Department of Anatomy and Histology.

The inaugural Wood Jones Professor of Anthropological and Comparative Anatomy, Professor Henneberg has been involved in the excavation of animal bones and human artefacts in many sites across the world, including South Africa and Italy; he has collaborated with other researchers to identify the kinds of diseases suffered by ancient Greeks; and he has helped determine the sex and age of people killed in Pompeii when Vesuvius erupted in 79 AD.

Professor Henneberg took up his position with the University in January where he is now supervising several other research projects, such as studying the way in which koalas' fingerprints resemble those of humans and apes, and establishing a collection of animal skeletons at the University that can be used for comparative anatomy teaching and research.



Professor Maciej Henneberg examines the skeleton of a giraffe. Photo: David Ellis

"This work is on the borderline between hard science and general humanities," Professor Henneberg said, "because we are dealing with history at the same time we are dealing with scientific evidence.

"What we're attempting to do is establish the place of humans in nature — where we came from, how we evolved, why we evolved differently from other animals, and also to see how our social order evolved," he said.

Professor Henneberg is originally from Poland and was formerly at the University of the Witwatersrand, University of Cape Town and University of Texas. He sees himself as continuing the important work into anatomy that has been conducted at Adelaide over the years.

He said world-renowned Adelaide professors Ray Last and Frederic Wood Jones were inspirational to him when he was a postgraduate student in Poland.

It is ironic, then, that Professor Henneberg has now taken up the Wood Jones Professorship, which was made possible by money donated to the University by the late Professor Last.

Professor Henneberg said his position was aimed at reviving students' interest in biological anthropology, by bringing the study of animal and human evolution into the teaching of anatomy. He and his colleagues in the department designed a new subject which started this year.

"The subject, Biological Anthropology, has not been taught here before, and it has been very successful so far," Professor Henneberg said.

Continued Page 8

Lower level redevelopment project

From Page 1

Throughout their concept for the site, the winning architects have incorporated open spaces, gardens, squares and terraces to ensure that the human scale of the North terrace campus is maintained and enhanced. Their proposal also gives high priority to energy efficiency, with maximum use made of passive environmental management techniques, including reduced east and west exposures, the use of sun shading to northern windows to act as light shelves, and maximum use of natural features such as trees to enhance natural ventilation and reduce the effects of sun.

Acting Vice-Chancellor, Professor Mary O'Kane said the lower level development would revitalise the north-east corner of the campus.

"This development will create an outstanding, 21st century infrastructure for our teaching and research in science, engineering and mathematics — particularly when linked with the almost completed up-grading of the Badger and John-son laboratories in the north-west corner of the campus," she said.

"The co-location of the biological sciences in the new complex will also improve internal collaboration between departments as well as our external

links with the Medical School, IMVS, Hanson Centre for Cancer Research, and CSIRO."

A display showing drawings for the lower level redevelopment proposal can be visited in the Ira Raymond Room of the Barr Smith Library until Friday 9 August.

The Property Services Branch, which will act as project manager, will set up a project office on the site within the next few months; this will have ongoing information about the project. In the meantime, enquiries should be directed to Mr John Larwood or Mr Rob Hutson on extension 35701.

—John Edge

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Team responds to economic needs

The University of Adelaide is playing a major role in the economic development of South Australian regional areas, through its involvement in the new Regional Research Network (RRN).

The RRN is a multidisciplinary research and consultancy group that specialises in economic development. It is comprised of the University of Adelaide's Centre for Labour Studies, the Key Centre for GIS (Geographical Information Systems), University of South Australia's School of Economics, Finance and Property, the University of Newcastle's Employment Studies Centre, and private company EcoBusiness.

The organisation has strong links with the southern region of Adelaide, having recently completed an economic study of the Willunga Basin.

Its latest achievement is being awarded a major economic development project encom-

passing the Adelaide Hills, Fleurieu Peninsula, Kangaroo Island, Southern Adelaide and the Murraylands.

Known as the South Central Region, the area covers more than 36,500 square kilometres and has a population of about 367,000 people.

The RRN was awarded the project by the SA South Central Consultative Group and is funded by the Commonwealth Department of Transport and Regional Development.

Project Director Mr John Spoehr, from the Centre for Labour Studies, said he welcomed the opportunity to develop closer links between industry in the South Central Region and the University sector.

"We have a lot to offer to the process of regional development by combining the diverse range of skills that exist in the University of Adelaide and the University of South Australia," Mr Spoehr said.

"Our multidisciplinary project teams produce very high levels of innovation through effective application of research," he said.

"I believe this project will mark the beginning of a very successful long-term research collaboration between members of the Faculty of Arts and the University of South Australia."

Members of the project team include Mr Rodin Genoff (Centre for Labour Studies) and University of SA staff including Mr Geoff Page, Mr Paul Statton and Mr James Juniper.

The team also includes Professor Graeme Hugo, Dr Kym Nicholson and Mr Errol Bamford (Key Centre for GIS), Director of EcoBusiness Mr Lou de Leeuw, finance expert Dr Fred Guilhaus, and Dr Roy Green, Director of the University of Newcastle's Employment Studies Centre.

—David Ellis

Advertisement

A man of humane values

The following eulogy of the late Professor Harold Woolhouse was delivered by Professor Penny Boumelha from the Department of English at a special celebration of Harold Woolhouse's life which was held at the Waite Campus on Thursday 11 July.

I had many opportunities to see, and admire, Harold Woolhouse in action as the Dean of Agriculture, as a senior member of the University, and as a representative of the University of Adelaide in the wider community. I had also great personal cause for gratitude for the characteristic generosity with which, seeing that there were very few here who might be a mentor for a (then) young female professor of English, he simply took on the task himself. But I am particularly glad that it is not of this professional Harold that I have been asked to speak, because it is not for this alone that I believe he deserves to be honoured.

On the first occasion I met Harold, he said in that exact, almost fastidious, manner of his, 'I suppose you are a deconstructionist, are you?'. To be honest, I occasionally tire of conversations about deconstruction, post-structuralism or other arcane varieties of literary theory with people to whom it seems they can mean little and matter less, and to my shame I

tried to fob him off with some platitude. 'Oh', he said, 'I only ask because, when I was Professor-at-large at Cornell, I went to some lectures by Derrida [probably the world's leading literary theorist of the moment] and there were a couple of points I'd like to talk to you about.' It soon became apparent that Harold was as well versed in theories of literature as many of my closer disciplinary colleagues. But it was not only the theory of literature that interested him; he spoke often, deeply, and well about writers whose work was important to him, writers like Rilke and Kafka, Berryman and Dickinson, Eliot and Hill. Harold sometimes wrote poetry, I know, although he never showed it to me or, to my knowledge, to anyone else. He wrote without any intention to publish, without any expectation of an audience, simply because he wanted to see if he could understand how it worked. To understand how things worked lay at the bottom of Harold's curiosity in science and art alike, and it was never a self-aggrandising gesture of mastery: it was, rather, a way of increasing what can reasonably be called reverence. Where his response to poetry was concerned, this meant a sometimes sharply discriminating but genuine humility in the face of artistic achievement.

Harold was certainly not a reli-

gious man; he was a rationalist by training, by temperament and by conviction. He was, though, a spiritual man in the finer, broader sense that he was deeply imbued with the humane values he saw embodied in culture and art, and totally persuaded of their absolute importance. In poetry and in music, particularly, he sought and he found wisdom. Harold Woolhouse was, of course, a very brilliant man, as his distinguished career demonstrates. But it was not just his intellectual qualities that set him apart. The personal qualities for which he deserves to be most remembered exemplify the very same qualities that he most valued in the poetry he loved: clarity of thought, precision of expression, generosity of spirit, and passionate contemplativeness. In this sense, the man and his poetry were truly, and as only rarely, at one.

It is hard to realise what is nevertheless obviously the truth, that Harold is not somewhere doing what he did best: thinking deeply about matters of significance. For me, that absence is only imaginable by way of two lines of the late Yeats that I have often heard him quote with relish and admiration:

Like a long-legged fly upon the stream

His mind moves upon silence.

—Penny Boumelha

Unibooks opens second Short Story Competition

After the success of the 1995 Unibooks SA Short Story Competition, which attracted 1200 entries, organisers of the 1996 competition are expecting a similar enthusiastic response from local writers.

The competition, which again carries a \$1000 first prize, is presented by Unibooks and a selection of Adelaide's independent media (dB Magazine, Radio 5UV, Entropy*, Empire Times, On Dit and Liquid Space), with a range of other organisations also providing sponsorship, including the ANZ, STA Travel and the Wakefield Press.

Running from 29 July to 30 August, the competition is open to South Australian residents of all ages, with free entry and a 50-1200 word limit.

The judges are Matt Rubinstein, Penelope Curtin and Barry Westburg, and the winners will be announced on 27 September 1996.

Entries should be sent to Short Story Competition, Unibooks, GPO Box 498, Adelaide 5001. Further information is available from Grace Fitzpatrick, 223 4366 (tel) or 223 4876 (fax).

—John Edge

GUEST COMMENTARY CONT...

The history and purpose of universities

I condemn 'scaling' because:

First — it assumes that every subject of study possesses an inherent characteristic, denominated its difficulty or hardship, which remains, objectively, at one specific level;

Second — it assumes that the hardness or difficulty is capable of objective assessment;

Third — it assumes that there is but one set of tests by the application of which the hardness or difficulty of a subject may be assessed.

Those assumptions need only to be stated to show that they cannot be valid unless the word 'hardness' or 'difficulty' is wrenched from its natural setting and given a distorted and tendentious meaning for use in the scaling formula. In its natural setting, the respective powers of teachers to communicate enthusiasm, to inspire, and to instruct; the motives of students for studying a subject; and the depth to which studies are taken, all naturally fall for consideration; but the word 'scaling' has excluded them.

Take an example. A student at Oxford may read 'Greats' (in effect, ancient history and philosophy, based, for the most part, on original Greek and Latin sources). To obtain a 'First' in Greats is an egregious accomplishment. It would be foolhardy to maintain, without more, that a graduating student who obtained a First in Mathematics or Science must have overcome greater 'difficulties' than one who obtained a First in Greats. The respective difficulties encountered by students are of a different kind, and occur at differing levels and with differing frequency. (It is perhaps significant that, certainly in the humanities, papers in Oxford are judged, not by awarding an arithmetical figure, but by their intrinsic merit as a work of scholarship.)

A Greats graduate, like a Mathematics graduate, has been taught to think analytically and constructively.

If the sceptical reader insists that credentials are the object of tertiary training, let me inform him that a graduate with a First in Greats can readily find positions in a wide array of occupations, callings, and professions, because he can turn his mind to almost any task that calls for the capacity to analyse and resolve problems, including those that concern his fellow men. In that respect, he is certainly the equal of the graduate with a First in Maths. Obviously, both kind of trained mind will be needed. For those, however, who possess credentials only, opportunities in the work-force of the nation are limited correspondingly. Such credentials (preferably obtained after a university training) may be and are sought from an Institute of Technology, a College of Advanced Education, or TAFE; studies in true universities are, in their nature, fewer and wider.

The second manifestation of the destruction of our University's soul is a consequence of the sort of limited training just alluded to. That manifestation is evidenced by a deplorable tendency in present-day universities to concentrate on courses of study whose end is simply to provide credentials. One has but to survey the issues of the *Adelaidean* journal over the past few years to observe that it preponderantly displays an interest in the promotion of, and research into, an array of science subjects, both theoretical and applied, that may be used by the University and its graduates in partnership with industry and business. That interest is manifested by the advertised courses being offered, the research of other special projects being planned or undertaken, the funds being offered for associated purposes, and

reports of successes achieved. Little appears to encourage, and to make use of, students or graduates in the humanities. Occasionally mention is made of the humanities after the manner of throwing a dog a bone. In other words, the *Adelaidean* seems to reflect a growing tendency within University leaders and administrators to eschew the humanities.

Of course, I realise that the tendency identified above has been continuously driven, reinforced, and widened, by the policies of successive Commonwealth Governments, which have exercised their power over the allocation of funds so as to give direction to the courses offered. Those policies, if not caused by the reform of making universities 'free', were, at least, dramatically stimulated by that reform. Nor do I intend to detract from the ideals and objects of the Chapters formed over the last few years by the Alumni Association, or to suggest that universities were not put under Government pressure. The pressure was, indeed, applied, but universities did not have the vision or capacity to withstand it. I do not here presume to urge universities, by stoic self-denial, to return themselves, over night, to their traditional role. I simply say, whatever the cause (if I may borrow a line from Wordsworth), "That there has passed away a glory from the earth" (*Intimations of Immortality*). The restoration of that glory is for governments and universities to undertake, working, if I may repeat the expression, in partnership.

It may be said that, at the age of 77, I am out of touch with the practical demands of the real world. My answer is simple: the soul of a true university is timeless.

—The Hon. W. A. N. Wells

New play celebrates life of Greek modernist poet

On 13 August, Theatre 62 will see the world premiere of *Cafe Cavafy*, a new work by University of Adelaide graduates Max Mastrosavas (MBBS 1973) and Arthur Giannopoulos (MBBS 1974) based on the life of the celebrated Greek modernist poet Constantinos Cavafis.

The play is set in Alexandria and in Cavafy's imagination. Thirty of his poems are interwoven with text researched in Alexandria, Athens and Cambridge. A number of the poems are set to music composed by Arthur Giannopoulos and arranged by John Kourbelis.

Constantinos Cavafis (1863 - 1933) lived in Alexandria. His homoerotic nocturnal pursuits in the brothels of Alexandria are legendary, but the appearance of these pursuits in his poetry and his ability to recreate the sensuality of experience are what elevate

him to the status of the first modernist poet of Greece.

Writer and director Max Mastrosavas describes Cavafy as "amongst the essential writers of the century".

"He had the ability to meld the ancient with the contemporary and to reveal human motives in fragments of classical history, to reflect on opportunities lost, on moments of great erotic splendour, and above all to examine the subject of loss in the contemporary world," he said.

With a writer's grant from the Literature Board of the Australia Council, Max travelled to the city of Alexandria to the Cavafy Museum, to Cavafy's house, to Athens and the Cavafy archives, and to Cambridge to examine the EM Forster archives where he read the correspondence between Cavafy and Forster.

"The result has been a histori-

cal reconstruction in a biographical manner," said Max, "But to convert this to engaging theatre I have selected some thirty of Cavafy's poems to underscore his erotic and literary liberation and his development as an artist."

Those who would like to learn more about Cavafy the poet may attend a free public lecture at Theatre 62 on 8 August at 7:30 pm.

Cafe Cavafy opens at Theatre 62, 145 Burbridge Road, Hilton on 13 August (7:30pm). Tickets \$15 - please telephone Irene Cashman 0416 223 727 or 234 0678.

Special preview performance: Monday 12 August at 8:00 pm - tickets \$5.00. The Alumni Office has ten free passes to the preview performance to give away - please contact Adrienne Eccles on 303 3196 or aeccles@registry.adelaide.edu.au.

—Adrienne Eccles



Playwright Max Mastrosavas and dancer Michelle Buday of Leigh Warren & Dancers. Photo Lisa Tomasetti

History of influential SA school

Just over ten years after the establishment of the Colony of South Australia, lessons began in a School Room behind Trinity Church in what was then a thickly-populated and far from healthy part of Adelaide. Within four years a building resembling an Oxford College had been erected in open paddocks in Hackney. This was the beginning of the Collegiate School of St Peter (St Peter's College).

For two decades - until Prince Alfred College came on to the scene in 1869 - The Collegiate School of St Peter was the only establishment in Adelaide offering an education equivalent to that of a Public School in England. It also incorporated the only theological college in the Anglican diocese of Adelaide.

Now the history of those early years and of the many influential figures in South Australian society who played a part in the school's foundation and development has been told by Dr John Tregenza, in *Collegiate School of St Peter, Adelaide: The Founding Years, 1847-1878*.

Dr Tregenza is an Adelaide graduate (MA 1956) who was for a time Reader in History at this University and is currently an Honorary Visiting Research Fellow in the History Department. For his "warts-and-all" study, which runs to 304 pages in hardback binding with over 50 black and white illustrations, he had access to a rich fund of archives dating back to 1847, as well as letters, diaries, reminiscences and early newspaper records.

Dr Tregenza writes that, when he was first asked to prepare the book, he "expected to be able to cover the whole 150 years from 1847 to 1997 in one medium-size volume". That had also been the expectation of the Council of Governors. He found, however, that it was impossible to glide rapidly over the School's founding and formative years - hence the decision to close the story in 1878, the year of the retirement



The School, 1861. Detail from a watercolour by F. Needham which forms part of the frontispiece of the book.

of George Farr, a "great headmaster who served the School for nearly twenty-four crucial years".

Dr Tregenza explores the many difficulties that shaped the school in its formative period: "intense debates in 1848 about the form of its constitution and the style of its architecture, near bankruptcy during the early years of the Victorian gold rush, dramatic fluctuations in the numbers of students, primitive sanitary arrangements, long delays in providing running water and gas lighting", and others.

He also writes of its achievements, and the contribution of its students to the community, in South Australia and beyond. The appendix of Notable Old Scholars reveals, among others, the names of Tom Elder Barr Smith, Sir George Murray, Sir Edward Stirling, and Sir Joseph Verco - all inseparable from the history of the University of Adelaide.

The book's large cast of characters includes the first Church of England Bishop of Adelaide,

Augustus Short, who attempted as early as the late 1840s to establish a University College on the same site as the Collegiate School, and was to become the first Vice-Chancellor (and subsequently the second Chancellor) of the University of Adelaide when it was established in 1874.

Others featured are the sea captain and Burra Mine shareholder William Allen, whose financial support was influential in getting the school established, its greatest benefactor, Benjamin Mendes da Costa, and George Farr's remarkable wife, Julia Farr.

Collegiate School of St Peter, Adelaide: The Founding Years, 1847-1878 was published by St Peter's College on 28 June, 1996, the eve of St Peter's day. Copies are available from The Accounts Office, St Peter's College, St Peters, SA 5069 for \$29.95 (\$7.50 extra for posting). Copies will also be available from Unibooks.

—John Edge

Alumni IN BRIEF

Informal Cello Afternoon

Cellist Janis Laurs joins with pianist Lucinda Collins for an informal afternoon of music in the Hartley Building Concert Room at 2:30pm on Sunday 18 August. Hosted by the Cornell Chapter (Arts and Performing Arts).

da Vinci Chapter

The Leonardo da Vinci Chapter will hold its 1996 General meeting and election of a new committee at 5.30 for 6.00pm on Tuesday 13 August.

The meeting will be held at Casa D'Italia (SAIA), Carrington Street, Adelaide. Drinks and nibbles will be provided.

Anyone wishing to stay for dinner after the meeting should contact the Secretary of the Chapter, Romano Rubichi, by Friday 9 August on 356 2756.

Mathematics of Honey on Toast

Professor Ernie Tuck, Dean of Mathematical and Computer Sciences, will deliver an illustrated talk on "The Mathematics of Honey on Toast (and other everyday fluid flows)" at 7:30 pm, Wednesday 14 August, in the Benham Lecture Theatre as part of the Alumni Activities Program.

This illustrated talk is FREE. Individuals and groups are welcome; please contact the Alumni Association Office to let us know you are coming, on 303 4275.

Distinguished Alumni Awards

Nominations are now invited for the 1996 Distinguished Alumni Awards.

Any member of the alumni body of the University of Adelaide may nominate alumni for Distinguished Alumni Awards.

Further information may be obtained from the Executive Secretary of the Alumni Association, Mr Geoff Sauer, on telephone (08) or 61 8 303 4277, fax (08) or 61 8 303 5808 or by email: gsauer@registry.adelaide.edu.au

Student designs on the Web

The "virtual classroom" has come to life at the University of Adelaide, with Architecture students displaying their designs and discussing work-related problems on the internet.

The Department of Architecture set up a special site on the World Wide Web last semester for students undertaking Design & Form, an introductory subject aimed at developing their design skills.

Although they attended standard face-to-face lectures, the 97 Architecture students received all their assignments via a "handout page" on the web site. As well, a computer bulletin board kept them up-to-date on latest information, notes, and hints from their lecturer, Dr Rob Woodbury.

Making use of the University's state-of-the-art Computer Aided Teaching Suite, the students also held virtual discussions with Dr Woodbury and

with classmates about important issues, as well as using the computers to create multi-coloured architectural designs.

Each completed assignment was then posted to the Department's internet web site. A gallery of the results of this work, including comments by Dr Woodbury and tutor Sarah Paddick, can be found at <http://www.arch.adelaide.edu.au/df/>.

"Computers are changing the practice and teaching of architecture," said Dr Woodbury. "Increasingly, architecture is being done with computer-based drawings and models, instead of the older manual techniques. Because computer-based offices will be their professional future, students have to make the transition to this new mode of work, and we're helping them to do that," he said.

Dr Woodbury said the

World Wide Web site, which he created with postgraduate student Mr Teng-Wen Chang, was unique in Australia because it allowed such a high level of student interaction.

It also encouraged the students to develop a sense of professionalism, Dr Woodbury said.

"Because their work is on the internet, it can be seen by anyone in the world. That means the students have paid extra attention to their designs. There's no doubt students have used the medium to improve the intellectual content and presentation style of their assignments. I've been very impressed by the quality of their work to date."

Dr Woodbury said there was a great deal of enthusiasm among students for the "virtual classroom".

"The students in Architecture are keenly aware of the



Teng-Wen Chang and Rob Woodbury: Photo David Ellis

importance of the computer medium and are willing to learn and utilise it. This approach to teaching and learning has been successful both for the students and myself, and I think the University as a whole could benefit from developing a broader version of what we've done."

The Architecture Students' Association has also got into the act, creating its own web site to display students' high-quality work in an internet gallery. The site can be visited at <http://smug.student.adelaide.edu.au/~archstud/>.

—David Ellis

Advertisement

Breathing new life into old bones

From Page 5

"We had more than 20 students enrol, and to get that many for a first-time course shows there is an interest about this area of study. Our first Honours student is also registering now," he said.

One of the most interesting aspects of the subject has been the establishment of a collection of animal skeletons, which students can then use to study the differences between human and animal anatomy.

A large part of this collection will be on show during the University of Adelaide's

Open Day on Sunday, 4 August.

Professor Henneberg said he believed it was important for both students and the wider community to see this collection.

"I think people are very much interested in the evolution of the human body and behaviour, and the best way to study this is by comparing the development of humans with that of other animals. The collection of skeletons we have here is not only of major importance to our scientific work, but should also be fascinating to the community as a whole," he said.

—David Ellis

ACCOMMODATION

ADELAIDE: SE Corner. Person wanted to share lge townhouse with one other. \$82.50 pw. Ph 223 3396.

AVAILABLE: Furn 2bdm townhouse with study. Close to transport, shops. Courtyard garden. \$140 pw. Ph 333 0698 (ah).

BLUESTONE COTTAGE: Gilbert St, Adelaide. 2bdm, built ins, wooden throughout + slate. Atrium with conservatory. Private and secure. Lock up garage. Long term lease preferred. \$185 pw. Ph Melinda 0419 836 068.

BRIGHTON: Lge 3 bdm house for rent, sep dining. Avail Aug to mid Jan. Excellent location. 5 min walk to beach. Suit family. \$280 pw. Ph Sue Belleli 295 2022 (after 3 Aug).

CAMBRIDGE(UK): Are you going to Cambridge? I am a resident of SA and have a beautifully appointed 1bdm flat centrally situated to all colleges in Cambridge. Fully furn and centrally heated. Avail Oct 96. Prefer long let tenant. Ph 296 7340.

CAMBRIDGE(UK): Couple wish to swap 3 bdm house, garden, in attractive village, 12 km from city for house in Adelaide (preferably Blackwood/Eden Hills area) approx Dec 96 - Mar 97 or part. No smokers. Children negotiable. Reciprocal use of car if desired. Ph 370 3764.

CAMDEN PARK: Upstairs 1 bdm flat. Fridge & built in robes. \$60 pw. Ph Garry Stevens 326 6351 or contact Gary Smith Real Estate 297 9622.

EASTWOOD: 2 bdm fully furn cottage with mod cons. 1 or 2 people to share 2nd bdm (twin beds). Non smoking, female vegetarians preferred but not mandatory. \$80 pw + exp for single occupancy or \$100 (\$50 each) + exp for twin share. Call Elspeth 338 2811 (w) or 272 4018 (ah), or STD (08) 8842 3557 on weekend. Immediate occupancy avail.

HIGHGATE: Female wanted to share 2bdm unit. Rent negotiable. Close to bus route. Ph 210 0435 (w).

KANGAROO ISLAND: Vivonne Bay. Self contained architecturally-designed house. Sleeps 5. Beautiful beach, bush, wildlife. Ph 388 6404.

LEABROOK: Lge, recently renovated, 4 bdm, full furn villa (main en-suite) with sep lounge, dining & family rms. Lge grounds, tennis court. Close to schools & facilities. Avail 5/10/96 - 25/1/97 to responsible family. \$450 pw + bond. Ph 314 508 or 235 7452 (w).

MARDEN: 2 females to share 3 bdm furn house. Close to shops, bus stop, Mins. to city! Ph Wayne 365 7580. \$40pw + expenses.

NTH ADELAIDE: Non-smok-

Adelaidean

CLASSIFIED

ing female to share furn 3bdm townhouse. Close to all amenities, linear park, & parklands. Avail early Sept. \$100 pw. Ph 239 2335.

PARKSIDE: Person to share pleasant old house & garden with one postgrad & cat. Lge unfurn room. \$80 pw + exp. Ph Alison 303 6641 or 271 7293.

PARKSIDE: Share accomm with 2 females avail. 1 bdm. Available now. \$60 pw. Contact Felicity 373 5962.

WANTED: Polish academic, wife and 2 daughters (9 & 10) seek furn accomm within easy reach of North Tce. Required Sept for 6 mths. Ph Dr Protheroe 303 4748/303 5996 or email: rprother@physics.adelaide.edu.au.

WANTED: Visiting US scientist wants accom. 1 bdm/bedsit/granny flat close to North Adelaide. 19 Aug to 11 Nov 96. Apply direct by email: sfred@hubcap.clemson.edu or ph 204 7061.

WANTED: Family of 4 relocating from the US seeking temporary housing in the eastern or south-eastern suburbs. Prefer 3-4 br within short distance of primary/high schools. Contact David Castillo castillo@s61.es.lnl.gov or Marian Magee mari-an@pangea.stanford.edu

WANTED: Visiting NZ academic requires accomm for 4 months 6 Aug - 6 Dec. Prefer 2 br furn flat, but would consider house sit (willing to care for animals and garden), or share. Contact Keith email K.Tuffin@massey.ac.nz

WEST BEACH: Furn townhouse with small balcony and absolute sea views, 2bdm, study, formal living/dining, full bathroom upstairs, toilet & shower downstairs, air con, gas heating. \$285 pw. Ph Sue Midson 015 393 797 or 358 3322.

FOR SALE

BED: Double Sealy Posturepedic, spotless, under warranty. \$400 ono. Double bed with headboard and Bodycare mattress, \$200 ono. Ph 340 3171.

DINNER SERVICE: Royal Copenhagen 12-person complete. Traditional flute white & blue. New, never used. POA. Ph 340 3171.

GOLF CLUBS: Gents RH Wilson 1200 LT, 9I, 2W. Excellent cond. Looking for a kind pair of hands. \$350. Ph Jim 303 3094.

HONEY: Pure fresh Coromandel Valley honey. Just extracted. \$4 kg. Limited

supply of honey in the comb, \$4 per section. Ph Peter 303 5648 or 278 8975 (ah).

MITSUBISHI COLT: '82 man, a/cond, good body, eng. ULN375. \$2,700 ono. Ph 379 5497 (ah), email: habib@eleceng.adelaide.edu.au.

MOTOR BIKE: "Postie" Honda CT 110. Ideal commuter. Registered until April 98. \$700. Ph Pat 303 5401 or 362 9559 (ah).

NISSAN MICRA: 1995 LX, silver (metallic paint), 8,800 km, grey trim, matching sheepskin covers, exc cond, balance of factory warranty. VTZ 735. \$13,600 ono. Ph Esther 201 3852 or 293 1158 (ah) or email: laes@cc.flinders.edu.au.

PENTAGON OIL HEATER: With Electric fan heater, good cond. \$60. Ph Ali 303 5043 / 303 5313 (w) or 272 4515 (ah).

PERSIAN RUGS: (2) Machine made (5 stars), 1 x 1.5 mtr each. Hunting yard, new. \$400 (both). Ph Ali 303 5043/303 5313 (w) or 272 4515 (ah).

THERAPY CHAIR: "Niagara" Cherrywood leather, fully reclines, massages & heats. As new, under warranty. \$4,500 ono. Ph 340 3171.

TOYOTA RT81 SEDAN: Automatic, renewed engine, radiator & starter motor. New paint. Rego till 2 Jan 97. RDD776. \$1,300. Ph Ali 303 5043/303 5313 (w) or 272 4515 (ah).

WANTED

NANNY: Semi-permanent casual for 4 children. Mon - Fri, 3pm - 7pm at College Park (close to city). Must have current drivers licence and be a competent driver. Have to collect children from school and do whatever is required to assist children's mother. Car can be provided to drive children. Pay negotiable. Ph Dr Rositano 258 9103.

DEPARTMENTAL

FALCON STATION WAGON: 1994, white, air cond, ABS brakes, approx 45,000kms VPR338. Contact Keith Cowley, Environmental Science & Rangeland Management, Roseworthy, (ph 303 7814) for inspection. Tenders marked ESM 1/96 to Laboratory Manager, Environmental Science & Rangeland Management, Roseworthy Campus, by 5.00 pm, Fri 2 Aug 1996.

VR COMMODORE: Acclaim Sedan. Auto, air cond, tow-bar. Approx 40,000 km (ref: AFS96/1). VRE090. Inspection by arrangement with David Mathew, Department of Agronomy & Farming Systems. Tenders in a sealed envelope to David Mathew, Department of Agronomy & Farming Systems, Roseworthy Campus, Roseworthy 35371, by Wed 31 July 1996. Ph 303 7876.