

JULY/AUGUST 2006

# NEWSLETTER

THE MAGAZINE FOR THE STAFF OF THE UNIVERSITY OF CAMBRIDGE



UNIVERSITY OF  
CAMBRIDGE

**NEW  
LOOK**



## **Six University ways to be green**

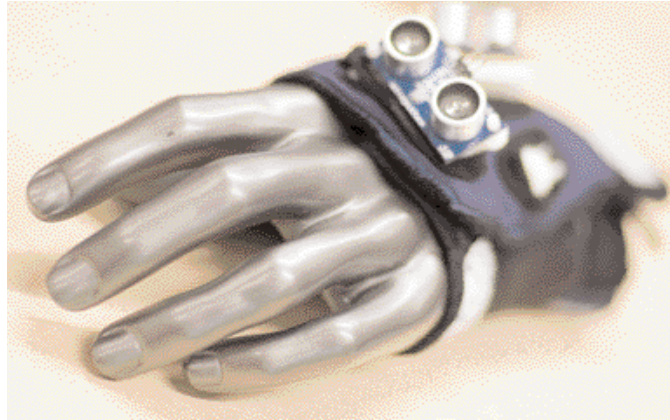
**Plus: Cambridge research saves sight | Who's coming, who's going | What's on**

# SNAP SHOT

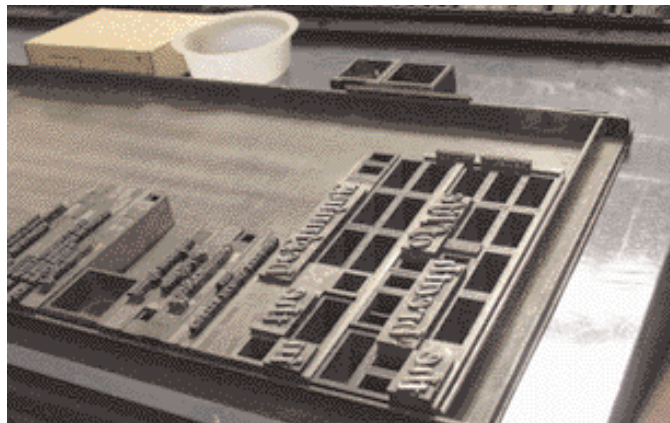
**Business savvy:** Oliver Griffin, a Programme Manager at the University of Cambridge International Examinations (CIE), being presented with an award for coming up with the best business project. He was taking part in the Summer School of the Centre for Entrepreneurial Learning, part of Judge Business School. Yupar Myint is presenting the award to Oliver.



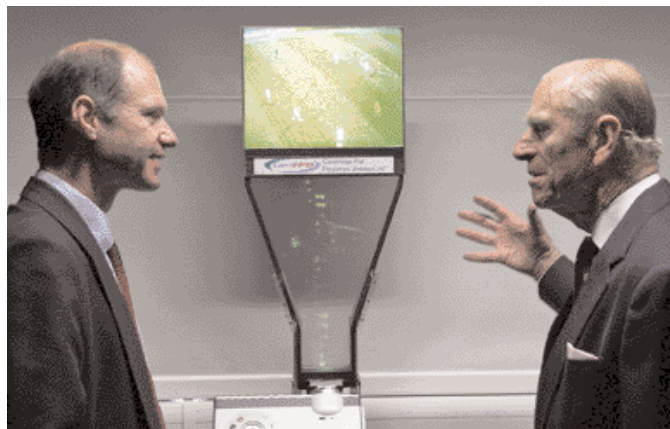
**Helping hand:** This 'bionic' glove helps visually impaired people to sense the world around them using ultra-sound, rather like a bat. The glove has a small vibrator which turns this signal into a physical sensation that the wearer can feel. It was invented by engineering students and displayed at the Department's annual design show this summer.



**Hot metal:** The world of the private press is on display at an exhibition which has just opened at the University Library. See a triangular book, a book bound in stone, and a 'deconstructed' book reduced to an illegible object – a shredded text in a polythene bag.



**Beam me up:** The Chancellor is shown some of the latest prototype televisual displays on a visit to the new building for Electrical Engineering in West Cambridge. The special feature of this display is its compactness in that the image is transmitted from underneath the screen. On the left is Dr Adrian Travis, lecturer in the Photonics and Sensors Group, at the Centre for Advanced Photonics and Electronics (CAPE).



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COVER IMAGE BY JONATHAN HORDLE/REX FEATURES

## NEWSLETTER

Newsletter is published for the staff of the University of Cambridge and is produced by the Office of Communications.

Your contributions and comments are most welcome. Please send them to the editor at [university.newsletter@admin.cam.ac.uk](mailto:university.newsletter@admin.cam.ac.uk). Tel: 01223 332300.

The deadline for the next edition is August 18.

Editors: Charlotte Sankey, Nicola Rogers  
Contributors: Gregory Hayman, Tim Holt, Genevieve Maul, Nicola Buckley, Alex Buxton, Leila Coupe, Lucy Close, Nerissa Hannink, Suvi Tenkanen.

Designers: Esterson Associates  
Printed by: Cambridge Printing Park  
Printed on paper made from elemental chlorine free wood pulp sourced from sustainable forests.

→ Your comments and contributions are always welcome. Please send them to the Editor at [university.newsletter@admin.cam.ac.uk](mailto:university.newsletter@admin.cam.ac.uk)  
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## Stephen Fry joins Prince of Wales in bid for better teaching

IRONY IN Shakespeare and fiction in Victorian times were among the subjects discussed in Cambridge in June by celebrities, in a bid to encourage History and English teachers to stretch their pupils more.

This is the latest initiative from the Prince of Wales who has joined forces with the University in a new development of the Prince of Wales's Education Summer School, now in its fourth year.

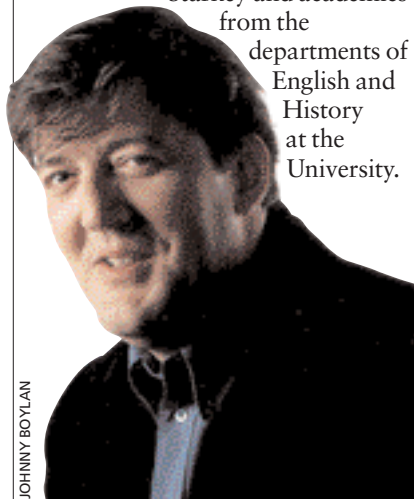
The new partnership offers training to state school teachers of English and History, encouraging them to set more challenging books and historical topics for school pupils. The Education Summer School provides an annual forum for teachers to step away from the classroom, hear from an inspirational range of speakers, and rediscover the depth and breadth of the subjects they teach.

A new charity is also being formed, the Prince's Cambridge Programme for Teaching, and at its heart will continue to be an annual residential course. Lord Wilson of Dinton, Master of Emmanuel College and former Cabinet

Secretary, will be Chairman of the charity. He said: "It is clear from listening to teachers of English and History that there is a gap in the market for career development which focuses on the content of what is taught in the classroom, rather than on professional skills."

More than 80 teachers attended the 2006 Summer School. The guest speakers included Melvyn Bragg, Stephen Fry, Michael Morpurgo, Lynne Truss, Kate Adie, David

Starkey and academics from the departments of English and History at the University.



JOHNNY BOYLAN

## Your chance to become a 'superworker'

A COURSE FOR high-achievers is being offered to members of the University for a reduced price of £600 (standard price £950). Called 'Superworking', the workshop will use latest research on brain function to teach participants how to perform more effectively and creatively. The course is run by Mary Sharpe, a consultant who is a visiting scholar at the Centre for Women and

Leadership at Lucy Cavendish College. "Essentially it's a mini course in positive psychology," she said, "that will teach participants to maximise use of their brains and cope with conflicting demands."

Open to men and women, the course is spread over four weeks and runs in September and October.

→ More details at [www.gnosis7.com](http://www.gnosis7.com) or contact [sharpem@gnosis7.com](mailto:sharpem@gnosis7.com).

## ALL NEW...

### Lifts



The School of Humanities and Social Sciences has improved its labyrinthine complex at 17 Mill Lane to make it accessible to disabled colleagues thanks to two new lifts. The project is part of a university-wide programme to comply with the Disability Discrimination Act. The new system was tested by Judith Jesky (pictured), University Disability Adviser, who pronounced it a success. Wheelchair users wishing to access 17 Mill Lane should contact Matthew Ham ([mjh210@cam.ac.uk](mailto:mjh210@cam.ac.uk)) to get their University card activated.

### Book for entrepreneurs

A guide for university staff and students wanting to start a technology company has been published by Cambridge Enterprise. *Starting a Technology Company* provides valuable insights into starting a science-based business. It draws on Cambridge Enterprise's experiences of starting businesses with University researchers, with input from external contributors. It covers the whole process of launching a company, from establishing objectives and building a team, to an overview of product development and accounting. Teri Willey, the new director of Cambridge Enterprise, said: "I hope individuals will feel inspired to bring science forward to benefit the wider world".  
→ The guide, sponsored by the Cambridge-MIT Institute, is available free as a PDF on Cambridge Enterprise's website: [www.enterprise.cam.ac.uk](http://www.enterprise.cam.ac.uk)

### Sculpture

A new addition to the work on display in the Fitzwilliam Museum courtyard is a bronze by contemporary artist, William Turnbull. The piece, called *Large Blade Venus*, stands 3m high and was donated by the Art Fund, the country's largest independent art charity. It is the first example of Turnbull's work to be acquired by the museum. The gift was made in honour of the Art Fund's former chairman, Sir Nicholas Goodison, who has been a long-standing admirer of Turnbull's work and a strong supporter of the Fitzwilliam Museum. Over the years, Sir Nicholas and his wife have donated 50 pieces of contemporary art.

# WHAT'S NEW

## Cambridge: the home of football?



AS WE LICK our wounds over the World Cup, it may provide some small comfort to remember that the University played a key role in shaping the game of football that we know today. For Cambridge was the place where the rules of football were first invented.

In the 1840s a group of University students drew up a list of rules,

known as the 'Cambridge Rules', that laid the foundations for modern football.

In the early days football was a rough game with few rules. Physical force prevailed and brawls, fights and injuries were common. By the mid-1800s various different versions of the game had evolved. Public schools such as Harrow and

**History revisited: a commemorative match between the University (in blue and white) and the Zion Eagles, a team drawn from the city's homeless**

Eton would come to Parker's Piece to play but had no consensus on how to play. In 1848 a list of 12 basic rules was drawn up by University students to overcome this. Copies of the rules were displayed on trees around Parker's Piece.

The 1840s 'Cambridge Rules' were quickly taken up by teams in the surrounding area. When the Football Association was formed in 1863, they used them as guidelines for the new FA rules.

Cambridge can also lay claim to having the country's oldest football club. Cambridge University FC was active in 1857 – a year earlier than the formation of Sheffield FC, long thought to be the oldest club in the world.

To mark this the Zion Eagles, a team drawn from the city's homeless, held a commemorative football match in 2000 and called for a permanent memorial to Cambridge's historic links with football. This has yet to be agreed but in the meantime a small plaque on a tree near the fire station reads: "Here on Parker's Piece, students established a common set of rules of simple football rules emphasising skill above force."

## How does Cambridge perform on race equality?

THE STAFF Race Equality Advisory Group (REAG) is calling on all staff to take part in a survey about their experiences of race relations. This is the first survey of its kind to be created internally. It will be launched this autumn and every member of staff will be invited to participate.

The project is a mapping exercise to gain an understanding of good and bad practice in the University. It falls in line with the core values of the University – freedom of thought and expression, and freedom from discrimination. The Race Relations

Amendment Act 2000 also requires universities to promote good relationships between people of different racial groups.

The survey will be entirely confidential and give a voice to all staff members. REAG member Joan Koehler said that the survey will help provide "an overview of problems regarding any race issues". Gordana Najdanovic added: "It is important to have as many members of staff participate as possible, as that will help make the survey results valid and reliable".

REAG was started two years ago



**Promoting equality: Joanne Koehler, left, Library Assistant at the University Library, and Huen Swee Kim of the Race Equality Advisory Group**

to promote race equality, with an initial random sample of ethnic minority staff members. It is supported by the Vice-Chancellor and Pro-Vice-Chancellors and is part of the University's desire to improve the experience of its employees and students in respect of race equality. REAG would like to thank all staff in advance for their help in this exercise.

→ If you would like to know more, contact the group's secretary Huen Swee Kim, Personnel Division, at [skh34@admin.cam.ac.uk](mailto:skh34@admin.cam.ac.uk), tel: (7)65807.

→ Your comments and contributions are always welcome. Please send them to the Editor at [university.newsletter@admin.cam.ac.uk](mailto:university.newsletter@admin.cam.ac.uk)  
The deadline for the next issue is August 18.

## Changes at the UAS

A SERIES OF proposals to enhance the services delivered by the University's central administration (Unified Administrative Service or UAS) were sent to staff earlier this month by the Registrar, Tim Mead, and discussed at an open meeting on July 4.

The overall push behind the changes is the desire to enhance the University's ability to compete out in the world, "while also preserving the reality of a self-governing academic community," says Mead. He stresses the need for the UAS to be as involved with academic units as it is with the senior policy committees, and for the UAS to be trusted by academics as "being on their side" and not "of the centre".

Since the UAS was created in 1996, much has changed. The roles of Treasurer and Secretary General have been discontinued, and Pro-Vice-Chancellors are now very much part of the scene, leading strategic and policy development. The demands on the University from outside have also increased dramatically, massively increasing the burden on administration. This drives the University to be increasingly coordinated and purposeful, knowing where its interests lie.

The creation of the UAS only went so far in rationalising the University's complex system of administration and academic support, and adapting it to modern expectations. Mead observes: "There was ample evidence that the time was right to take a dispassionate look at the way the administrative system as a whole was functioning."

The Registrar's paper proposes around 20 changes. They include: reducing the number of UAS divisions reporting direct to the Registrar from eight to six, one of several measures to rationalise the work load of Senior Officers, allowing them to give due attention to strategic issues, and prevent against them "becoming part of the problem rather than part of the solution"; creating five key professional Divisions and one

Administrative Services Division; integrating teaching and research administration within a renamed Academic and Student Services Division; ensuring that the relationships between the University's various Senior Officers are seamless; enhancing administrative service delivery at School level and support to departmental and faculty administrators; and, tying in to the whole those institutions that supply discrete services to students and staff (Careers Service, Physical Education and Sport, the several Health Services).

At the open meeting the Registrar reassured staff that the changes are not about cutting jobs but about making the administration more effective and efficient, although he said it was "impossible to guarantee that no jobs will disappear as a number of jobs will have their content changed in part or completely".

The University Council agreed the proposals in outline on June 19. The detail will be worked out through a process of planning and consultation over the Michaelmas Term. It is hoped the changes will be fully operational by Michaelmas 2007.

→ *If you would like a copy of the Registrar's paper email Angela Faulkner at [aef30@admin.cam.ac.uk](mailto:aef30@admin.cam.ac.uk)*

## Arts funding

THE SCHOOLS OF ARTS and Humanities and Humanities and Social Sciences have announced a second year of early-career fellowships for teaching officers wanting time off to pursue research. This is launched in association with the Centre of Research in the Arts, Social Sciences and Humanities.

The scheme allows University teaching officers and college teaching officers to apply for an additional term of research leave.

→ *Contact CRASSH for further details on tel: (7)65276.*

## ALL NEW...

### Name

CareerStart@cam is the catchy new name for the University employment scheme formerly known as the Young Employees Programme (YEP). CareerStart@cam offers support and training to employees working in the University and Colleges in the early stages of their career. The name change reflects new legislation on age discrimination which comes into force this autumn.

Based at the Staff Development office in Trumpington Street, CareerStart@cam supports an average of 20 staff who are either new to the workplace or new to the University. The programme offers vocational training and informal support.

→ *For more information go to [www.admin.cam.ac.uk/offices/personnelljobs/careerstart](http://www.admin.cam.ac.uk/offices/personnelljobs/careerstart)*



### 800th book

A book celebrating the 800th anniversary of the University – its past, present and future – is being published in September 2008. It will be a mixture of alumni reminiscences and academic articles. Alumni and staff are invited to subscribe early; in return their name will be printed in the book. It is being produced by Third Millennium Information who have produced similar works for individual colleges. The Vice-Chancellor is chair of the editorial board. The next issue of CAM will include a brochure inviting alumni to subscribe and submit stories and photos. *To subscribe contact the University Development Office, tel 32288, [alumni@foundation.cam.ac.uk](mailto:alumni@foundation.cam.ac.uk).*

### Building



A brand new building for the Department of Biological Anthropology has just been opened in Fitzwilliam Street, opposite the Fitzwilliam Museum. Designed by architects Sheppard Robson, it blends in sensitively with one of the most beautiful examples of historic terracing in the city. Named the Henry Wellcome Building, it is home to the Leverhulme Centre for Human Evolutionary Studies. This was established in 2000 (but without a site) by Dr Marta Mirazón Lahr and Professor Robert Foley. The Centre brings together fields such as the study of fossils, genetics, cultural diversity and linguistics. The launch was attended by eminent anthropologist Richard Leakey (right).

## A Cambridge honour

IN A CEREMONY that dates back to 1493 the Chancellor of the University, HRH the Duke of Edinburgh, conferred honorary degrees this June on seven distinguished individuals at a congregation at the Senate House.

The Congregation of the Senate House was conducted entirely in Latin, and the ceremony was accompanied by the combined choirs of Gonville and Caius and St Catharine's Colleges.

The seven recipients were:  
→ Archbishop of Canterbury, Dr Rowan Williams

- The Governor of the Bank of England, Professor Mervyn King
- Novelist, Margaret Drabble
- University of Cape Town Vice-Chancellor, Professor Njabulo Ndebele
- Dr Charles Vest, former President of the Massachusetts Institute of Technology
- Professor Edward Witten, Charles Simonyi Professor of Mathematical Physics at Princeton
- Professor Ahmed Zewail, Linus Pauling Professor in Chemical Physics at the California Institute of Technology.

The Chancellor ascending the steps into Clare College dining hall where a lunch was held before the ceremony



Novelist Margaret Drabble at Clare College before the ceremony



Professor King and the Archbishop of Canterbury in procession before the degree Congregation in the Senate House



Professor Ahmed Zewail, an Egyptian-American chemist who won the 1999 Nobel Prize for his work on femtochemistry

Professor Ndebele responded to the Chancellor's toast at a garden party following the Congregation. He spoke of when he first came to Cambridge:

"Some 33 years ago I arrived at Churchill College just in time for the Michaelmas Term, a recent graduate of the University of Botswana, Lesotho, and Swaziland at the Roma campus in Lesotho. I still smelled of undergraduate milk at the start of a

programme to do the English Tripos in two years, coming from a country where every day was an assault on one's self-confidence. I remember agonising over whether I was good enough even to write a letter of application for admission to a world university such as Cambridge. And so it was that one was conditioned to self-select oneself out of seemingly improbable opportunity.

"That is why the letter of



"I remember agonising over whether I was good enough even to write a letter of application for admission to a world university such as Cambridge"  
Professor Ndebele

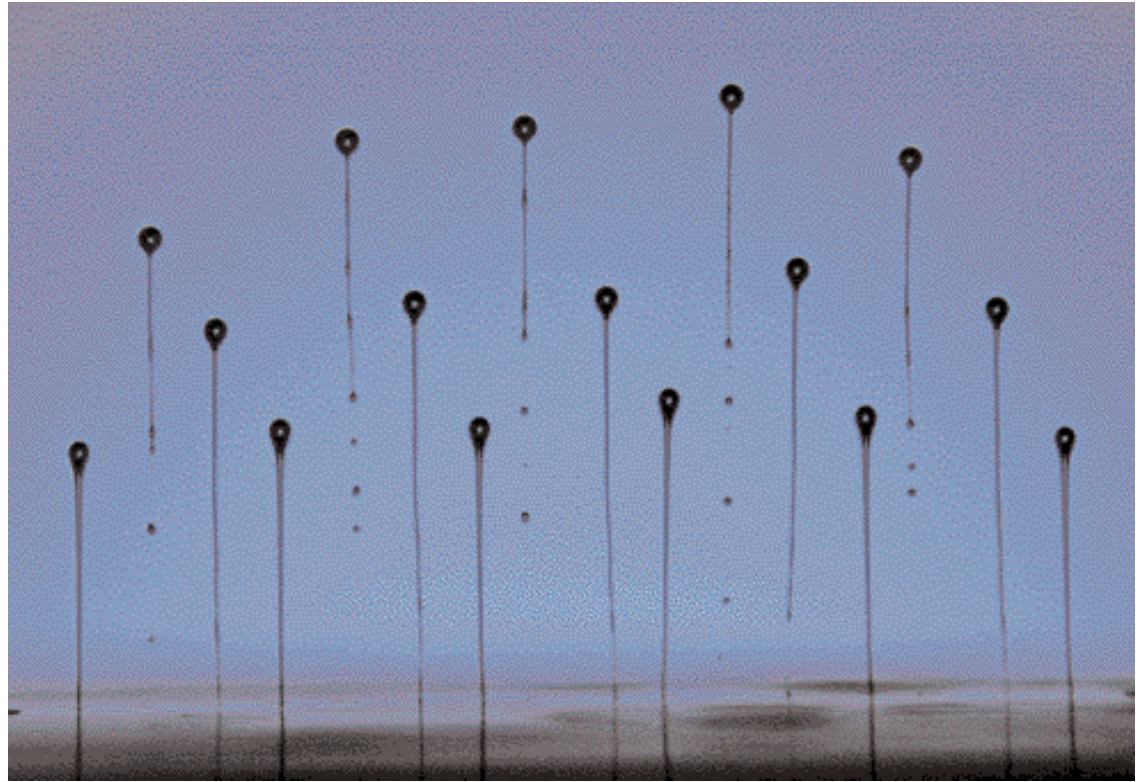
admission, when it came, was simultaneously an experience of self worth and an opening up of the world. To then go on to qualify for the Southern African Bursary Fund at Churchill College for deserving victims of a country against its own people, was an act of unimaginable validation. It could not be otherwise that coming to study at Cambridge was for me and my family, a most liberating experience."

The magic of the microscopic, captured by the Department of Engineering

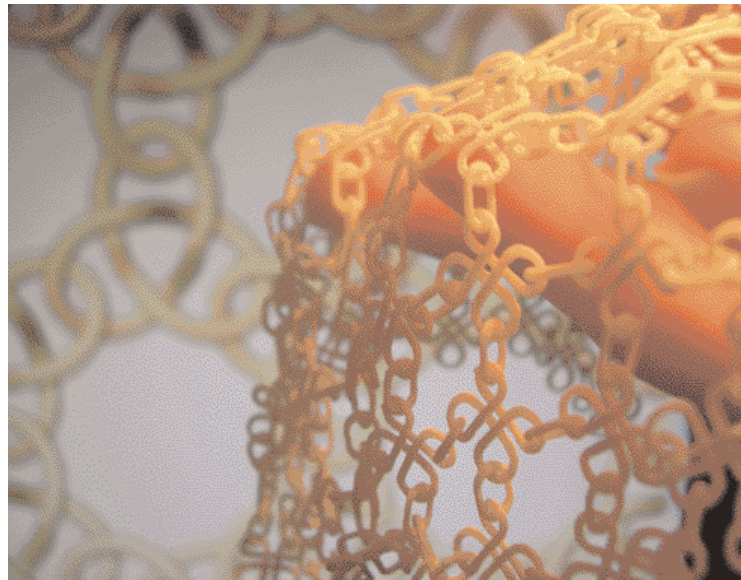
# Images from nanoland

THESE EXQUISITE images take us into the hidden world inside matter, a world of unsuspected beauty. It is a place to which we rarely get access, and one which inspires no small degree of awe and wonder as we encounter the magic of the microscopic.

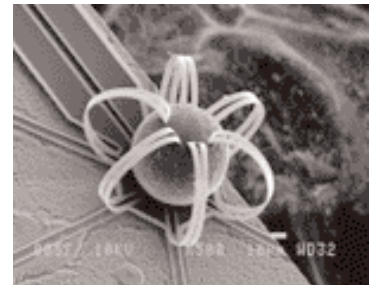
The images are the products of a photographic competition for staff and students in the Department of Engineering earlier this summer. The University of Cambridge Epson Photography Competition is now in its second year, with prizes of professional printers worth £1,000 going to the best entries. To see other entries in the competition go to [www.eng.cam.ac.uk/photocomp/2006/](http://www.eng.cam.ac.uk/photocomp/2006/)



**First prize** went to Dr Steve Hoath for his *Tails from the Nozzle Bank*. He is a Research Associate at the Inkjet Research Centre. The image was taken during experiments to investigate printer performance. Dr Hoath used a very short flash time of 20 nanoseconds to capture the ink droplets as they hurtled towards the page at 6 metres per second. The whole image is only 2.3 mm wide and each droplet's tail is 10 times thinner than a human hair.



**In second place**, student Laura Harrison's untitled photo is of a microscopic chain mail. Laura is a 4th year manufacturing engineering technology student at the Department's Institute for Manufacturing (IfM). It was taken to investigate the potential for using the process 'selective laser sintering' for new garment manufacturing techniques. This chain-link structure enables the creation of flexible textiles from rigid materials which will be useful in sporting and military applications.



**In third place** is a remarkable image which shows a ball only ~65µm across (about 20 times smaller than the head of a pin) captured in the cage of a microgripper. Entitled *Nanohand and its captured ball*, the image was taken using a scanning electron microscope by Research Associates Dr Jack Luo and Dr Yong Qing Fu. The nanohand is suitable for trapping and holding biological specimens such as cells without applying force to it, thus avoiding damage. A current can also be applied to the cage to allow it to open and close. It is hoped to use the nanohand in cancer research, where it could hold a cell to enable removal of its nucleus for study. Another application may be drug testing, where a cell could be held in place during exposure to specific drugs.

With nearly 9,000 staff the University uses a great deal of energy. However, staff are constantly coming up with new initiatives in the effort to be greener. Here are six you can get involved in

# Six University ways to be green

CLIMATE CHANGE is prompting us all – institutions and individuals – to look long and hard at the environmental impact of our actions. There's much that we can do, whether it's to reduce our carbon footprint, cut our water usage, cycle to work, or make use of recycling facilities.

The University, as a large institution and a major user of resources, is taking these issues seriously. On the macro scale it is part of a universities' initiative run by the Carbon Trust, a body that helps organisations to reduce emissions and develop low carbon technologies.

To meet Carbon Trust targets, the

University has now drawn up a detailed action plan and set ambitious goals, most significantly the reduction of carbon emissions by 10 per cent over the next five years. This is despite an expansion of housing stock in the University. The University has already signed a contract to get 97 per cent of its energy from non-fossil fuel sources.

Clearly if we all act collectively, our small actions can make a big difference. Make it an automatic gesture to turn off your computer screen every night, and switch off lights you don't need.

In addition here are six simple ways you can help make the University a greener place.

## Get on your bike: free cycle loans

**1** There are now more reasons than ever to travel by bike. You get around far more easily in the city centre, most of which was built long before the invention of the car. What's more, the University will lend you the money to get a set of wheels. In tune with its sustainable policy, the Travel to Work Loan scheme offers loans to help employees with the cost of buying a bike. Loans are offered, interest free, to the value of the employee's monthly pay, to be repaid over ten months.

The scheme, which also offers loans for annual bus and rail tickets, was introduced two years ago and has become increasingly popular. Roughly four to seven University employees a month apply for bike loans. *For more information, email [recruitment@admin.cam.ac.uk](mailto:recruitment@admin.cam.ac.uk) or phone (3)32348.*

For those commuting from

outside the city, a one-off payment of £1 enables staff to use the Park & Cycle facility off Madingley Road. Park each day in the free camera-secured car park, retrieve your bike from your personal locker, and ride into the city centre along a pretty route that follows the Coton footpath and Garret Hostel Lane.

## Don't drive in alone

**2** If you drive to work, think about joining up with other people living in your area to travel together. Car sharing saves money, is more sociable, and most importantly better for the environment. The University subscribes to CamShare, an electronic car sharing database for employees of Cambridge organisations, operated through the Travel For Work Partnership. University staff can register as users and search for car sharing partners; it is free to staff. More details are available on the CamShare website (below) where





## CHANGES TO THE UNIVERSITY BUS SERVICE

Travelling by bus is clearly a green choice. The subsidised bus service which links West Cambridge with the city centre and Addenbrooke's Hospital remains one of the University's priority travel schemes.

Now that the initial contract for **citi 4** with service provider Stagecoach has come to an end, a new agreement, also with Stagecoach, has been negotiated and comes into effect in July.

The new service, named **uni 4**, runs every 20 minutes along the



same route from Madingley Road Park & Ride and West Cambridge to Addenbrooke's, via Silver Street, throughout the working week.

The cost to the University of subsidising a bus service has risen significantly, largely due to the end of 'pump-priming' funding from the City and County Councils. As a result,

University card holders now pay a nominal 50p per journey on the **uni 4**, substantially less than a normal fare of £1.80.

It should not be confused with **citi 4** which is now the brand name for the normal, non-University, service from Cambourne to Cambridge city centre, not subsidised.

Looking ahead, there are plans to introduce a trial 50p fare for university card holders on all Stagecoach routes across the city to prompt greater bus usage.



you can find partners and get advice. For those interested in occasional car sharing, the informal newsgroup [ucam.adverts.car-sharing](mailto:ucam.adverts.car-sharing) is a University-wide forum used by those offering or seeking lifts. *More at [www.camshare.info](http://www.camshare.info) and [ucam.adverts.car-sharing](mailto:ucam.adverts.car-sharing)*

### Switch it off: the curse of standby

**3** Many people are not aware that some TVs and DVD players use the same amount of energy when they are on standby as when they are on! And a mobile phone charger that is still turned on at the plug uses 85%. So remember to switch them off fully. Last October the University took part in a Switch Off Day when staff were asked to make sure they turned everything off rather than leaving them on standby. The effect was a staggering 5 per cent saving on total electricity consumption over the following seven days. So before you leave the office each evening, turn off monitors, printers and photocopiers.

### Think before you bin it

**4** There are more than 100 large recycling bins across the University to collect cardboard, paper, plastic, glass and aluminium cans. General waste bins are normally blue; bins for recyclable materials are usually green or silver. Last year 120 tonnes of paper and 135 tonnes of cardboard were recycled. In addition, mercury, metal and glass are recovered from 12,000 old fluorescent tubes every year. A local charity called OWL (Opportunities Without Limits) collects aluminium cans and intends to set up a cycle renovation project.

### Recycle your old computers

**5** It is now illegal to dump computers in general waste, but you can get your outdated machine collected by a specialist contractor (see below). Good quality equipment is refurbished and offered for re-sale after hard drives have been wiped to remove all remaining data. Older equipment is dismantled and component materials – such as lead, aluminium, copper, precious metals, glass and plastic – are recovered for re-use. *To get your computer collected go to [www.admin.ac.uk/cam-only/offices/environment/guidance/it.html](http://www.admin.ac.uk/cam-only/offices/environment/guidance/it.html)*

Alternatively, a charity called Computer Aid will take relatively new computers (Pentium 111 upwards) and send them overseas; to date it has sent 65,000 PCs to 101 countries. [www.computeraid.org](http://www.computeraid.org)

### Skip the skip

**6** If your department or college has surplus equipment or furniture, don't chuck it. Consider whether it might be useful to someone somewhere – phone local charities for advice. Another option is the Community Giveaway Board, a free service to University Departments and colleges. Post a message on the board advertising any items you wish to give away. Community groups can see what's on offer and get in touch. No money changes hands and the group itself is responsible for collecting the item. This service reduces waste and the cost of removal. *See [www.giveaway.group.cam.ac.uk](http://www.giveaway.group.cam.ac.uk). You could also contact the Cambridgeshire Materials Exchange at [www.eastex.org.uk/cambs](http://www.eastex.org.uk/cambs).*

**An unused mobile phone charger that is still plugged in uses 85% of full power, and some TVs up to 100%**

## GREEN ACHIEVEMENTS

- Some 97 per cent of electricity used by the University is now obtained from non-fossil sources.
- Water usage has been cut by 53 per cent since 1988, despite a building stock increase of 25 per cent.
- All new buildings are assessed for their BREEAM (Building Research Establishment Environmental Assessment Method) rating. Buildings which rate highly include the Faculty of Education, Plant Growth Facility at the Botanic Garden, the William Gates building and the Centre for Mathematical Science.
- There are now around 100 recycling points around the University.

### Still to be done...

- International air travel by University staff has been identified as an activity with significant impact.
- The University has drawn up an ambitious plan to reduce carbon emissions by 10 per cent over the next five years, despite continuing expansion and demand for energy.
- A carbon footprint is being developed to look at all aspects of energy use, including waste, travel and water.

# MAKING A DIFFERENCE

Cambridge scientists have come up with a solution to tackle one of the scourges of the developing world. What is more, it is cheap

## Third World breakthrough

A BREAKTHROUGH in the diagnosis of trachoma, an infectious disease of the eye and one of the world's leading causes of preventable blindness, is at hand. Thanks to scientists from Cambridge, the first cheap, reliable and easy-to-use test has been developed which can be used out in the field.

The breakthrough relies on a wafer-thin dipstick which is used to touch the eye to detect whether bacteria are present. It is an adaptation of the award-winning 'FirstBurst' diagnostic test used to detect the sexually-transmitted form of chlamydia. The test was developed at the Diagnostic Development Unit at Cambridge University, with funding from the Wellcome Trust.

The test produces results in less



than half an hour, and could have a dramatic impact on the treatment of the disease, as it can be used where trachoma-induced blindness is most prevalent, namely in countries in the developing world where there is a lack of sufficient resources for testing. In these areas diagnosis relies on clinical observation by health workers which is far less accurate.

In a trial involving over 600 Masai children in Mount Kilimanjaro,

The new wafer thin dipstick is trialled on people living in the Mount Kilimanjaro area of Tanzania. The dipstick is touched on to the eye and detects whether trachoma bacteria are present in a very short time. It is an adaptation of the award winning 'FirstBurst' diagnostic test used to detect the sexually-transmitted form of chlamydia. The test was developed at the Diagnostic Development Unit at the University.



### ALL ABOUT TRACHOMA

→ Trachoma is thought to be one of the oldest infectious diseases known to mankind, dating back several thousand years. It was first observed some 3,500 years ago in Egypt. It came to the attention of European surgeons during the Napoleonic campaigns in Egypt when soldiers brought the disease back to Europe. Its spread was fuelled by the crowded, unhygienic living conditions during the Industrial Revolution.

→ By the end of World War II, trachoma had disappeared from most developed countries, but persists today in the poorest regions of the world such as Africa, Asia, Central

and South America, Australia and the Middle East.

→ The word Trachoma means 'rough eye'. After years of repeated infection, if left untreated, scarring of the eyelid can occur when the eyelid turns inward and the lashes rub on the eyeball. This can lead to visual impairment and, in severe cases, blindness.

→ Trachoma today affects about 84 million people, leading to visual impairment in over 8 million and blindness in over one million.

→ The infectious agent causing the symptoms of the disease was first visualised in 1907, and the bacteria isolated in Peking by T'ang in 1957.

**It took just one hour to train local health workers to carry out the tests which were then evaluated in a village 'office' without electricity or running water**

Tanzania, the test was shown to have 97% accuracy in diagnosing the infection. This compared with only 47% accuracy when diagnosis relied on purely visual checks. It took just one hour to train local health workers to carry out the tests which were then evaluated in a village 'office' without electricity or running water, using makeshift lab benches.

Trachoma is an infectious disease of the eye caused by the bacterium *Chlamydia Trachomatis* and is spread by the bazaar fly, particularly in areas of poor sanitation and crowded conditions. Of the 84 million people world-wide requiring treatment, the WHO estimates that 90% of cases are in the developing world, often striking the most

→ For more stories about breakthroughs in the sciences and the arts by Cambridge researchers go to [www.admin.cam.ac.uk/news](http://www.admin.cam.ac.uk/news)



vulnerable members of communities. The infection has led to blindness in more than one million people.

Once diagnosed trachoma can be simply treated with the antibiotic azithromycin. Current treatment focuses on mass treatment of suspected infected communities with azithromycin, repeated at intervals. However, this can result in many people being repeatedly given the drug unnecessarily. What is more, the amount of azithromycin pledged by the manufacturer Pfizer is not sufficient to treat everyone living in endemic communities.

Professor Mabey of the London School of Hygiene and Tropical Medicine who was a collaborator on the trial said: The test is an

important advance in the fight against trachoma. The new test will enable programme managers to find out for themselves which communities still harbour the infection, and thus to focus treatment.”

The team at Cambridge is being led by Dr Helen Lee of the Department of Haematology. Dr Lee has set up a spin out company, Diagnostics for the Real World, whose goal is to improve health in resource-poor settings by developing badly needed diagnostic tests for a range of neglected diseases. Equity holders in the company include scientists in her group, the University of Cambridge and the Wellcome Trust.

## OTHER RECENT FINDINGS

### Literature and psychoanalysis

→ **Department: Centre for Research in the Arts, Social Sciences and Humanities (CRASSH)**

A new book has been published by the Director of CRASSH, Professor Mary Jacobus. *The Poetics of Psychoanalysis* explores the literary aspects of the 20th century psychoanalytic tradition that has come to be known as British Object Relations psychoanalysis. It focuses on Melanie Klein's legacy to psychoanalysis between the 1930s and 1970s. Jacobus breaks new ground by giving a central place to the literary and aesthetic concerns of the British Object Relations tradition. *The Poetics of Psychoanalysis* argues against the separation of British and continental traditions and for the continuing links between psychoanalysis and aesthetics.

### Progress on joint replacements

→ **Departments: Materials Science and Metallurgy/ MIT/CMI/Cambridge Enterprise**

A revolutionary technology to reduce the need for joint replacement surgery has been developed by a team led by Professor William Bonfield (Department of Materials Science and Metallurgy) and Professor Lorna Gibson (MIT). New sponge-like 'tissue scaffolding' guides and supports the body's natural repair mechanisms, encouraging cartilage, ligaments or tendons to regenerate concurrently with the bone which anchors them in place. The technology allows patients to either postpone joint replacement surgery until their first implant can last the rest of their lives, or avoid it altogether. An

exclusive licence has been signed by CMI and OrthoMimetics Ltd – the first technology company to emerge from the collaboration between Cambridge and MIT – to commercialise the products.

### Birds act like spies

→ **Department: Experimental Psychology**  
Cambridge experimental psychologists have found that western scrub-jays use counterespionage tactics to protect their food from competitors. Drs Joanna Dally and Nathan Emery and Professor Nicola Clayton have discovered that the western scrub-jay (a relative of the raven) remembers which individual birds watched them when they were hiding their food, and uses this information to decide how and which caches of food to protect. Dally and colleagues caution that these newly discovered abilities do not necessarily require a human-like theory of mind. They do say that the behaviour must be the result of learning 'conditional rules'.

### Milky Way is a 'cannibal'

→ **Department: Institute of Astronomy**  
Our galaxy, the Milky Way, grows by 'cannibalising' smaller galaxies say researchers at the Institute of Astronomy. They have used the major project, the Sloan Digital Sky Survey II (SDSS-II), to trace the trails of stars left behind by the Milky Way. These show that, as galaxies orbit the Milky Way, their stars are torn off by the massive, gravitational forces of the Milky Way. The stars spiral inwards leaving the night sky criss-crossed with their streams. SDSS-II researchers Vasily Belokurov and Daniel Zucker captured a new image of this, named the 'Field of Streams'.

# PRIZES AWARDS & HONOURS

## Seven Cambridge Fellows of the Royal Society 2006

SEVEN CAMBRIDGE scientists have been elected to the Fellowship of the Royal Society. The Royal Society is the world's oldest scientific academy and has been at the forefront of discovery since its foundation in 1660. The backbone of the Society is its Fellowship of eminent scientists, elected by peer review for life and entitled to use FRS after their name.

They are:

→ **Professor Andrew Hopper**, Professor of Computer Technology, is a world leader in computer network design and mobile computing. His vision of 'sentient computing', involving the movement of people and sensors, has widely inspired academic research.

→ **Professor Richard James Jackson**, Professor of RNA Biochemistry, he is distinguished for his contributions to understanding the mechanism and regulation of initiation of eukaryotic messenger RNA translation. He co-discovered the regulation of translation initiation via phosphorylation of a translation initiation factor.

→ **Professor Ruth Marion Lynden-Bell** of the Cambridge University Centre for Computational Chemistry is the only woman from Cambridge to be elected this year. She is an Emeritus Professor at Queen's University Belfast and Emerita Fellow of New Hall. Her research has involved using computers to model liquids, solutions and surfaces. Currently her main interests are understanding the properties of room temperature ionic liquids and those of water.

→ **Lord Browne of Madingley**, a Cambridge graduate and chairman of the Judge Business School's Advisory Board, is Group Chief Executive of BP plc and is distinguished for his application of science, particularly of earth science, to the transformation of a major UK company, BP, and thus improving peoples' way of life, also for his leadership of the climate debate.

→ **Professor Michael Richard Edward Proctor**, Professor of Astrophysical



The eleven Pilkington prize winners

MIKE CAMERON

Fluid Dynamics in the Department of Applied Mathematics and Theoretical Physics, is recognised for his contributions to nonlinear convection theory and to the understanding of fluid dynamos. With WVR Malkus, he was the first to elucidate the so-called Malkus-Proctor-effect and showed that appropriate scaling for geomagnetic equilibration is independent of viscosity.

→ **Professor Austin Gerard Smith**, MRC Professor at the Institute for Stem Cell Research at the University of Edinburgh and Chair of the Institute for Stem Cell Biology at the University of Cambridge, has carried out path-breaking work on the mechanisms of self-renewal and lineage commitment in mammalian pluripotent embryonic stem cells.

→ **Professor Nicholas Ian Shepherd-Barron**, Professor of Algebraic Geometry, is one of the world's leading algebraic geometers. He has had a major impact on classification of higher dimensional varieties and provided remarkable solutions to deep and difficult problems across a broad range of topics in algebraic geometry and number theory.

## Eleven lecturers rewarded for teaching excellence

ELEVEN University of Cambridge lecturers have been recognised for their excellence in teaching, at an award ceremony for the 2006 Pilkington Prizes earlier this month. All have made outstanding contributions to teaching in their departments. Their work has had an impact not only on students at the

University, but other students, international colleagues and school pupils. Between them, they have helped bring to life everything from French Medieval literature to complex molecular structures.

→ **Christine Counsell** of the Faculty of Education

→ **Dr David Pyle** of the Department of Earth Sciences

→ **Allan McRobie** of the Department of Engineering

→ **Dr Keith Johnstone** of the Department of Plant Sciences

→ **Dr Nicholas Bullock** of the Department of Architecture

→ **Dr William Burgwinkle** of the Department of Modern and Medieval Languages

→ **Dr Nick Hopwood** of the Department of History and Philosophy of Science

→ **Dr Mark Arends** of the Department of Pathology

→ **Dr John Benson** of the School of Clinical Medicine

→ **Dr William Nolan** of the Department of Chemistry

→ **Dr Philip Stiles** of the Judge Business School

The Pilkington Prizes were set up by the late Sir Alastair Pilkington, former Chairman of the Cambridge Foundation. The prizes are supported and hosted by Cambridge University Press, and are awarded annually by the Vice-Chancellor, Professor Alison Richard.

## OBEs go to Frances Sword and Professor Andrew Fabian

THE HEAD OF Education at the Fitzwilliam Museum and an eminent University astronomer have both been honoured with an OBE in the 2006 Queen's Birthday Honours List. Frances Sword has worked at the Fitzwilliam Museum for 20 years, creating an award-winning education service. Professor Andrew Fabian FRS (1996) has been a Royal Society Research Professor at the Institute of Astronomy since 1982, researching clusters of galaxies, accreting black holes and other topics in X-ray astronomy.

## OTHER AWARDS



The Girton Library, which has won a 2006 RIBA award, succeeds in integrating an uncompromising modern style into a neo-Gothic setting

→ **Physical sciences: Professor Michael Kelly** of the Centre for Advanced Photonics and Electronics (CAPE), Department of Engineering, has been awarded the Hughes medal by the Royal Society. His research advanced the physics of tunnelling and hot electron injection in semiconductor multilayers, leading to two new generation microwave devices now in production. The medal is awarded annually for an original discovery in the physical sciences.

→ **Chemistry: Professor Jean-Pierre Hansen**, Head of Theoretical Chemistry, has been awarded the Rumford Medal by the Royal Society. The Rumford Medal is awarded biennially in recognition of an outstandingly important discovery in the field of thermal or optical properties of matter. It recognises his pioneering work on molten salts and dense plasmas which has led the way to a quantitative understanding of strongly correlated ionic liquids. Previous recipients of the medal include Louis Pasteur.

→ **Science and the media: Dr Jonathon Wood** Dr Wood, a Cambridge PhD graduate in Physics, won FameLab 2006, an event where young scientists from across the UK present their research in front of a TV audience. He beat 150 other young scientists to become the best new talent in science communication. He won the crowd using comic book hero Spiderman to discuss the strength of spider's silk.

→ **Environment: Dr David Aldridge** won a prize at the prestigious World Bank Development Marketplace. Grants of up to \$200,000 go to innovative solutions to environmental and energy problems across the world. Out of 118 finalists, Dr Aldridge won a grant for his idea



Lynn Gladden



Professor Lord Renfrew



Steven Ley



Petra Geraats

of using pearl mussels to purify polluted water in China.

→ **All fields: Professor Patrick Bateson and Professor Colin Renfrew** Two leading Cambridge academics have been honoured with membership to the American Philosophical Society. The society, founded in 1743 by Benjamin Franklin, promotes knowledge by supporting research and innovators in all fields of study. Famous members include George Washington, Albert Einstein, Charles Darwin and Louis Pasteur.

→ **Materials science: Alex Mischenko** PhD student Alex Mischenko has won the Royal Institution's Graduate Student of the Year competition for his presentation on materials science. Out of the 140 applicants he won the award which includes a life membership to the Royal Institution.

→ **Chemical engineering: Professor Lynn Gladden** The Engineering and Physical Sciences Research Council (EPSRC) has appointed Professor Lynn Gladden to its governing council. Professor Gladden is currently the Shell Professor of Chemical Engineering at the University of Cambridge.

→ **Architecture: Girton College and Archive**, designed by Allies and Morrison, is one of two new buildings in the East of England to be given a 2006 Royal Institute of British Architect (RIBA) Award. The jurors praised the "extraordinarily difficult piece of integration into a neo-Gothic setting" of the building, which has been carried out in uncompromisingly modern style. Other new Cambridge buildings shortlisted included the Faculty of Education on Hills Road, the Institute of Criminology on the Sidgwick Site and the Plant Growth Facility at the Botanic Garden.

→ **Organic chemistry: Professor Steven Ley** Cambridge Professor of Organic Chemistry Steven Ley has received the prestigious Nagoya Gold Medal Award for 2006. The Nagoya Medal Prize is awarded each year to an organic chemist whose research has been both original and significant. This is the first time the award has been made to a British chemist working in the UK.

→ **Economics: Dr Petra Geraats** of the department of Economics received the Klaus Liebscher Award 2006 for her paper *The Mystique of Central Bank Speak*.

→ **Biophysics: Dr McMahon** Dr Harvey McMahon of the MRC Laboratory of Molecular Biology has won the 2006 Raymond and Beverly Sackler International Prize in Biophysics. The prize recognises his seminal contributions to the discovery of structural mechanisms of clathrin-mediated endocytosis, a process crucial for a broad range of vital cellular functions.

→ **Safety: University's Health and Safety Division** University's Health and Safety Division was a top contender in a national competition run by *Building Magazine*. It was chosen as one of five finalists for employers' commitment to safety, being beaten by BAA.

The Health and Safety Division employs a staff of 24 people who together have more than 100 years of expertise. The division prepares University safety policy, directs its strategy, and advises senior personnel on health and safety. Its website receives around 40,000 hits a month. "We cover everything from accidents to zoonoses [animal diseases communicable to humans]," said Sara Cooper, the Department's Director.

# PEOPLE

## PEOPLE COMING

### Sir Alan Wilson becomes Master of Corpus Christi

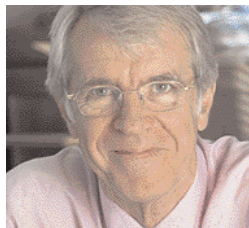
IN SEPTEMBER, Professor Sir Alan Wilson, the Director General of Higher Education, will become Master of Corpus Christi College, succeeding Professor Haroon Ahmed. An outstanding academic, Sir Alan is a mathematician with a passion for widening access to higher education, who has been adviser to Ruth Kelly and Charles Clarke in the government.

He studied Mathematics at Corpus Christi, worked at the Rutherford Laboratory, then moved on to the University of Oxford's Institute of Economics and Statistics, then to Head of the Mathematical Advisory Unit at the Ministry of Transport in London. As Professor of Urban and Regional Geography at the University of Leeds, he developed an international reputation. In 1991 he was appointed Vice-Chancellor of Leeds.

A passionate supporter of widening opportunities, Sir Alan collaborated with Sir Roger Ogden to launch a scholarship scheme to help children from disadvantaged areas of South Yorkshire stay in education. The scheme was a precursor of the Government's Education Maintenance Awards.

Sir Alan was appointed first Director General for Higher Education in 2004. He was key adviser to Charles Clarke and then Ruth Kelly, and has played an important role in the government's drive to widen participation in higher education.

He was elected to the Fellowship of the Royal Academy in 1994, knighted in 2001 and made a Fellow of the Royal Society in 2006. "There is no greater honour than to be invited to be Master of one's old college," said Sir Alan. "I accepted



"There is no greater honour than to be invited to be Master of one's old college" Sir Alan Wilson

### Ross Harrison elected Provost

KING'S COLLEGE is delighted to announce the election of Professor Ross Harrison as the College's next Provost. He will take up office this autumn. Professor Harrison is a Fellow of King's, and in the past has served both as Director of Studies and Admissions Tutor in the College.

Professor Harrison is a philosopher who has taught in Cambridge (where he was also Chair of the Faculty of Philosophy), Bristol, Berkeley (California), and most recently University College London. He has worked in several branches of philosophy; his most recent major publication is *Hobbes, Locke, and Confusion's Masterpiece* (CUP 2003).

The Acting Vice-Provost, Peter Jones, says of Harrison's election: "Ross brings both academic distinction and proven powers of leadership."

### EMBS gets new Director

MICHAEL BIENIAS has been appointed Director of the University of Cambridge Estate Management and Building Service (EMBS), succeeding David Adamson who has gone to work for central government. He heads a team of almost 250 staff responsible for the upkeep of more than 300 buildings and a variety of major building projects. EMBS is currently involved

in development projects to the tune of around £600 million.

Formerly Deputy Director and Head of Major Projects at EMBS, Bienias has overseen a number of key developments, including the first stages of the implementation of the West Cambridge Master Plan.

Bienias is a qualified architect and landscape architect. He was Chief Architect at Cambridge City Council for seven years before joining the University in 1996. "The priority is to ensure sustainability of the



Michael Bienias

University estate, financially as well as environmentally," he said. "It is vitally important that the University continues to make a significant and positive contribution to the architecture of Cambridge."

Educated at Swavesey Village College, Bienias studied at the Oxford School of Architecture and Manchester University. He is a Fellow of Wolfson College, Cambridge, a Governor of Swavesey Village College, and a Board Member of the King Street Housing Society.

## PEOPLE GOING

### Technician retires after 46 years

PETER BARLOW retired in March 2006 from the Department of Zoology after 46 years of service. His long career in the department began when he came as a student technician on day release, and finished in the role of Principal Assistant. Over the years he carried out a huge variety of tasks to support the study of animals, ranging from the behaviour of worms to that of crabs and fish.

Early in his career his head of department noted: "Barlow is 20. He is by far and away our brightest boy and the best spec for the future that we have." According to Professor Malcolm Burrows, current head of department: "This was a prescient assessment even if the language used seems from a distant age."

Barlow took on a series of growing responsibilities over the years. He was promoted to Assistant in Charge, then to Senior Laboratory Technician, then Group Assistant for the Neurobiology research group. In 1989 he



Peter Barlow

was appointed to the position of Principal Assistant, the department's senior assistant staff position. Peter's outstanding ability to fulfil technical and administrative responsibilities has always been evident. He was also particularly known for showing a concern for students as individuals.

In wishing him well in retirement, Professor Burrows commented: "Peter's sense of duty and loyalty to the department are unsurpassed. His huge knowledge of, and commitment to, the department will be much missed."

# ADVERTISEMENTS

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### → Cambridge, Trumpington

Modern, 3 bedroom, terrace house to let in Trumpington. Unfurnished or partly furnished. Gas central heating, UPVC double glazing, Kitchen/diner with patio doors. Large living room. Small back garden. Garage. Quiet cul-de-sac location. Easy access for Addenbrookes, City and M11. Available mid/end August. Rent: c.£900 per month Contact: *Dr Kate Wilson, work 01223 763362, home 01480 392791 or [caw37@cam.ac.uk](mailto:caw37@cam.ac.uk)*

### → London WC1

1 bed flat in portered block, available for short lets. 4 minutes walk from British Library: get a seat before the crowds. Rent £250 pw. Contact: [jkc20@cam.ac.uk](mailto:jkc20@cam.ac.uk) or 01223 361923

### → North Yorkshire Coast

Comfortable, well-equipped Georgian house to let in Robin Hoods Bay. Garden, sea views, central heating and private parking. Sleeps up to 7. Contact: *Val Everton on 01223 515970.*

### → North Yorkshire Moors

Cottage in Low Mill, Farndale, with sitting-, dining- and play room, kitchen, 4 beds, 2 baths and garden with lovely views. Sleeps 7. All mod cons. Fabulous walks in all directions. Near Rievaulx, Castle Howard, Runswick Bay. £340/week. Contact: *Horace or Miranda Barlow on 01223 366618/333813 or [hbb10@cam.ac.uk](mailto:hbb10@cam.ac.uk)*

### → France, Chamonix

New high quality apartment situated in the French village of Les Houches in the Chamonix valley. Good for all types of activity holidays summer and winter, situated at the bottom of a ski lift. See [www.apartmentkandahar.com](http://www.apartmentkandahar.com) for more details Contact: [semc2@medschl.cam.ac.uk](mailto:semc2@medschl.cam.ac.uk)

### → France, Nice

Quiet two-room apartment in centre of Nice. Sleeps 2 in db + 2 on sofabed. 10 minutes from airport and short walk from lovely beach. Frequent flights from Stansted. Contact: *Robin Spence on 01223 312254 or [rspence@carltd.com](mailto:rspence@carltd.com)*

### → France, Poitou-Charentes

La Sauvagère, a beautiful recently renovated, traditional French 1800s

farmhouse in the countryside of Poitou-Charentes region of sunny SW France. Set in 3 acres peaceful gardens, open paddocks and orchards. Main house offers 3 en-suite, spacious rooms on a B&B basis, and attached to the main house is a 2 bedroom s/c gite. For holidays or short breaks, couples, families of 4 or parties of up to 10. Contact: [www.2binfrance.com](http://www.2binfrance.com)

### → France, Pyrenees

Two traditional stone houses, 850m, wonderful views (Chateau de Montsegur). Ideal for walking and relaxing. From £200 p.w. 1.5 hours from Carcassonne. Contact: *Tel 0033561013046 for photo's and info*

### → Italy, Rome

Luxury apartment, 5th floor, vast terrace, air conditioning, near British School available for weekly rentals. £300 per week or £1,000 per month. Pictures and fuller description available on request. Contact: [car37@cam.ac.uk](mailto:car37@cam.ac.uk)

### → Italy, Umbria near Perugia

Three independent stone farmhouse cottages with stunning views and tranquil position, sleeping 2, 4, 4. Magnificent hillside setting near Perugia. 15m pool. Available for weekly or long-term lets during winter months and weekly during the summer months. See [www.casasangabriel.com](http://www.casasangabriel.com) Contact: *Carol Todd on [cjt24@cam.ac.uk](mailto:cjt24@cam.ac.uk)*

### → Spain, Barcelona

2 bed apt, sleeps 6 with balcony overlooking swimming pool available for short lets. Prices from £55 per night. Contact: *Mary Aldridge, [mea@eng.cam.ac.uk](mailto:mea@eng.cam.ac.uk) or [www.barcelonabeach.com](http://www.barcelonabeach.com).*

### → Spain, Galithia

Explore this historic and beautiful region of Spain bordering Portugal. Self catering accommodation sleeps up to 7 in owner's traditional style cottage. Use of 10m pool. Visit ancient towns. Three golf courses within 45 minutes. Contact: *paulballard77@hotmail.com or [www.galithiaadventures.co.uk](http://www.galithiaadventures.co.uk). Tel 0034 647233474*

## FOR SALE

### → Adult tricycle

Custom-built, 26" wheels, child seats. Sturdy and safe transport for parent and two toddlers. £100. Contact: *Kate Graham 01223 249088 or [kag1000@cam.ac.uk](mailto:kag1000@cam.ac.uk)*

### → Cottage in Lot, France

Restored stone cottage with swimming pool and stunning views across vineyards. Bergerac and Toulouse airports approximately 1.5 hours away. Master bedroom with dressing room and en-suite shower, 2 beds, bathroom, lounge/diner, and kitchen. Contact for further details. Contact: [hjs27@cam.ac.uk](mailto:hjs27@cam.ac.uk)

### → MG Midget

Due to imminent move, 1972 MG Midget with full MOT for sale. A good runner with new additions, including: full set of tyres, new hood, clutch system etc. Good quality maintenance and serviced regularly. Road tax exempt and owner can usually benefit from a very good deal on insurance and breakdown cover from the MG Owners Club. £3,400 ONO Contact: *Tom Kendon on 07971242933 / 01223 840738 or [kendon.t@cie.org.uk](mailto:kendon.t@cie.org.uk) or [tomkendon@gmail.com](mailto:tomkendon@gmail.com)*

### → Penthouse, Spain

Luxury 2 bed penthouse in Mar de Cristal, Costa Calida, Spain. Fully furnished inc. white goods, air conditioning, and terrace with patio furniture, solarium roof with sun loungers and secure private parking - EUR195,000. A mortgage is also available - subject to approval. Further information available. Contact: *Val 01223 564034 or Dave 00 34 686 394 916*

### → Treadmill

Do you want to exercise? Excellent if you want to exercise without leaving your house. The Horizon treadmill has pulse measurement, heart rate control and 8 present programs. 1 year of use. Treadmill folds into a vertical position and fits in any space. Less than half purchase price! Contact: *Vania 01223 767050 or [vac29@cam.ac.uk](mailto:vac29@cam.ac.uk)*

### → Volkswagen Jetta GX

1991 (J). Recently serviced, 93,000 miles, 10 months MoT, 4 months tax. £550. Contact: *Will Graham; 01223 249088 or [wrg11@cam.ac.uk](mailto:wrg11@cam.ac.uk)*

### → Triumph Spitfire 1500

1979 white overdrive. Good condition, new hood and exhaust, unleaded conversion, loads spent. Tax and MOT. Genuine reason for sale. £3,000. Norfolk. Contact: 07801 462027

## VOLUNTEER

### → Free accommodation for research

Healthy non-smoking volunteers needed for a 7-week study on food starting 26 July. Participants can follow their usual occupation but must live in at the volunteer suite in the MRC Dunn Human Nutrition Unit on the Addenbrooke's site. Volunteers receive free accommodation in own en-suite room; all food provided plus payment of £10 per day with an additional £30 payment for completing the study. Contact: *The MRC Dunn Human Nutrition Unit volunteer suite on 01223 252740 or [email diet-studies@mrc-dunn.cam.ac.uk](mailto:email.diet-studies@mrc-dunn.cam.ac.uk)*

### → Pregnant?

Are you expecting a baby between December 06 and early March 07? Would you be interested in taking part

in 'Preparing for Patients D', a programme for third-year medical students who visit and talk with women at home to learn about women's experience of pregnancy and childbirth? Contact: *Joanna Griffiths, [jg239@medschl.cam.ac.uk](mailto:jg239@medschl.cam.ac.uk) or 01223 586643*

### → USSC Anglers

Private fishing on the River Cam and Bourn Brooke at Cantelupe farm, Grantchester is available to USSC members (University card holders, etc) £11 for the season, non-members £12, concessions £6. Include the Fen Drayton fishery comprising the Great Ouse, Holywell Lake, Holywell pond, and Swavesey Lake for an extra £8 (optional). Season tickets are available from the USSC, Mill Lane, Cambridge, ([www.ussc.cam.ac.uk](http://www.ussc.cam.ac.uk)). Contact: *Mark Leach [mal@mole.bio.cam.ac.uk](mailto:mal@mole.bio.cam.ac.uk)*

### → Volunteer in Mexico/India/plant trees in Africa?

Non profit making company working on conservation projects in rain/cloud forests in South and Central America/ humanitarian projects in India/ planting trees in Africa needs volunteers, sponsors or even kind benefactors! Ideal for gap year or even a break from the office! Take a look at the webpage <http://www.down2earthdown2us.org> Contact: [helensd@gmail.com](mailto:helensd@gmail.com)

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An established Cambridge-based service, Academic Transcriptions specialises in the transcription of recorded interviews, lectures, seminars and conference proceedings for academics and researchers. Also research-related data processing tasks and secretarial services. See [www.academictranscriptions.co.uk](http://www.academictranscriptions.co.uk) Contact: *01223 872291 or [susan.barnard1@btinternet.com](mailto:susan.barnard1@btinternet.com)*

### → House and pet sitting

House and pet sitting in or near Cambridge, by professional woman. Refs available. Contact: *01954 252860 or [kejc2@cam.ac.uk](mailto:kejc2@cam.ac.uk)*

### → Legal services

Michaela Overton, Fellow of the Institute of Legal Executives, offers 10% discount on all usual fees; wills, probate assistance, powers of attorney. Unit 8 William James House, Cowley Road, Cambridge. Contact: *01223 395533 or [michaela.overton@virgin.net](mailto:michaela.overton@virgin.net)*

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# WHAT'S ON



→ You can find more details about all events below and full listings in the *What's On* brochure. This lists all University events open to the public. To submit an event email [publications.office@admin.cam.ac.uk](mailto:publications.office@admin.cam.ac.uk)

## TOP TWO SUMMER EVENTS

### 1. Lines of Enquiry at Kettle's Yard

Even in our hi-tech age, sometimes grabbing a pen and paper is the only way to explain yourself. *Lines of Enquiry* is a fascinating show at Kettle's Yard over the summer. It is all about drawing, not by expert draftsmen or artists, but drawings by 'thinkers' – all of whom have used drawing in some way to help them think. Many of the contributors have a connection with the University. Exhibits range from Tariq Ahmad's drawings for plastic reconstruction surgery, Richard Seymour's 360° drawing of Piccadilly Circus and Sir Roger Penrose's

reformulations of Einstein's relativity equation, to Sir John Sulston's human genome explorations.

**Kettle's Yard, until 17 September**

### 2. Jools Holland concert in aid of autism

Musician Jools Holland is hosting a concert performed by people with autism and Asperger's Syndrome. Performers range from a seven-piece band, a 13-year-old classical cellist and the talented, blind jazz pianist Derek Paravicini. There is also an auction of art, with work by 20 artists. The event is being



John Sulston's jottings of the cell lineage of the nematode worm, 1980.

organised by the Autism Research Centre (ARC) at the University of Cambridge to raise funds for their research into autism. Around 535,000 people have an autism spectrum condition in the UK, a term for a range of conditions that share characteristics, such as difficulties in social interaction and unusually strong, narrow interests. Around 40% of children with autism wait more than three years for a clear diagnosis. The ARC works to improve the understanding of autism. For tickets call 01234 328330 or see [www.arc-conference.com](http://www.arc-conference.com)  
**West Road Concert Hall, Sunday 17 September**

## OTHER HIGHLIGHTS

### For children

#### Make 3D art from scrap metal.

Workshop for 5-8 year olds at Kettle's Yard. **2 August**

**Be a dinosaur detective...** A family day of fossil crafts and activities at Sedgwick Museum of Earth Sciences. **19 August**

#### Cool off with Antarctic Volcanoes

Find out about Antarctica at the Museum of Zoology's 'Antarctic Summer'. **Until 23 September**

### Art and culture

#### See intricate woodcuts by Albrecht

**Aldorfer.** These finely wrought prints are on display at the Fitzwilliam Museum. **Until 5 November**

#### Be enthralled with a visual account

of life 'Due South'. John Kelly's drawings and photography reveal his experience of Antarctica at the Museum of Zoology. **Until 23 September**

#### Turn botanical plants into beautiful

prints at the 'Printing with Plants' two-day workshop at the Botanical Gardens. **23 and 24 September**

**Travel the world with Cambridge museums,** and win a prize. Pick up the 'Travel the World' sheets from any Cambridge museum this summer and visit them all to win! **Call Liz Hide on 336684 for details.**

**For charity** Join over 2,500 people on the Bridge the Gap Charity Walk. The walk around the city and colleges will raise money for charity. Starts Jesus Green. **10 September**

### Music

**See how the University Bells are rung** at demonstrations of 'change ringing' at Great St Mary's Church. **Until 30 July**

**Hear the world renowned Albeni**



The Britten Sinfonia performs Beethoven on 28 September

#### Quartet perform at Madingley Hall.

Works by Mozart, Beethoven and Brahms. **23 July**

### Lectures

#### Art, science, theatre and history at the summer plenary lectures.

Contact the Institute of Continuing Education on 01954 280280 for further details.

#### Globalisation and Chinese

literature Wang Ning, from the Tsinghua University, Beijing, will speak at on 'Globalization and Current Chinese Literary & Cultural Studies'. At CRASSH, 17 Mill Lane, Cambridge. Open to all. **5pm, 25 September**

#### Book ahead for...

**Britten Sinfonia** This top orchestra performs Beethoven's piano concertos 1 and 2 at the Cambridge Corn Exchange. West Road. **28 September**

## I NEVER KNEW THAT...



### What is the origin of being given 'the wooden spoon'?

At Cambridge a wooden spoon used to be awarded every year to the man who came bottom in the Mathematical Tripos. The spoon was a glorious thing, about five feet long, painted with the arms of the winner's college, his name and the

date. It was lowered from the gallery in the Senate House as he went forward to be awarded his degree. Sadly the spoon is no longer awarded but the expression is still around.

### Why is a blazer called a blazer?

The answer is here in Cambridge, as is the case for many words and

expressions now in general use in the English language. The Lady Margaret Boat Club was founded in 1825 by St John's College. It was the first University Club to wear boating jackets in college colours, and the St John's colour was bright red. As a result the jackets became known as blazers.