

COMMENT

THE COLLEGE NEWSLETTER

ISSUE NO 142 | OCTOBER 2002

Skin cream could save millions

Millions of people suffering from disease in the third world will be helped thanks to a simple cream developed at King's.

Scientists led by Professor Phil Whitfield, Head of the School of Health & Life Sciences, have made an important advance in controlling a disease that afflicts over 200 million people in 74

Inexpensive and easy to produce

countries. The disease, schistosomiasis, is also known as Bilharzia and is caused by the skin-penetrating larvae, *cercariae*, of parasitic worms, schistosomes, found in contaminated water.

Although a safe and effective drug is available to treat Bilharzia, it does nothing to prevent re-infection with the parasite. This cream is inexpensive and easy to produce, and works by acting as a barrier to prevent the worms from penetrating skin and infecting people. This could form a key part of a strategy to control the disease.

In their study, published in the *Journal of Parasitology*, the researchers used human skin

donated by plastic surgery patients to test how well a barrier cream formulation, produced by Pharmacy's Dr Marc Brown and Professor Chris Marriott, protected the skin against penetration by *cercariae*. Rebecca Ingram, a PhD student in the research group, found a single application gave a high level of protection for at least 48 hours.

Professor Whitfield commented: 'This is exciting research that may help in alleviating the suffering from a disease that affects millions of people in some of the world's poorest countries.'

'Using techniques originally developed to study the movement of drugs across skin, we tested the effects of a specially formulated barrier cream to see if it could stop the parasitic worms. We found that the cream stopped more than 95 per cent of the worms from penetrating the skin, and this effect lasted for up to 48 hours with a single application. That's a fantastic level of protection from such a simple treatment.'

'The discovery is a useful step toward controlling the threat of the disease in those parts of the world where it poses a major health hazard. However, it's not a cure by itself. The cream would



Knightly pursuits: the critically acclaimed *Warrior School* television series in which ordinary people learn the art of ancient combat is presented by Professor David Carpenter of the Department of History. See page 9.

have to be used in conjunction with other measures such as drugs, snail control and improvements in sanitation and health education.'

Infection occurs when skin is

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KING'S
College
LONDON

University of London

New courses

First joint international degree launched

A taught MSc in Construction Law & Arbitration will be offered by King's and the National University of Singapore (NUS) from July 2003.

This is the first time that the College has offered a degree which is awarded jointly by King's and another university, and it is believed to be the first truly international teaching programme at MSc level in construction law anywhere in the world.

First international MSc in Construction Law

This new programme will unite the long experience of the Centre of Construction Law at King's and the innovative and internationalist approach of the Department of Building at NUS

to create a programme in a region which until now has no Masters-level English-language programmes in this field.

Philip Britton, Director of the Centre of Construction Law, said: 'Innovation is inseparable from risk-taking. But we are convinced that we must think and act internationally. What better base geographically, economically and educationally for our first co-operative teaching venture than Singapore and NUS? We believe that the new programme will be a marriage of the differing but complementary strengths of the two partners and look forward to all the challenges of the new programme and to welcoming our first students in July 2003.'

The new degree will be a true joint venture. Both partners will contribute to every aspect of the programme, and academic staff



Left to right: Professor John Uff QC, Nash Professor of Engineering Law and founding Director of the Centre; Philip Britton, Director of the Centre; Dr Lam Khue Poh, Associate Professor and outgoing Head of Department of Building, NUS; Professor George Ofori, Head of Department of Building, NUS, signing the final proposal for the agreement setting up the new joint MSc in Construction Law & Arbitration in the Centre's library.

from King's will visit Singapore for intensive periods of teaching. Students will come to London for a study visit between their first and second years.

Mr Britton explained: 'The programme is intended for those already professionally linked with construction in Singapore or the neighbouring region, for

example architects, engineers, project managers, surveyors or lawyers who wish to increase their understanding of the role law plays in the process of infrastructure development.'

Students will study part-time over two years in parallel with their normal professional responsibilities.

Drug discovery

Some of the world's leading pharmaceutical companies are providing student bursaries for the College's new MSc in Drug Discovery Skills. Ten bursaries a year for three years will be available.

Pharmaceutical companies are providing student bursaries

The programme, beginning this term, is the only one of its kind in the UK. Dr Alan Gibson, the MSc Co-ordinator said: 'The aim of the programme is to equip graduate students with value-added skills that will enhance their understanding of, and technical expertise in, the drug discovery process.'

He continued: 'The maximum size of the class will be 20, allowing greater concentration on the development of practical skills and information/data handling. Identification of the appropriate skills has been facilitated by discussions with the pharmaceutical industry.'

The MSc has been developed as part of the College's commitment to the Higher Education Reach Out to Business and the Community (HEROBC) initiative. Dr Malcolm Sims, Managing Director of KCL Enterprises, commented: 'The involvement of GlaxoSmith-Kline, Pfizer and Pharmacia, and their contribution of significant funds to provide student bursaries, is a testament to the relevance of the course in meeting pharmaceutical industry needs.'

Culture club

Unique training to manage cultural organisations started last month at King's. The new MA Cultural & Creative Industries, the only one of its type in the UK, has been established for graduates who wish to follow a career in arts administration, running art galleries, museums or working with digital culture.

Professor Alessandro Schiesaro, Deputy Head of the School of Humanities, said: 'This MA is part of the School's long-term strategy of building links with the cultural operators in central London. It began with collaborations with RADA and RAM in programmes designed to educate the 'thinking practitioner'. It has developed through the MA Visual &

Performing Arts, which is designed to educate the 'thinking audience'. Now this MA, with the MA Digital Culture & Technology, will provide education for those working in the cultural industries.'

The course was set up because it was felt that there was a shortage of graduates with the appropriate combination of an arts background and the business acumen needed to run top cultural institutions.

The core element of the MA is a course that examines the role, context and funding of the cultural industries and will be taught by Philip Dodd, Director of the Institute of Contemporary Arts (ICA). This is supported by two other courses in management and in visual culture. King's Dr Rosemary Barrow will be the programme co-ordinator.

Graduation Ceremonies

Seven very successful graduation ceremonies were held over the summer: four at the Royal Festival Hall on the Southbank, and two medical presentation ceremonies and one dental presentation ceremony at Southwark Cathedral.

The number of graduating students was 2,000 at the Royal Festival Hall and 450 at Southwark with a combined number of 8,600 guests. During the ceremonies the two Honorary Fellows and eight of the Elected Fellows were presented.

Also at one of the Ceremonies a new prize was awarded to commemorate the lives of five King's Life Sciences students: Ian Boatswain, Remi Dawodu, Vivienne Igesi, Samuel Imaga and Jamini Kara. A few weeks after they graduated in 1998 they were killed in a car crash while on holiday in Spain. Each year from now on their names will be remembered as the prize is awarded. This year it was won jointly by third years Kathryn Sharp and Natalie Wookey.

Continued from page 1

exposed to contaminated water containing water snails carrying the *cercariae*. These parasites then penetrate the skin, grow and develop into adult worms, and live in the blood vessels of the gut or bladder where they produce eggs. Some of these eggs pass into the urine or faeces and water becomes contaminated.

Within days after becoming infected, people develop a rash. This may escalate to fever, chills, cough and muscle aches. However, the eggs travel around the body and for people who are heavily or repeatedly infected for many years, the parasite can damage the liver, intestines, lungs, bladder and even the brain or spinal cord.

Biomedical Sciences £10m

The Guy's, King's & St Thomas' School of Biomedical Sciences is to play a central role in two major research programmes, each receiving over £5 million from the Wellcome Trust.

Professor Andrew Lumsden FRS, Director of the MRC Centre for Developmental Neurobiology, will co-ordinate a team of five leading international scientists from Harvard University, Columbia University and University College London in a five year study of *Functional Genomics of Neuronal Identity*.

With the completion of the genome sequencing project, scientists now have the tools to visualise and observe the activity of thousands of genes at a time on small microchips called DNA microarrays.

Professor Lumsden's team has developed techniques that can obtain the gene expression 'profile' of a single cell, revealing which of the 35,000 genes in the genome are active at that time in that one cell. A single cell type can be profiled throughout its development, from an unspecialised embryonic condition to the highly specialised and unique adult condition, thereby revealing which genes are responsible for the cell acquiring its specific characteristics.

In this significant new study the expression profiles of motor neurons (cells in the spinal cord and brainstem that control muscles), using both normal neurons and neurons from animal model systems for neurodegenerative diseases, will be compared for the first time on a systematic level to unravel the difference between healthy and diseased states.

Professor Lumsden said: 'The comparison should give us deep insights into the molecular causes of, for example, amyotrophic lateral sclerosis (ALS) and spinal muscular atrophy. Once the unique combination of genes that characterises these complex cell types is known, it will be possible to develop well-focused therapies to systematically manipulate and repair genetic defects.'

The second award of £5.4 million will be used to create the London Pain Consortium, directed by Stephen McMahon, Sherrington Professor of Physiology, Division of Physiology, and bringing together nine leading scientists and clinicians with established records in pain research from King's, University College, Institute of Child Health and Imperial College.

Professor McMahon explained:

'Pain is an immensely important clinical problem where there is still a large unmet need. It is also an exciting and rapidly evolving area of neuroscience research. To tackle the problem effectively, concerted efforts are needed from both neurobiologists and clinicians.'

The research programmes of the London Pain Consortium will include the use of DNA microarrays to search for genes whose expression is regulated in models of inflammatory and neuropathic pain and by analgesic drugs. It will also examine the use of proteomics in experimental pain studies and the screening of human volunteers for variations in pain sensitivity, relating these using association studies to known polymorphisms in pain-related genes.

Over the next five years the Consortium will offer comprehensive, multidisciplinary training for 25 scientific and clinical fellows and research students, each of whom will work in several of the Consortium laboratories. This will create a new breed of young researchers with a thorough understanding of integrative physiological techniques and how to combine them with modern molecular and genetic approaches.

King's links to BBC website

The War Studies Group at King's worked with the BBC to provide commentary and analysis on September 11, one year on, for their respective websites.

Lawrence Freedman, Professor of War Studies and Head of the School of Social & Public Policy, commented: 'The King's War Studies Group is world-renowned for its expertise on terrorism, international security and strategic policy and well placed to work with the BBC in this way on this significant anniversary.'

Professor Freedman and Professor Michael Clarke, Director of the International Policy Institute at King's, have written articles for BBCi on the changing nature of warfare, the history of terrorism and the key events leading up to September 11. The BBC website on September 11 can be found at www.bbc.co.uk/september11.

The King's September 11 webpage can be found at www.kcl.ac.uk/september11. It offers a series of briefings focusing on the events of that day and the subsequent war on terrorism. The texts are written by academics in the War Studies Group.

Acting on disability

As the Disability Discrimination Act is extended to cover further and higher education institutions, the College has updated the *Disability Handbook*.

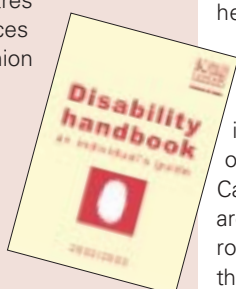
This publication is not only for prospective and current students with disabilities or long term illnesses, but also aimed at their families, friends and those interested in providing support for them whilst at College. It contains details about applying to King's, living arrangements, Disabled Students' Allowances, disability benefits and other funding available.

This year there is also information for individuals who may wish to provide study-related support such as notetaking or communication support.

Virginia Wainwright, Director of Equality & Diversity, commented: 'A key aim of the College Disability Handbook is to enable students with disabilities to make informed choices about their time at King's and to take full advantage of available support according to their particular needs.'

To download a copy of the handbook see www.kcl.ac.uk/equal_opps/index.html. Alternatively, copies are available from:

- The Equality and Diversity Department
- main reception desks
- School Offices
- Information Service Centres
- Welfare Offices
- Students' Union



Caribbean Medicine star-studded reception

The Centre for Caribbean Medicine, together with cricketing legend Sir Garfield Sobers, hosted the Centre's first annual gala reception at St Thomas' Hospital in June.

Guests included chief secretary to the Treasury, Paul Boateng MP, the Barbados High Commissioner HE Peter Simmons, and a number of actors from *Casualty*, *EastEnders* and *The Bill*.

The aim was to raise the Centre's profile and invite people to become Friends of the Centre.

Professor Roger Jones, the newly appointed Executive Director of the Centre, gave a presentation on the Centre's activities. He noted that approximately £3 million had been awarded to the Centre and departments researching diseases prevalent in the African-Caribbean population.

As well as poetry recitations from Valerie Bloom and Linton Kwesi Johnson, throughout the evening Tony Charles' steel band provided the sounds of the Caribbean while guests enjoyed Caribbean food.

If you are interested in finding out more about becoming a Friend of the Centre or making a donation, ring 020-7848 3103 or email ccm@kcl.ac.uk.

Schizophrenia research

New research into schizophrenia in British African-Caribbeans helped publicise the Centre's gala reception.

The research, by Dr Rosemarie Mallet and colleagues, indicates that the higher levels of schizophrenia in the African-Caribbean population in Britain are in part due to social and environmental factors. Published in the journal *Social Psychiatry &*

Psychiatric Epidemiology, it is the first time that social and psychological factors have been recognised as central to understanding the cause of serious mental illness in African-Caribbeans.

Dr Mallet, a medical sociologist at the IOP, said: 'This work highlights the significance of social disadvantage as a cause of severe mental illness. Our study found that UK African-Caribbeans who had been separated from one or both parents for four years or more during childhood were more likely to develop schizophrenia. A similar link was also seen with unemployment in British African-Caribbeans.'

'Early studies by others indicated extremely high rates of schizophrenia in African-Caribbeans in the UK compared to the white population. Our work began in 1991 and we found that twice as many African-Caribbeans developed schizophrenia compared to

white people with similar backgrounds. Studies in Caribbean populations showed that their rate of schizophrenia was significantly lower than in London's African-Caribbeans, suggesting that social and environmental factors were responsible for the high UK rates.'

Professor Roger Jones said: 'There are large communities of African-Caribbeans around King's College in south London and we believe we have an obligation to investigate the health inequalities that can occur in them. We work in full and equal partnership with the University of the West Indies and the gala reception this year helps to emphasise our close links. Both institutions stand to learn a good deal from each other and that is a very positive thing.'

Joking aside: Paul Boateng MP (left) with Sir Garfield Sobers, the former West Indian cricketer, enjoying the Centre for Caribbean Medicine's first annual gala reception



The Drug Control Centre

The Drug Control Centre at King's was again in the media spotlight this summer when it was chosen to provide a 24-hour drug testing service for the Manchester Commonwealth Games.

The Games passed without major incident, and the Centre's Director, Professor David Cowan, welcomes this as a sign that drug testing is constantly improving.

'Some people believe the cheats are always one step ahead,' he says, 'but I think a lot of athletes do know that the process is becoming so effective that it's better not to take drugs. Throughout my career I've heard it said that we won't be

Accredited by the International Olympic Committee

able to deal with the next generation of drugs or treatments, but we always have done.'

The Centre drew on the assistance of a number of overseas experts as part of the collaborative approach for major international competitions.

David Cowan is Professor of Pharmaceutical Toxicology at King's, and has been involved in the field of sports analysis for 24 years. He was the co-founder of the Drug Control Centre, established in 1978 at Chelsea College (which merged with King's in 1985), and became Director in 1990.

'The Centre is one of 27 worldwide and the only one in the UK accredited by the International Olympic Committee,' he notes. It also has the highest possible UK and international accreditation for a testing laboratory.

During the Games the performance of the Centre was under the watchful gaze of an observer from the World Anti-Doping Association (WADA). Feedback on the Centre's performance is due to be published on the WADA website and the Centre is anticipating a glowing report.

The Centre is contracted to undertake all the urine analysis for UK Sport's Anti-Doping Programme, which amounts to a minimum of 4,000 samples a year, and also regularly undertakes urine analysis for sports organisations outside the UK.

Highest possible UK and international accreditation for a testing laboratory

'We've provided this service for many UK events, including the Edinburgh Commonwealth Games in 1986 and the European Football Cup in 1996. We also assist laboratories elsewhere to meet these exceptional requirements; in 1998 we won a major role in establishing the drug testing laboratory for the Kuala Lumpur Commonwealth Games, and we also played a key part in the Sydney Olympic

Games in 2000 and the Salt Lake City Winter Olympics in 2002,' David Cowan explains.

The testing process involves receiving anonymous pairs of urine samples ('A' and 'B') from the competitors tested. The 'B' samples are stored safely while the 'A' samples are subjected to various levels and types of test. If any abnormalities are noted with a sample, skilled scientific evaluation is used to interpret the resulting data. Between one and two per cent of the samples received by the Centre result in an adverse finding, and in these cases the 'B' sample is available to confirm or refute the finding in the 'A' sample. The athlete concerned has the right to be present during the testing of the 'B' sample if they wish.

Equally important in the Centre's work is maintaining a chain of custody for the samples it analyses. This way, at any one time, the Centre can prove where a sample is being stored and who, when and why a member of staff has had access to the sample, thereby negating the possibility that a sample may have been tampered with. In addition to its analytical work, the Centre provides expert evidence for disciplinary and employment tribunals.

The Centre, part of the School of Health & Life Sciences based in the Franklin-Wilkins Building at Waterloo, has a staff of 17. Its leading-edge research includes recent papers on ecstasy and rostenedione. The scientific methods used for testing include gas chromatography, liquid chromatography, immuno-procedures, electrophoresis and sophisticated mass spectrometry.

There are currently plans to establish a centre for evidential science which would bring together the range of testing for legal purposes which is carried out in the College, linking the Drug Control Centre with the Forensic Science team in the Division of Life Sciences.



Fireworks: the opening ceremony at the Manchester Commonwealth Games, held over the summer.

Research round-up

During the summer a number of major research findings by King's academics were published, resulting in significant public interest and media coverage for the College. Some of them are highlighted over these pages.

Engineering teeth

Research by scientists in the Guy's, King's & St Thomas' Dental Institute at King's may one day mean the end of dentures and false teeth.

Professor Paul Sharpe, Head of Craniofacial Development, talked about his success at growing teeth in the laboratory to *New Scientist* in August. He has already grown immature mouse teeth from stem cells by finding the right signalling molecules to persuade them to develop in the correct way. This will hopefully mean that one day bio-engineered teeth grown in the laboratory could replace dentures.

Professor Sharpe plans to implant the tooth buds into animals' jaws and is confident that the

developing tooth will attach its own nerve and blood supply and cement itself into the gum.

He commented: 'The aim is, you go along to your dentist, we take cells from you and engineer them.

One day bio-engineered teeth grown in the laboratory could replace dentures

We replace them into the site you need the tooth and, hey presto, the tooth would grow. Yes, it's complicated, but we are letting the natural embryonic development pathways do the work for us.'

Although the research is at a

very early stage it may only be ten years before dentists are giving people new teeth.

Mind the gap: growing new teeth may become a reality

following extensive research at King's.



Brian Bailey / Taxi

Gene defence against HIV

A scientist at King's has discovered a unique gene in humans that acts as a defence against attack from human immunodeficiency virus, HIV, the virus that causes AIDS. The gene, CEM15, represents a new type of natural resistance to viral activity that could be exploited to produce new treatments for HIV or AIDS.

The research by Professor Michael Malim, Head of Infectious Diseases at King's, together with Dr Ann Sheehy and colleagues at the University of Pennsylvania School of Medicine, was published in *Nature* in August.

It showed how CEM15 would stop HIV infection, but is normally overcome by a

small HIV protein called Vif (virion infectivity factor), that suppresses its activity. Although scientists know that Vif plays an essential part in ensuring HIV replication, its precise functions have remained unclear.

The team studied cells infected with a form of HIV that lacked Vif and found that the CEM15 gene interfered with the HIV life-cycle, rendering any new virus particles non-infectious.

These are very significant findings and could open the door to new treatments for HIV/AIDS in the future

Professor Malim said: 'These are very significant findings and could open the door to new treatments for HIV/AIDS in the future. Previous studies have shown that Vif is

crucial in infection and neutralises some sort of defence system in healthy cells. Our research has identified CEM15 as a key component of the system in question. If we can find a way to block the action of Vif, it would allow CEM15 to work properly and to prevent HIV from spreading.

'When a virus such as HIV infects a cell, it basically comes with its own blueprints in the form of RNA and a few proteins that act as tools. Using just this, it hijacks the cell's entire biochemical machinery, turning it into a factory that churns out new viruses, or virions. These virions then go on to infect and kill other cells and so the cycle continues.

'There is still a lot to learn about Vif. All this research will hopefully lead to a way of stopping Vif from working and thus enabling the body's natural defence mechanism to come into play. It's very ambitious, but we may see Vif developed as a new target for therapy in the next ten years.'

Accuracy of exam results questioned

A levels are not an accurate test of a student's abilities and potential, according to research by Professors Paul Black and Dylan Wiliam of the Department of Education & Professional Studies.

Whether exam standards are going up or down is not the point, they claim. Instead they argue that attention ought to be directed at the issues of reliability and validity; that is, how accurate are the grades and what do they actually mean.

Students, parents, teachers and others who use examination results to draw conclusions about individuals, or about the performance of schools, should understand that examination results are of limited reliability and validity, and that they cannot be taken at face value.

Dylan Wiliam, Assistant Principal and Professor of Educational Assessment, said: 'Whether standards are going up or down is not the issue – standards have been broadly maintained. The problem is that we just don't know how accurate examination grades are for individual students, and they

are of only limited use as predictors of future performance.'

Examination results are of limited reliability and validity

Furthermore, the lack of well researched data on the reliability and validity of examinations means that it has not been possible to optimise the design of the system. Paul Black, Emeritus Professor of Science Education, commented: 'Because such evidence as exists has been ignored, too much confidence has been placed in the results of external testing and too little in the potential value of school-based assessments. When I chaired the government Task Group on Assessment and Testing in 1987/8 we stressed that teachers' assessments should be at the heart of any national system: this was accepted in principle and completely ignored in subsequent policy.'

Professors Black and Wiliam also empha-

size that the main responsibility of the examination groups is a limited one. Exam results are affected by ability, effort, teaching, syllabus, test quality, marking and grading, only the last four of which are currently the concern of examination groups.

'Grades are improving because students are cleverer, are working harder and schools are increasingly teaching to the test,' Professor Wiliam said.

Eyes down: just how accurate are exams for testing ability and potential?



Rob Gage / iStock

Can we 'turn off' hay fever?

The annual misery of hay fever might one day be a thing of the past if new findings by Professor Brian Sutton's team in the Guy's, King's & St Thomas' School of Biomedical Sciences, can be exploited.

There are 12 million sufferers of hay fever in Britain who may spend summers red-eyed and sneezing. Published in the journal *Nature Immunology*, Professor Sutton's team have made significant findings into the causes of this allergy.

The work could also benefit asthmatics and people with serious allergies to insect stings or certain foods. At the moment the

treatments patients receive only attempt to alleviate the symptoms of the body's allergic response.

Allergic reactions, including hay fever, are caused by a molecule in the immune system called IgE (immunoglobulin E). When a per-

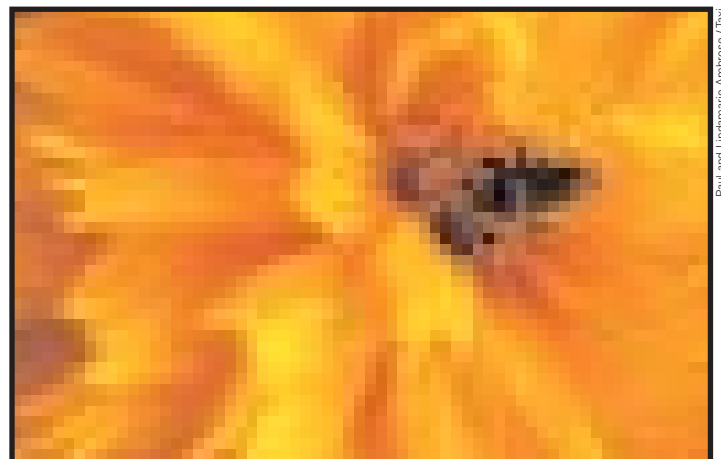
12 million sufferers of hay fever in Britain may spend summers red-eyed and sneezing

son comes into contact with something that sets off their allergy, such as pollen, the antibody IgE binds to

white blood cells, called mast cells, that contain histamine. The IgE causes these cells to release this histamine and other substances that lead to inflammation. This is what causes red, itching eyes, sneezing and runny nose.

The King's researchers found that the part of the IgE molecule that attaches to the mast cell is

normally bent sharply back on itself. In order to form a strong bond with the mast cell, it has to unfold. It is possible that this could be exploited, by perhaps developing a drug that prevents the IgE molecule moving into its folded position. By locking it up it cannot trigger the mast cells and no inflammation would occur.



Paul and Lindamare Ambrose / iStock

Nursing scoops FDTL award

Hefce has awarded £249,589 from its Fund for the Development of Teaching and Learning to the Florence Nightingale School of Nursing & Midwifery. The money will support the pre-registration inter-professional education (IPE) project being carried out by the three universities and NHS Trusts that comprise the South East London Workforce Development Confederation (SELWDC).

The money, awarded over three years, has been won in collaboration with the nursing schools at Greenwich and South Bank universities.

Professor Ian Norman from the School of Nursing & Midwifery at King's, who led the successful bid, commented: 'This is good news not only for future nurses and midwives, but also for students of all other healthcare professions being educated within SELWDC. This award is in addition to previous funding that we have received from the Department of Health, which highlights the central role now being accorded to inter-professional education in the development of the 'new' NHS.

'This Hefce award puts our ambitious inter-professional education project on a sounder financial footing, and will allow us to evaluate it thoroughly. The evidence base for inter-professional education is very limited. We know little about the effects of pre-registration inter-professional education on inter-professional collaboration, and even less about its benefits for patients. There's a major research and development agenda here to which the SELWDC inter-professional education project can

make a substantial contribution.' The SELWDC IPE project is designed to foster the knowledge, skills and attitudes required by students in the health professions for effective inter-professional working. To

The money will support the pre-registration inter-professional education project

this end all undergraduate students from seven health professions (nursing, midwifery, medicine, dentistry, physiotherapy, dietetics and pharmacy – some 1,200 students each year) admitted to King's from September 2002 and thereafter, will embark on a continuous programme of IPE, which is integrated with their uni-professional education programmes.

The IPE programme has distinct stages representing progression from shared learning to joint decision making and care planning in partnership with patients. Much education will take place in practice placements in which King's students will learn to work collaboratively with each other and with healthcare students from Greenwich and South Bank universities. Thus, the IPE project makes the patient rather than the professional group the starting point for education. An evaluation is planned that will chart the project's impact and enable it to be developed in the light of evidence.

Memorial lecture

A memorial lecture was held in May for Dr William Hirst, Senior Lecturer in the Department of Haematological Medicine, who died aged 40.

The lecture, given by Dr Alejandro Madrigal, Research Director of the Anthony Nolan Bone Marrow Institute, was attended by over 150 former colleagues of Dr Hirst's from all over the UK.

It was followed by the unveiling of a plaque by his three daughters, renaming the laboratory which their father founded in the Leukaemia Sciences, Rayne Insti-

tute, Denmark Hill Campus, to the Will Hirst Leukaemia Immunobiology Laboratory.

Dr William Hirst's daughters: Amy, Rosie and Mollie, unveil a plaque renaming a laboratory in their father's honour.



Shaun Thomas

Blood-brain barrier

Dr David Begley, neurophysiologist at King's, is working on exciting new ways of crossing the blood-brain barrier. This is the barrier built into the blood vessels that feed the brain and it is very effective at keeping out unwanted elements such as toxins and viruses in the blood. However, it also blocks drugs from entering. Talking with the journal, *Science*, Dr Begley explained his research into getting drugs past this barrier to treat neurological disease and the success he has had at sneaking tiny particles stuffed with drugs across the barrier to treat brain tumours.

Veterans study

Professor Christopher Dandeker of the Department of War Studies and **Professor Simon Wessely** of the Institute of Psychiatry, have been commissioned by the Ministry of Defence to produce a scoping study of the health and social concerns of veterans.

The study will focus on those ex-service personnel who are

particularly vulnerable to processes of social exclusion and how the delivery of public services to meet their needs might be improved. It will be completed by March 2003 and two research staff will assist Professors Dandeker and Wessely: Dr Amy Iversen (IoP) and Mr John Ross (War Studies).

Revivalism

A highly successful conference held on the history and theology of the Revivalist movement in the US and UK was held in June in the College Chapel at the Strand.

Being the first conference of its kind in the UK, it attracted both academics, including Professors David Bebbington, Tom Smail and Roger Forster, as well as practitioners.

It was arranged by **Andrew Walker**, Professor of Theology and Education in the Department of Education & Professional Studies. Twelve substantial papers were given and a book is planned for publication.

King's academics recently became TV stars when they took part in some high profile television programmes.

Discovery on the high seas

BBC 2's well trailed and much publicised *The Ship* set sail on 20 August with Andrew Lambert, Laughton Professor of Naval History, as a crew member of *The Endeavour* – a perfect replica of Captian Cook's original ship. The series threw new light on historical and scientific aspects of Cook's epic voyage of discovery in Australia and the south seas.

Professor Lambert, among 41 volunteers who joined 15 working crew, was chosen to fill the advisory role of naval historian. Also on board were British and Australian historians together with scientific specialists including a botanist, a botanical artist, navigators and an astronomer.

The six programmes were essentially fly-on-the-wall pieces with the additional themes of voyaging, historical reconstruction and reconciliation. They showed a modern crew attempting to deal with the rigours of life on an 18th century tall-ship and coming to terms with hard conditions and an unusual regime. This included an authentic diet, no external communications, no smoking, drinking or coffee and the absence of any personal space.

Professor Lambert explained his reason for accepting this highly unusual assignment: 'It provided an opportunity to experience life at sea on a wooden sailing ship for a month, long enough to learn something about ship handling and conditions. I learnt more in four weeks about the working and crewing of a wooden sailing ship than I could've picked up in a lifetime of shore-bound study. Cook

remains an iconic figure, although not necessarily always in a positive sense, and his voyage was a masterpiece of navigation.'

He described his abiding memories of the trip as comradeship, spectacle and self-discovery: 'Getting up onto the foretopsail yard to furl sail for the first time, 100 feet above the deck, bent double over a spar, standing on a rope and hauling up a heavy sail with the rest of my watch, required concentration, teamwork, dexterity and a steady nerve. These are not the obvious qualifications for a historian.'

The rigours of life on an 18th century tall-ship

Filming took place in August and September last year but, unfortunately, as *The Endeavour* left Australian waters at the end of the third programme, Professor Lambert had to be airlifted off with pneumonia. The 21st century had caught up with him and the next day, September 11, it would catch up with the whole crew.

See Professor Lambert's article on the BBC History website. www.bbc.co.uk/history/discovery/exploration/life_at_sea_06.shtml

Sailing by: *The Endeavour*, a replica of Cook's ship, provided the setting for BBC 2's series

The Ship, in which Professor Andrew Lambert, Department of War Studies, was a crew member.

Turn to page 12 for news about further King's TV appearances

In ancient times

Medieval historian Professor David Carpenter presented the popular Channel 5 television series, *Warrior School*, in which men and women were trained in ancient warfare.

Professor Carpenter explained: 'We took policemen, sportsmen and members of the services and taught them how to live and fight as warriors from different periods in history. The aim was that they would come to understand the whole nature of the individual experience of ancient combat.'

Working with the highly respected director, Mike Ibeji, one of those behind the *Making of Britain* and holder of a doctorate on the late Roman army, *Warrior School* has been both entertaining and highly informative. 'As far as reality history goes, this programme gets a Colosseum-style thumbs up,' *The Sunday Times* enthused.

In four parts, the first programme, *Knights*, saw a professional polo player and a mounted policeman being taught the knightly pleasures of foot training at Castle Bolton, Wensleydale, and jousting in the tiltyard at the Royal Armouries, Leeds.

Master at Arms of the Royal Armouries, John Waller, took charge of the combat training, guiding the two volunteers along a steep learning curve which

included circuit training in 60-70lbs of metal armour, long-bow lessons, instruction in how to wield a great sword, handling hunting falcons and, most importantly, how to control and aim with a lance while riding in armour.

After enduring three tough days, with only medieval dancing lessons for respite, they faced professional knights in battle.

Commenting on the whole series, Professor Carpenter said: 'I thought the programmes showed that there is no mystery about the techniques of ancient and

The individual experience of ancient combat

medieval warfare and that fit men and women of today can quickly learn them. I was reminded of Edward Gibbon's remark: "the courage and expertise of the soldier is one of the commonest commodities possessed by mankind"

Particularly striking for Professor Carpenter was the way the two 'knights' learnt to joust in full armour in little more than a weekend. 'I especially liked the sequences when they did exercises in armour, which were both informative and funny.'



BBC Pictures

King's people

New Fellows

Honorary Fellows

Lord Guthrie GCB LVO OBE

General the Lord Guthrie of Craigiebank, former Chief of Defence Staff and Chairman of the Trustees of the King's College London Liddell Hart Centre for Military Archives, and a Visiting Professor in the Department of War Studies at King's.

Lord Rothschild GBE

Lord Rothschild, a major figure in the world of arts, heritage and philanthropy.

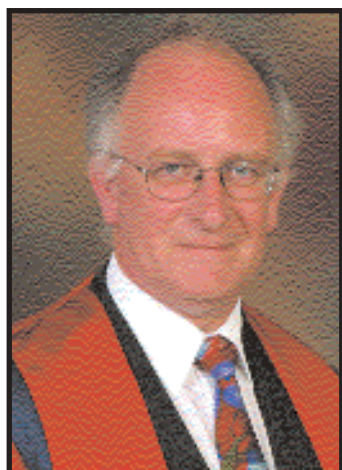
Elected Fellows

The Revd Dr Richard Burridge

Dr Burridge has been Dean and an honorary lecturer of the College since 1994. He is a Member of the General Synod of the Church of England, and is Chair of the Church's Education Validation Panel.

Professor Colin Bushnell PhD

Professor Bushnell is Head of the School of Physical Sciences & Engineering and has an international reputation as a specialist in number theory, winning the 1995



London Mathematical Society's Senior Whitehead Prize. He is also Chair of the College's Estates Management Committee.

Professor Michael Dockrill PhD

Professor Dockrill was a distinguished professor in the Department of War Studies from 1995-01 with an international reputation as a scholar of diplomatic history. He established the highly regarded Macmillan/Palgrave *Studies in Military and Strategic History*.

Sir Gordon Downey CB KCB

Sir Gordon Downey has had a distinguished career in the public service, most recently from 1995-1998 as Parliamentary Commissioner for Standards. He was Chairman of the Delegacy of KCSMD from 1989-91.

Maureen Patricia Duffy BA FRSL

Maureen Duffy graduated from King's in 1956. She is a much respected poet and playwright, and author of some 15 novels and of several works of non-fiction. She also played a major part in establishing authors' public lending rights.

Dr Alan Gibson

Dr Alan Gibson is a Senior Lecturer in Pharmacology. He has made exceptional contributions to the College in supporting the application of key personnel policy and practice, and in his role as Chairman of the Amenities Committee.

Professor Ian Michael PhD

Professor Michael graduated with first class honours in Spanish from King's in 1957. He now holds the King Alfonso XIII Chair of Spanish at Oxford and is a hispanist of international renown and an authority in medieval studies. Under the pseudonym of David Serafin he has also published a series of six detective novels set in Spain.

Professor John Langdon MBBS FRCS MDS FMedSci



Professor Langdon is Head of the Division of Oral & Maxillofacial Surgery, Emergency Dental Services & Dental Radiology, and Clinical Director of King's College Dental Hospital & Community Dental Services. He will be President in 2003 of the British Association of Oral & Maxillofacial Surgeons.

The Revd Dr Nyameko Barney Pityana DD

Dr Pityana is a graduate of King's and a lawyer and theologian with a lifelong commitment to human rights. He became Vice-Chancellor and Principal of the University of South Africa in 2001, previously chairing the South African Human Rights Commission.

Professor Michael Robb PhD DSc FRS

Professor Robb is Head of the Department of Chemistry. He is highly respected for the application of quantum mechanics to chemistry, and his work on photochemical problems is distinguished for establishing a new theoretical foundation to the subject.

Queen's Birthday Honours

The Principal, Professor Arthur Lucas, was awarded a CBE for services to higher education.



Professor Peter Marshall FBA, Emeritus Professor in the Department of History and former President of the Royal Historical Society, was awarded a CBE for services to history.

Professor Jack Spence, Visiting Professor in the Department of War Studies, was awarded an OBE for services to the Ministry of Defence and his work as academic advisor to the Royal College of Defence Studies.

Judith Mayhew, Chairman, Policy & Resources Committee, Corporation of London, and former Sub-Dean of Law, was awarded a DBE for services to the City of London.

Sir Michael Howard Kt CBE FBA, was awarded a Companion of Honour for services to military studies. He founded the Department of War Studies at King's and is also a long serving Trustee of the Liddell Hart Centre for Military Archives.

Max Hastings, former editor of the *Evening Standard* and *The Daily Telegraph* and also a Trustee of the Liddell Hart Centre for Military Archives, was awarded a knighthood for services to journalism.

Fellowships

FBA for Lawrence Dreyfus

Lawrence Dreyfus, Thurston Dart Professor of Performance Studies in the Department of Music and head of the Department from 1995-99, has been elected Fellow of the British Academy.

Professor Dreyfus has enjoyed



Peter Howard

a dual career as writer and performer, although his election as Fellow of the BA is based on his contribution to scholarship. Much of his scholarly work has centred on the music of J S Bach, although he has also written on theories of performance practice, the Early Music movement, the works of Mozart and on Jews in the circle of Richard Wagner.

He is also the only FBA to hold a Grammy Award: as a cellist as well as a viol player he can be heard in a CD of Purcell songs with Sylvia McNair, which won a Grammy for the best vocal recording of 1995.

Colin Roberts, Professor of Medical Engineering & Physics, and Head of the Department of Medical Engineering at Denmark Hill, has been awarded a Fellowship of the International Academy of Medical & Biological Engineering.

Fellowship of the Academy is limited to 40 members worldwide and considered to be the top international accolade for those working in the field of medical

engineering.

Prizes and Awards

Metin Avkiran, Professor of Molecular Cardiology, has been awarded a DSc from the University of Bath. His award is based on his published work, both at UMDS and King's over the past 10 years, on the pathophysiological roles, pharmacological inhibition and cellular regulation of the cardiac sarcolemmal sodium/hydrogen exchanger.

Angela Gurnell, the new Professor of Physical Geography, been awarded the prestigious Victoria Medal by the Royal Geographical Society.

She is one of the country's leading fluvial geomorphologists with a particular expertise in the sustainable management of urban rivers and floodplains, with over 150 key publications to her name. Since 1997, she has been the principal investigator on over 35 research projects, funded recently by the Environment Agency, NERC and the European Union.

Lawrence Freedman CBE, Professor of War Studies and Head of the School of Social Science & Public Policy and author of *Kennedy's Wars: Berlin, Cuba, Laos, and Vietnam* (Oxford University Press) has won the silver medal in the Arthur Ross Book Award. This is America's newest and largest international affairs book award and is presented by the Council on Foreign Relations.

Dr Chris Thomhill, Lecturer in the Department of German, has received an Outstanding Academic Book award in the Political Theory category from the American Library Association for his book *Political Theory in Modern Germany* (Cambridge: Polity Press, 2000). The award is made by the ALA's magazine *Choice: Current Reviews for Academic Libraries*.

Christopher Wintle of the Department of Music has been awarded The Royal Philharmonic Society prize for an outstanding book on music published in the UK in the year 2001. *The Jerusalem Diary. Music, Society and Politics, 1977 and 1979* was edited by Chris and Fiona Williams (BBC Symphony Orchestra Music Library). The prize, which is generally acknowledged as the country's leading music book award, was presented at the RPS annual dinner in May by Dame Joan Sutherland in a ceremony hosted by Sir Thomas Allen.

The Diary is both a study of politics, society and culture at a time when Israel swung sharply to the right, and a witty, irreverent and stylish anti-autobiography by a writer who dominated London music in the 40 years after the war. It is published by Plumbago Books, London.

Appointments

Janet Askham, Director of the Age Concern Institute of Gerontology and Professor of Gerontology, has been appointed to the prestigious role of Academic Co-ordinator for the Department of Health's Older

People's Research Programme.

Irene Higginson, Professor of Palliative Care & Policy, has been appointed Scientific Director of the newly established Cicely Saunders Foundation. She has an outstanding reputation in this sector and will lead the development of the scientific strategy and establish research projects for the Foundation. She retains her position at King's.

Jeremy Pearson, Professor of Vascular Biology, has been appointed as one of two new associate medical directors at the British Heart Foundation. Professor Pearson will be seconded from King's to cover research.

Mr David Carslaw, a Principal Scientist with the Environmental Research Group at King's, is to be a member of the new Air Quality Expert Group. It has been set up by the Department for Environment, Food & Rural Affairs to tackle air pollution and to help the Government to assess the level and sources of pollution as well as the impact of proposed reduction strategies.

Chelsea silver medal



Dr Julian Ma, Senior Lecturer in the Department of Oral Medicine (and his team), won a Silver Medal in the Lifelong Learning section of the Chelsea Flower Show for a display on pharmaceuticals made from genetically modified plants (See Comment 141)

Gary Mulcahy

King's people

Appointments to Professorial Chairs

Gareth Barker

Professor of Magnetic Resonance Imaging

Patrick Bolton

Professor of Child Neuropsychiatry

Jonathan Chambers

Professor of Signal Processing

Angela Gurnell

Professor of Physical Geography

Sheilagh Hodgins

Professor of Forensic Mental Health Sciences

Ragnar Lofstedt

Professor of Risk Management

Jan Scott

Professor of Psychological Treatments

Professorial promotions*

Lionel Bently

Professor of Law
School of Law

David Carpenter

Professor of Medieval History
Department of History

Susan Chinn

Professor of Medical Statistics
Department of Public Health Sciences

Jane Fortin

Professor of Law
School of Law

James Gow

Professor of International Peace and Security
Department of War Studies

Andrew Hamilton

Professor of Medical Mycology
Division of Dermatology

Charles Kelly

Professor of Oral Immunology
Division of Oral Medicine & Pathology

Alistair Lax

Professor of Cellular Microbiology
Division of Oral Medicine & Pathology

Michael North

Professor of Synthetic Organic Chemistry
Department of Chemistry

John Pickup

Professor of Diabetes & Metabolism
Department of Clinical Biochemistry

Brian Sutton

Professor of Molecular Biophysics
Division of Biomolecular Sciences

John Wainwright

Professor of Geography
Department of Geography

Charles Wolfe

Professor of Public Health Medicine
Department of Public Health Sciences

David Yeandle

Professor of German
Department of German

Michael Zakharyashev

Professor of Logic & Computation
Department of Computer Science

*effective from 1 September 2002

IoP Professorial appointments

Professor Robert Howard

Professor of Old Age Psychiatry and Psychopathology

Professor Philip McGuire

Professor of Psychiatry and Cognitive Neuroscience

Professor Chris Miller

Professor of Molecular Neuroscience

Professor Martin Prince

Professor of Epidemiological Psychiatry

Arise, Sir Graeme

Professor Graeme Catto, Vice-Principal and Dean of the Guy's, King's College & St Thomas' Hospitals' Medical & Dental Schools, is knighted by HRH Prince Charles at Holyrood, Edinburgh on 2 July.



Royal Society success

Lord May of Oxford, President of The Royal Society, with **Dr Nicholas Leadbeater**, and team from the Department of Chemistry with their *Make me a Molecule* exhibit at The Royal Society's Summer Exhibition. Two King's teams took part, the other, *Non-toxic toxins*, was led by **Professor Alistair Lax**, Guy's, King's & St Thomas' Dental Institute.



Coming soon

Dr Douglas Campbell, Lecturer in New Testament Studies, has researched, written, and will present an hour-long programme to be shown on Channel Four. Entitled *Pagans and Christians*, it is part of a season by Channel Four on First Century Paganism and Rome.

Dr Campbell's programme will specifically examine pagan religious life, and its subversion by the radically different religious programme of the early Christians. It was filmed primarily on location in Turkey, ie, in the ancient Roman province of Asia.



Barrie Morgan

Barrie Morgan retired as Director of External Relations last month after 35 years' service at King's. He has taken up a Consultancy role at the British Council.

Professor Barry Ife, Vice-Principal, gave a speech at the farewell party, part of which is reproduced below.

'Barrie was a social scientist, and his background in human geography was a key factor in his success in the external relations role.

He was educated at Exeter University and gained a PhD in 1970 for a study of the residential geography of Exeter. He published several studies of patterns of residence and segregation in this country and abroad, and later went on to work on retail consumption. After an initial appointment at Leeds, Barrie came to

King's in 1967, was made Director of North American Programmes in 1986, Director of International Students in 1988, and became Director of External Relations in 1992.

Significant change took place in UK higher education during the 1980s and 1990s. The move from an elite to a mass system was not matched by increases in funding, and it soon became apparent that universities would be working in an increasingly competitive environment and would have to diversify their income streams. Barrie read these changes quickly, and made sure that the College was in a position to react fast to, and if possible anticipate, changing circumstances. The policy papers that he presented were always thoroughly argued and based on convincing evidence, especially when they required the College to make uncomfortable decisions

about investment.

While it is invidious to single out any particular aspect of his success, the creation of a strong, highly-motivated team must be at the forefront of his achievement. That team saw through the establishment and continued development of a strong corporate visual identity for the College, built up one of the strongest alumni bases in the country and put fund-raising onto a sound footing. These achievements have been marked by more awards for corporate publications than any other UK university; over 1600 campus-based visits by alumni in the 2000-2001 session; and a fund-raising attainment of some £23 million against an eventual target of £50 million. And much, much more.

Barrie was made a Fellow of the College in 2001 in recognition of his service to King's.'

Obituaries

Professor Alan Bennett (1936 -2002)

Alan Bennett gained a first class honours degree from Chelsea College followed by a PhD. He embarked on scientific career, being appointed as lecturer in Pharmacology in the Department of Surgery, King's College School of Medicine & Dentistry, in 1963.

The then head of department, Professor Harald (Teddy) Edwards, a famous Second World War surgeon, decided that the Department required a research pharmacologist to work with the surgeons to elucidate the 'mysteries' of the human gastrointestinal tract. This appointment was considered a radical approach since it involved mixing surgeons with a pharmacologist.

Professor Bennett initially published some studies on gut

propulsion and 5-HT but the turning point came when an unidentified substance in a gut extract was found to be a prostaglandin. He focused his research mainly on prostaglandins. Studies on prostaglandin inhibitors and antagonists and interactions with chemotherapy drugs and radiotherapy followed. Other studies included gastric damage by NSAIDs and clinical studies that launched Asacol as the drug of choice for treatment of ulcerative colitis.

A good jazz musician with his own big band, Alan also played in quartets, trios and even duets. The highlight of many a prostaglandin meeting was the 'Pipitone Band' hurriedly assembled by Alan to entertain delegates.

Although tempted many times by generous offers, Alan remained a King's College man, staying in the Department of

Surgery, contributing to the scientific and social life of the campus. On his retirement in 1993, he devoted his time to music and new fields of medical research.

Ian Stamford, Iggy Tavares, Mairead Carroll and Patrick Wong

Memorial Service

Thursday 28 November in the Chapel, Strand Campus at 17.30 followed by a reception in the Great Hall, Strand, at 18.30 to 20.00.

All are invited but please RSVP to ignatius.tavares@kcl.ac.uk

Lord Porter of Luddenham (1920-2002)

George Porter, a Fellow of the College (1994), was one of the most innovative scientists of the 20th century. He shared the 1967 Nobel

Chemistry Prize for his pioneering work with Ronald Norrish at Cambridge on high-speed, light-driven chemical reactions.

He was Director of the Royal Institution for 20 years from 1966-85 and in 1987 took up the chairmanship of a new centre for photochemistry and photosynthesis at Imperial College. He also worked to highlight the issue of public spending on scientific research and used his maiden speech in the House of Lords in 1991 to criticise the level of public support for science.

Apart from his great distinction as a physical chemist, he was interested in communication between scientists and non-scientists and was much sought after as a lecturer and took part in many BBC television programmes.

Local links

King's is working hard to increase its links with the local communities around its five campuses and to widen participation and access to the College through a number of initiatives which are explored over these two pages. Recently Hefce provided King's with funds to establish two key posts: a **Community Relations Officer** and a **Widening Participation Manager**. Their roles, which cover the whole of the College and the surrounding communities, are described here, together with a number of other projects in this field.

Ever thought of volunteering?

Abbey Wilson has been appointed to create and maintain links with the local communities with a view to promoting staff and student volunteering.

She was a student at King's (Laws 2000) and then President of KCLSU before joining the Development Office. Now based in the Public Relations Department, she took up her position of Community Relations Officer at the beginning of August.

Her role is to develop and maintain links with the local communities around the College's five campuses and to encourage students and staff to volunteer in the local community. One of her main objectives is to compile a comprehensive review of the activities undertaken by King's staff in the community, for example volunteering, mentoring or school governing.

Abby Wilson said: 'I would be grateful if any staff who are involved with community groups or who volunteer in any way could let me know about their activities. I am also looking at ways in which the expertise within College can be used for the good of the local communities. Any ideas that you may have would be gratefully appreciated!'

Abby Wilson can be contacted on ext 3073, or email abby.wilson@kcl.ac.uk.

Widening participation

Before joining King's as a Widening Participation Manager in July, Samantha Paxton previously worked for Lifetime Careers Brent & Harrow, as a Career Consultant and Project Manager.

Since her arrival she has met with key personnel from schools, colleges and local authorities to hear their views on the needs of educationally disadvantaged students in London. She has also been in contact with a number of staff within King's to

discuss possible widening participation initiatives, with the aim of raising aspirations and increasing the enrolment of disadvantaged students to the College.

Samantha Paxton explained: 'There are a number of programmes which already exist within King's that have successfully encouraged educationally disadvantaged students to consider higher education as an exciting and viable option. My aim is to encourage staff in all schools at the College to become involved in the new widening participation activities, which will be available to local schools and colleges from January 2003. I am keen to hear from any staff who would like to participate in this programme of activities.'

Samantha Paxton can be contacted on ext 3453, or email samantha.paxton@kcl.ac.uk.

Samantha Paxton (left) and Abby Wilson



Jo Fishenden

School science at King's

King's gave more than 60 school students from across south London an insight into university life at its Higher Education Summer School, held in July.

Called 'Fascinating Bodies', it was run by the School of Biomedical Sciences as part of the national initiative funded by Hefce to encourage students from under-represented social backgrounds to consider higher education.

Dr Barrie Morgan, former Director of External Relations, said: 'King's campuses are near some of the most educationally disadvantaged teenagers in the country. Many of them are not achieving exam success in line with their ability and do not consider higher education as an option, particularly in an institution as prestigious as King's.'

A key role to play in raising aspirations and attainment in local communities

'King's is firmly committed to widening participation and fair access by selecting the best students based on academic merit and potential. We have a key

King's in the community

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'King's is firmly committed to widening participation and fair access by selecting the best students based on academic merit and potential. We have a key role to play in raising aspirations and attainment in local communities and encouraging teenagers to see

Specialist tuition for students who are still developing their English

higher education as a realistic opportunity. This type of project is vital to breaking down barriers.'

The Year 11 students from Greenwich, Lambeth, Lewisham, Southwark, Tower Hamlets and Wandsworth took part in a range of fun and practical workshops giving them study skills as well as stimulating their interest in biomedical sciences.

Sheila Maister, Summer School Co-ordinator, said: 'This is a fantastic opportunity for



school students to experience higher education.'

English extra

Pre-university English language classes are being offered by King's to promising and highly motivated A level students, whose first language is not English. The programme, part of the College's response to the Widening Participation initiative, has been devised and managed by the Department of Education & Professional Studies in conjunction with the External Relations Directorate.

The purpose of the programme is to provide specialist tuition for students who are still developing their English language competence. It also provides additional support for these students' access to university education.

Dr Constant Leung, director of the programme, explained: 'We aim to offer 50 places to promising first year A level students from schools in various London boroughs. The pre-university Academic Language Programme began in April with students attending on Saturday mornings. The programme has been designed to help them reach their potential.'

Students are divided into two groups; humanities-orientated and science and engineering-orientated. The programme includes uses of academic literacies, accessing library information and databases, orientation

to higher education and the structure of academic composition in the English language.

Mrs Bridget Barlow, who administered the course, said: 'The students were originally from dozens of different countries, from Kosova to the Congo and from Somalia to Sri Lanka. Some of them have come with appalling experiences and backgrounds, but their commitment and determination to succeed against the odds has been an inspiration.'

Damilola Taylor Awards

The Access to Medicine Project at King's celebrated the success of its initial year with the first ever awards made by the Damilola Taylor Trust.

The Project was launched in June 2001 to widen access, specifically helping bright and talented young people from disadvantaged backgrounds to become doctors.

The celebration acknowledged the outstanding achievements of the current students and recognised the commitment of local school and college students to outreach activities. Damilola Taylor's parents, Richard and Gloria, attended and presented awards from the Damilola Taylor Trust to students Linda Onyema, Anyakwe Omunnakwe and Stella Adesoye.

Course Director, Dr Pamela Garlick, said: 'The College is very proud of the current students on the Access to Medicine

Richard and Gloria Taylor with the first prize winners of the Damilola Taylor Trust.

Linda Onyema (right), Anyakwe Omunnakwe (left) and Stella Adesoye (second from left).

Programme. Their achievements are to be celebrated. We are also honoured that our students should be the first to receive awards by the Damilola Taylor Trust and thank the Trust for its generosity.

'Our programme is gradually expanding to allow for up to 50 extra undergraduate places in medicine by 2005. These places are for talented school pupils from the inner London boroughs who would not normally achieve the necessary grades to train as doctors.'

Mr Richard Taylor said: 'Gloria and I set up the Damilola Taylor Trust to provide a lasting memory to our son and to help others achieve the ambitions he himself hoped to achieve. One of our three key aims is to encourage and support disadvantaged youths, particularly with financial or bursary support for other young people like Damilola, who want to study medicine. That is why the Trust chose to support the Access to Medicine Project at King's.'

'There are some groups of children who aren't allowed to

In the news

Ugly bugs

The mystery stomach virus affecting British troops in Afghanistan was subject to the expertise of **Dr Mahmoud Halablab**, Division of Life Sciences, in *The Daily Telegraph*, on BBC Online, and US National Public Radio. Dr Halablab also spoke on the causes and symptoms of Legionnaires' Disease on BBC *Breakfast News*, BBC Online and Radio 5 Live following recent outbreaks.

Talking media

Tony Thorne, Director of the Language Centre, has been interviewed on various occasions for BBC Radio 4 and Radio 5 Live on topics ranging from human communication with extra-terrestrials, the increasing use of acronyms in the workplace and the cultural associations of first names to a Channel 5 documentary series, *The Most Evil Women in History*, about Elisabeth Bathory, 'Countess Dracula', whose biography he has written.

Church matters

Potential candidates for the position of Archbishop of Canterbury were reviewed by the College Dean, **The Revd Dr Richard Burridge**, in *The Times*. The Dean also provided the commentary on the funeral of HM Queen Elizabeth the Queen Mother for Premier Radio and was interviewed by Steven Norris for *Talk Sport* to discuss a recent survey of the clergy on their beliefs.

Fertilisers

Chemicals found in industrial products affect the fertilising ability of mouse sperm, according to the research of **Professor Lynn Fraser**, Department of Anatomy Cell & Human Biology, as reported in *The Guardian*, *The Times*, *The Independent*, *Evening Standard*, *Daily Express* and *Focus* magazine. Synthetic cleaners, paints, herbicides and pesticides all contain oestrogens, which can stimulate sperm to go through a fertilising reaction before they come into contact with the egg.

Planting teeth

The work of **Professor Paul Sharpe**, GKT Dental Institute, who has been pioneering a means of growing new teeth from stem cells, was featured in the *New Scientist* and taken up by BBC *Breakfast News*, *Daily Mail*, BBC Online, *Daily Star* and many regional newspapers.

HIV defence gene

Professor Michael Malim and his team at GKT School of Medicine have isolated a human gene that inhibits HIV infection. His research, published in *Nature*, received widespread media coverage, including BBC TV, Radio and Online News, Sky News, Independent Radio News and across the international, national and regional press.

Nurturing nature

A study showing how a particular gene (MAOA) reduces the risk of violent behaviour in adults who experienced childhood maltreatment was published in *Science* and reported across the national and international media. The

research was carried out by **Professor Avshalom Capsi** at the Institute of Psychiatry; his colleague **Professor Terrie Moffitt** was widely quoted in the press.

Bridging the gap

The housing market has been the subject of various columns written by **Professor Chris Hamnett**, Department of Geography, for *The Independent*. Professor Hamnett outlined some reasons why the predicted boom in housing inheritance had not yet occurred and noted that the media obsession with London house prices conveniently ignores that when prices in London stop rising, they keep going up elsewhere.

IVF mix-up

Penney Lewis of the School of Law (Centre for Medical Law & Ethics) and **Professor Lynn Fraser** (Department of Anatomy, Cell & Human Biology) were variously interviewed for ITV London Today/Tonight, BBC Online, *The Independent*, *The Times* and *The Daily Mail* on the implications of the case of black twins born through IVF to white parents.

Pregnant pause

Mothers-to-be who become highly stressed during pregnancy are twice as likely to have children suffering from hyperactivity and attention problems, according to research lead by **Dr Thomas O'Connor** at the Institute of Psychiatry, as reported in *The Daily Mail*, *Daily Mirror*, *The Daily Telegraph*, *The Guardian* and regional press.

To note or not

The New Yorker recently set aside four tightly-packed pages for **Professor Ann Thompson**, Head of Department of English, to talk about her work as Editor of the new Arden version of *Hamlet*. This will be the first fully annotated edition to include all three of the earliest texts of the play. It will appear in 2004.

Talking wounded

The use of technology in the treatment of chronic wounds was the subject of an interview by **Dr Tricia Grocott** (School of Nursing & Midwifery) for BBC Radio 4's *Case Notes* programme this summer.

Full as an egg

Professor Lucilla Poston (Division of Women's & Children's Health) was interviewed for over 20 regional radio news programmes during National Pregnancy Week (an event organised by Tommy's, the baby charity, which also funds Professor Poston's chair). Topics included premature birth, pre-eclampsia and general nutritional advice.

Assessing exams

There is only a modest correlation between A level grades and final degree classifications, according to front page stories in *The Independent* and *The Daily Telegraph* quoting **Professors Dylan Wiliam** and **Paul Black**'s work on the reliability and validity of examination results (Department of Education & Professional Studies) and giving a new twist to the annual furore over A level standards. Their research was featured in all the national newspapers and on TV and radio stations.

Andrew Coyle

Dr Andrew Coyle has been the Director of the International Centre for Prison Studies in the School of Law since 1997. Earlier this year he set up the international monitoring teams overseeing the confinement of six Palestinians in a jail in the West Bank town of Jericho. This joint monitoring mechanism was key to the deal under which Israel agreed to withdraw its forces from Yassar Arafat's compound in Ramallah.

What's the Centre's main work?

There are two key aspects. The first is policy-related research into imprisonment and its uses. Our research in this country includes work on the development of what we are calling the Restorative Prison and also an analysis of how to make the concept of humanity integral to the way prisons are managed. At an international level we have published material on prisoners as citizens and the effect of privatisation on prisons.

The second major part of our work consists of a variety of international projects on prison management within a human rights context. We are currently working in a number of countries including Russia, where we have a project that is developing partnerships between prisons in the UK and Moscow, Brazil, Chile and Venezuela. One of our most challenging programmes is in Turkey, where we have four projects, one of which is helping to develop a system of independent monitoring of prisons.

The Centre also has a very popular website at www.prisonstudies.org. This includes the first online set of data on prison systems in over 200 countries. This part of the site, World Prison Brief, attracts a great deal of interest from international media and

other researchers who need quick access to comparative statistics.

What did you do before King's?

For six years until 1997 I was Governor of Brixton Prison and before that I governed three major prisons in Scotland. Throughout that time I maintained a strong interest in the academic world.

How were you appointed to lead the monitoring team?

At the end of last year the Prime Minister offered to provide a team of UK-led monitors to verify that the Palestinian prisoners who were accused of assassinating the Israeli Information Minister were being held by the Palestinian Authority in secure custody. The Israelis and Palestinians accepted this offer and the Foreign Secretary asked me to set up the necessary arrangements.

What did your role involve?

Earlier this year I went to Ramallah to see the situation for myself and to have discussions with Yasser Arafat about what the monitoring would involve. I also went to Jerusalem for talks with Israeli officials. In May I returned to arrange for the transfer of the six prisoners from Ramallah to the prison in Jericho and to set up the joint UK/US monitoring teams.

What was the most difficult part of your involvement?

Over a 72-hour period I had to assess the level of security in Jericho Prison and negotiate the exact conditions of detention with the Palestinian Authority; then go immediately to join the US and UK Ambassadors for discussions with the Israeli Government. These culminated in a face to face meeting with Ariel Sharon so that he could satisfy himself that I was 'a serious person'. We then completed arrangements for the safe transfer of the six prisoners along with the international monitors from Ramallah to Jericho.

How did it end?

Round-the-clock monitoring by the international team is still going on. I have since been back at the request of the parties to satisfy myself that the arrangements are working as planned. My main concern at all times has been to minimise the personal risk to the UK and US monitors.

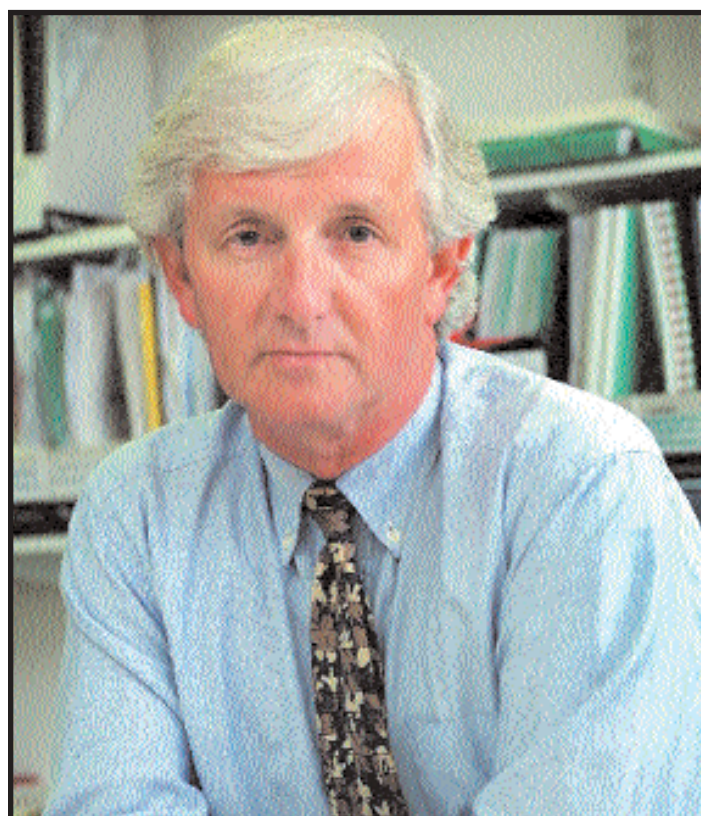
Their presence has been important to the peace process and it is no coincidence that Jericho is the one city in the West Bank that has not been entered by the Israeli Defence Force.

What's next for you and the Centre?

In early November my latest book *Managing Prisons in a Time of Change* will be published to coincide with a major seminar in Strasbourg for heads of European prison administrations. Later that month the Foreign Secretary will launch a handbook on *Human Rights and Prison Management*, produced by the Centre.

The Centre is now a focus of international work on prison health care and this work is likely to increase in importance in the future.

On the wider scene, we will continue to urge governments, including our own, to consider the fact that the safety of society is not improved by excessive or inappropriate use of imprisonment.



Paul Hackett

Development news

Maughan Library gifts

The College has received several additional gifts for the Maughan Library following the completion of the fundraising campaign. The Charles Hayward Foundation has made a gift of £45,000 towards the restoration of the mosaic floor in the Weston Room, and donations have also been received from the Steel Charitable Trust (£15,000) and the Garrick Charitable Trust (£10,000) towards the building.

Greek Embassy Dinner

We were very grateful to the Greek Ambassador for holding a dinner in honour of the Centre for Hellenic Studies at his private residence in Brook Street, Mayfair.

The occasion was an opportunity for the Centre to launch a new Postgraduate Scholarship Fund, named in

memory of Eleutherios Venizelos, one of the 20th century's most eminent Greek statesmen. Venizelos, together with his wife Helena (née Schilizzi) played a major role in establishing the Koraes Chair of Modern Greek at the College and, later on, helped to set up the Department of Byzantine & Modern Greek Studies.

Madame Venizelos' family continues to support King's today through the Schilizzi Foundation Scholarships which are awarded annually to students of Greek nationality to enable them to study for a first degree at King's.

The Venizelos Scholarship Fund received its first gift from Mr and Mrs Nicholas Egon, generous supporters of the Centre for Hellenic Studies, and in particular, of the annual Runciman Lecture.

Deno Leventis

We were saddened to hear of the death of Deno Leventis, a long-term supporter of the Centre of Hellenic Studies who, as a

philanthropist and conservationist, fought tirelessly to preserve the cultural heritage of his native Cyprus.

The Leventis Foundation's most recent gift to the College was in support of the Robert Browning Memorial Fund, which supports postgraduate research in any aspect of Hellenic studies.

Thanks to the support of the Foundation and many others, the first Browning Scholarship has been awarded this year to Thiresa Spilioti, whose research will focus on Literacy & Orality in Modern Greek Discourse.

In memoriam gifts

Last issue we announced the establishment of two funds in memory of members of staff. We are delighted to report on the success of each of them.

Jeff Price Memorial Fund

The fund established in Jeff's name has received in excess of £11,000 from alumni and friends and will be used to create a

studentship in the Law School.

For further information, please contact Maria O'Donnell on 020-7848 3234 or by email at maria.o'donnell@kcl.ac.uk

John Taylor Prize in Modern Literature

The John Taylor Memorial Fund has raised over £5,000 and continues to grow, thanks to the generosity of staff and alumni. The Fund will endow an annual book prize for a second year undergraduate in the Department of French for his or her outstanding performance in a modern literature course.

For further information, please contact Rosie Caley on 020-7848 3369, or by email at rosie.caley@kcl.ac.uk

Diary dates

KCLA Annual Dinner

18 October
Churchill Room, Houses of Parliament

The guest speaker will be Mr Gareth Thomas MP

Old Students' Day

6 December
Guy's Campus
Continuing professional development day for medics

For more information on all of the above, contact 020-7848 3053



Extra time: Old team mates caught up at the Sports Reunion on the 28 September held at Berrylands and at the Strand Campus

Music at King's

Ancient, modern and experimental



Thurston Dart
pioneered the
recording of early
English music

The history of music teaching and performance at King's dates back to the earliest decades of the College. As early as 1842 the singing in King's chapel was described as 'far superior' to that at Westminster Abbey or St Paul's. William Henry Monk (1823-89), who became director of the College choir in 1847, was the first musical editor of *Hymns Ancient and Modern*, contributing 15 tunes of his own composition including 'Abide with me', which he is said to have completed in only ten minutes.

The University of London established a degree in music in 1877 and set up the King Edward VII University Professorship as a part-time chair at Trinity College of Music in 1902. In 1962 the University made the long overdue recommendation that a full-

time Chair and Faculty of Music should be established at King's.

The King Edward VII Chair at King's was offered to Robert Thurston Dart. Dart had been Professor of Music at Cambridge, but had been unable to reform the Cambridge syllabus as he wanted. In 1964 he was keen to take up the opportunity to establish a teaching faculty in London on new lines. His scheme for the BMus greatly reduced the emphasis on vocational training and opened out the subject to a wide range of intellectual, critical and historical enquiry. There were compulsory papers in the history of instruments (not restricted to European instruments, nor to the last 500 years) and in 20th century music, and students learnt to place music in the context of the intellectual,

literary, artistic, religious and social life of its time. To make room for all this, Dart drastically reduced the technical musical exercises of the BMus. He put up a Dantean sign above the entrance to his faculty which read 'Abandon counterpoint all ye who enter here'. However, this new BMus proved a very attractive degree, and within a few years London had the largest and most varied collection of music students in the country.

From 1955 to 1959 Dart had been artistic director of the Philomusica of London and, with Granville Jones and then Neville Marriner as concert masters, he directed numerous per-

'Abandon counterpoint all ye who enter here'

formances and recordings. His only published book was *The Interpretation of Music* (Hutchinson, 1954), but his editorial work included the re-editing of the works of the English madrigalists and of William Byrd. His lectures were memorable for their meticulous preparation, excellent delivery and stimulating content; many of his students in their turn went on to become influential in the field of English music.

Dart was hugely energetic in all of his roles, but in March 1971

he died of cancer at the early age of 49. One of his greatest achievements was to establish the study of music at King's at the very high level he advocated. A Chair of Performance Studies in his name was created at King's, and the current incumbent, Laurence Dreyfus FBA, like Dart, combines teaching and research with the performance of English consort music.

The Department of Music now has a teaching staff of 12, and both teaching and research have recently received the highest ratings. Distinguished composers among the staff in the last few years have included Peter Wishart, Nicola LeFanu and her husband David Lumsdaine, and (as Henry Purcell Professors of Composition) Sir Harrison Birtwistle and George Benjamin. Performing links with London's South Bank Centre are strong, and the College benefits enormously from its location at the heart of the one of the world's great musical cities.

King's and the Royal Academy of Music (RAM) now have a close and productive relationship. The BMus and MMus in Performance, developed jointly by RAM and King's, have made a significant impact on the quality of musical education in this country. Dart's influence continues to be strong, but the varied tradition of excellence in music at King's is set to continue to evolve and develop in many directions. The Choir, too, continues to go from strength to strength and has just completed its first tour of the USA.

Christine Kenyon Jones

Records Manager

Jonathan Whiting has been appointed as King's first dedicated Records Manager.

Based in the Archives & Corporate Records Services, he will work with schools and departments to develop a College-wide records management programme, building on existing good practice such as the production of a Records Disposition Schedule.

Good records management is vital for the successful implementation of Freedom of Information and Data Protection legislation.

On a more practical level, he can advise on freeing-up office space by improving the way filing systems are managed, simple ways of managing electronic records and reducing the administrative burden of filing.

To find out more contact ext 2076 or email jonathan.whiting@kcl.ac.uk

Senior Common Room

Membership of the Strand Campus Senior Common Room is open to all members of staff, including those on other campuses, and post-doctoral students. Members based at the Strand who are full-time staff pay a subscription of £24 per annum, whilst those based elsewhere and all part-time staff pay £12 per annum.

Anyone wishing to join or wanting more information should visit the SCR website: click on 'Campus facilities' on the King's staff webpage.

Discourse and Social Interaction Network

The King's Discourse and Social Interaction (DSI) network provides a forum for staff and research students working on a wide range of communication, language and discourse issues.

The network, established in June 2000 with a grant from the Principal's Discretionary Fund, holds regular meetings involving seminars on members' current research, and lectures by distinguished outside speakers. The topics have included discourse and gender, interaction in educational and medical settings, the analysis of interviews and narrative, and the relationship

between discourse analysis and social theory.

Since DSI participants have a variety of disciplinary backgrounds, it has also been possible to arrange training courses focusing more intensively on particular paradigms and methodologies (supported by the Staff Development Unit). If you are interested in joining, contact dsi@kcl.ac.uk, and for more information see www.kcl.ac.uk/sspp/dsi

The Art of Dying

The Art of Dying is a year-long symposium of debates, lectures, conferences, exhibitions and performances organised within the **Humanities at King's** programme for 2002-2003.

Events begin in October with a debate entitled *Matters of Life & Death* (October 11), which will examine issues around the preparation for death in the 21st century. Speakers include **Miri Rubin, Dame Cicely Saunders and Lewis Wolpert** and the event is chaired by **Sir Cyril Chantler**.

The next event in the series is a lecture on the theme of *The Nature of Death: Past, present & future* (October 21). Speakers include **David Armstrong, Janet Askham, Siân Ede, Rebecca Flemming, Kathleen M Foley, Richard Hillier, Brian Hurwitz** and **Robert Mills**.

In November, a one-day workshop featuring **Nicholas Christakis, Ilora Finlay, Claire Gittings, Murray Rae, Jane Seymour, Rev Peter Speck, Tony Walter and John Wolffe** will focus on issues relating to *Prognosis & Preparation: Historical & Clinical Perspectives* (November 11).

The Fison Memorial Lecture *A pretty pass: When is there a right to die?*, given by **The Right Honorable Lady Justice Hale**, takes place on 24 October.

For further information or to request a brochure, telephone 020-7848 2929 or email art-of-dying@kcl.ac.uk.

The website address is www.kcl.ac.uk/depsta/humanities/art_of_dying



UK: Diet and poverty

Dr Michael Nelson, Senior Lecturer in the Department of Nutrition & Dietetics, writes about a major national study commissioned by the Food Standards Agency into diet in low income households, in which the Department is playing a leading role.

When in 1864 Edward Smith described the plight of poor families in Lancashire devastated by the cotton famine, he highlighted their inability to afford a wholesome and healthy diet. Now, 140 years later, the problem of food poverty remains.

In the UK today, poor families have far worse health than the rich, and much of that can be attributed to an unhealthy diet. More alarming still, in the last 20 years the diets of the poor have got worse, not better, and the dietary differences between rich and poor have grown.

One of the first acts of the New Labour administration in 1997 was to commission an Independent Inquiry into Health Inequalities, chaired by Sir Donald Acheson. His report described the extent of health inequalities in the UK and their underlying causes.

By identifying them, the

Acheson report brought to light the many inter-linked social imbalances that needed to be redressed. In relation to food, it emphasised the complexity of the interactions at national, local, household and individual level that determine access, availability and choice.

In the last 20 years the diets of the poor have got worse, not better

Since the mid-1990s, numerous reports have highlighted the problems faced by poor households when trying to obtain an adequate and healthy diet. The problems are due, fundamentally, to lack of money, but this is compounded by a host of other factors such as low levels of car ownership and reliance on more

expensive local shops.

In response to this renewed awareness, the Food Standards Agency has commissioned a series of studies to improve our understanding of the ways in which poverty and nutrition interact. The Department of Nutrition & Dietetics at King's has played a leading role in this work. The first two projects looked at how best to gather nutritional information. Their aim was to develop robust dietary tools to collect data on food consumption in deprived households.

The difficulties of collecting dietary data are compounded in low income households by the diverse eating habits of families of different ethnic origins, by collecting data from people whose first language is not English and by coping with limited literacy and numeracy. The forthcoming report will describe

not only the methodological findings but also the characteristics of the diets of the poor and the associated barriers to healthy eating.

In December 2001, the Food Standards Agency awarded more than £4 million to the National Centre for Social Research to undertake a national survey of diet in low income households. Part of this award, £900,000, will come to the Department to fund a team of four nutritionists over three and a half years. The project leader is Dr Nelson.

The aims of the new study are:

- to characterise the diets of a sample of 3,600 adults and children living in low income households
- to examine environmental, socio-economic, psychological and ethnic influences on diet
- to understand the factors that limit access to healthy and affordable diets
- to explore policy options to improve the nutritional health of the poor.

One of the key problems in nutritional epidemiology is the valid measurement of diet. An important challenge in the current project (and a central reason for the participation of King's) is to distinguish between under-reporting (for example, not reporting all sweets and snack consumption) and true low levels of food consumption. A feasibility study has just been completed to test the survey tools for the main survey to be carried out in 2003. The aim is to report the findings of the main survey in April 2005.



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Inequality: a series of studies have been commissioned by the FSA to improve the understanding of the ways in which poverty and nutrition interact.

Fellowships and Grants

Winston Churchill Memorial Trust

The Winston Churchill Memorial Trust annually awards 100 Travelling Fellowships to British citizens. The Fellowships enable people to acquire knowledge and experience abroad. They are offered in the following categories: Europe; Conservation and the Environment; Museums and Galleries, the Place of Religion in the Modern World; Small Business Creation, Sustainment and Careers; Young People; Medical and Health; Science and Technology; Sports Projects, Adventure, Exploration and Leaders of Expeditions.

In addition one Fellowship is offered in each of the following: Canoeing; a project in the field of history; a maritime project (exclusively for applicants from the North East of England).

Applicants interested in the Fellowship scheme should contact the Winston Churchill Memorial Trust on 020-7584 9315 or see www.wcmt.org.uk for more details. The closing date for completed application forms is 30 October.

Heritage grants

The Heritage Lottery Fund (HLF) distributes funds from the Lottery to support projects that relate to the national, regional or local heritage of the UK.

To qualify for a grant all projects should conserve and enhance the UK's diverse heritage, or encourage more people to be involved in their heritage, or both. Projects must also ensure that everyone can learn about, have access to and enjoy their heritage.

Applicants should show why the project they are putting forward qualifies for funding. For further information about the HLF and grant programmes see www.hlf.org.uk.

Dream Time fellowship

NESTA (National Endowment for Science, Technology and the Arts) has introduced a new fellowship entitled 'Dream Time'. It is open to individuals with an outstanding track record to develop potential for the benefit of their profession. It offers a concentrated period of 'time out', financial support and personal guidance to help generate new thinking, and to support their creative potential.

Initially six awards will be made in science, technology and the arts. They will be for up to one year and to a maximum of £40,000. Applicants who are eligible for funding from other sources are not encour-

aged to apply, but rather exceptionally talented achievers who want concentrated time to follow a passion but who also want to return to their career and put what they have discovered to good use.

For full criteria and an application form, visit www.nesta.org.uk/dreamtime.

Pharmacy Research

The Department of Pharmacy has produced a research report for 2000-01. Edited by Ben Forbes and Marc Brown, it profiles the research activity of the Department and describes the facilities and organisation of research groups. The achievements of each group are summarised and highlights are illustrated.

The objectives of the report are to:

- encourage interdisciplinary collaboration within the Department, School and College
- invite collaboration with industry, health authorities and other external agencies
- attract high quality research students to postgraduate study.

The report is available from the Department and has been placed on the Pharmacy web pages.

In brief

Nursing Unit

In June the UK's first ever Primary Care Nursing Research Unit was launched, a collaboration between King's, University College London and two NHS partners. The Unit will produce high quality research into many aspects of nursing in primary care. Dr Toity Deave is the Unit's research fellow in the Florence Nightingale School of Nursing & Midwifery.

Summer School

The CCP5/SIMU International Summer School on Methods in Molecular Simulation was hosted by the Department of Pharmacy

in July. Sixty-five participants from countries all over Europe attended, including biologists, chemists and physicists. Dr Jamshed Anwar from Pharmacy was the local organiser.

Monash Centre opens

Monash University has officially opened its new premises at King's on the Strand to develop opportunities for Monash students in the UK and Europe. King's and Monash University in Melbourne have a 10-year agreement promoting institutional links.

New V-C

Professor Sir Graeme Davies is to become the next Vice-Chancellor of the University of London. He is currently Principal and

Vice-Chancellor of the University of Glasgow. He will take up the post when the current V-C, Professor Graham Zellick, completes his six-year term of office on 30 September 2003.

Courtauld Institute

Professor James Cuno of Harvard University has been appointed Director of the Courtauld Institute of Art from 6 January 2003. He will succeed Professor Eric Fernie who retires at the end of the year. The Courtauld became the 18th college of the University of London on 1 August.

AHRB

A Government report has recommended that the Arts & Humanities Research Board (AHRB) should become a Research Council. Arts and humanities

researchers constitute nearly a quarter of all research-active staff in higher education. Each year AHRB makes approximately 600 advance research awards and almost 2,000 postgraduate awards.

Research review

Hefce is to conduct a major review of research assessment in partnership with the other UK higher education funding bodies. The review will take account of the impact of the 2001 Research Assessment Exercise. The College's Research Committee will be responding to the consultation process.

Campaigning spirit for 2003



Prime time: a delegation from the Students' Union deliver its petition against student debt to 10 Downing Street

As David Utting, the new Students' Union President, takes up his role, he looks ahead to the challenges of his year in office.

'The Students' Union has been enormously busy over the summer preparing for the new year. The Trustees and Executive Committee are all new and extremely enthusiastic. We've been away on various training courses looking at the role of the Union and planning what we've been mandated to do. One of our big priorities this year will be strengthening the College Course Rep system by providing independent training and support.

This is also going to be a very important year in terms of HE funding. The Government is expected to make an announcement soon and it's up to the students to respond. The NUS con-

tinues to call for targeted grants and the abolition of upfront tuition fees, and England remains the only country in the devolved nations not to respond.

Other campaigns include our on-going lobby of College to limit hall fee increases to no more than the rate of inflation, and to follow up the College audit on Anonymous Marking raised by the Union last year.

Our two campaigns for Freshers are meningitis and drug rape awareness. It's important students are familiar with the signs of meningitis, and to know about the extended immunisation programme. The Union is similarly working with the Drug Rape Trust to promote safe drinking habits in London's pubs and bars.

Also, we're planning campaigns on breast and testicular cancer, sexual health awareness,

culminating in World AIDS day, and running a joint campaign before Christmas with the Nolan Trust on alcohol awareness.

The Union continues to provide excellent services in Academic Advice, Representation and Campaigns, and in student activities, including sports clubs, societies, volunteering and RAG.

The Commercial Services and employment opportunities go from strength to strength. Highlights include the opening of the new Resource Centre on the first floor of the Macadam Building, the refurbishment of Tommie's Bar over the summer and £30,000 of new equipment for K4 Fitness on Stamford Street. We've also installed a new PA in Tutu's.

The Students' Union is as much about participation as representation and we hope to get as many people involved as possible this year.'

News round-up

Rogério Almedia

Rogério Almedia, a PhD student in the Guy's, King's & St Thomas' School of Biomedical Sciences, was awarded the International Student House Laurel (Achievement Award) for his outstanding contribution and service to the international community over the last year.

He is President of the Association of Brazilian Postgraduate Students & Researchers in the UK and currently studying for a PhD in Physiotherapy. This is the first time a postgraduate from King's has been awarded with this laurel.

Henley Regatta

King's Boating Club represented the College in the Temple Challenge Cup at Henley Royal Regatta in July, only the second King's crew to qualify in recent years. The draw set the team against Yale University from the USA – one of the few seeded crews and previous outright winners of the event.

Captain of the Boating Club, Jon Potts, described the race: 'Yale's blistering fast start put us over a length down only two minutes into the race, which then lengthened to two lengths by the mile. King's dug in and pushed back on Yale through the Enclosures, unfortunately not sufficient to row through but narrowing our losing margin to a credible one length.'

The boat, used at Henley for the first time this year, is to be named *General Sir John* after a previous Principal of King's, General Sir John Hackett, in a ceremony to take place later in the year. It was bought following a grant from the Annual College Fund.

Beating the Retreat

Mohamed Panchbaya



The Guy's Campus was the venue for a splendid evening of music, pomp and pageantry last month when the Regimental Band of the Scots Guards performed the Ceremony of Beating the Retreat.

Some 40 musicians marched on the Memorial Gardens, between New Hunt's House and the Hodgkin Building, performing music ranging from *Rule Britannia* and *Land of Hope and Glory*, to *Knees up Mother Brown* and the *Last Post*. At the end of their performance the Drum Major approached the Principal, Professor Arthur Lucas, and

requested permission to march off parade. The Band then played the Regimental Marches of the Royal Army Medical Corps

The beating or sounding of the Retreat has its origins in the 16th century

and the Royal Army Dental Corps whose senior officers were also present.

As they marched off the campus there was a display from Confetti Magic who fired hundreds of ribbons and a large

confetti bomb into the air.

The beating or sounding of the Retreat, which has its origins in the 16th century, has evolved over time. In 1727 it was described thus: 'half an hour before the setting of the sun the Drummers and Port-Guards are to go upon the ramparts and beat a Retreat to give notice to those without that the gates are to be shut. The Drummers will not take more than a quarter of an hour to beat Retreat.'

The modern version is not unlike the 18th century procedure: the ceremony, usually at sunset, denotes the end of the

working day and heralds the mounting of the Guard.

The Band of the Scots Guards, formed in 1642 by Charles I, today includes some of the finest instrumentalists in the services. Stationed in London, it shares with the other four Foot Guards Bands the duties of the daily Guard Mounting at Buckingham Palace. It also takes part in national ceremonies such as Trooping the Colour as well as touring extensively abroad.

Further musical entertainment was provided by two opera singers from a group called Opera on the Run. With their ghetto blaster in hand they wandered amongst the audience singing various arias and songs from Broadway musicals such as *Nessum Dorma* and *I Could Have Danced All Night*.

The evening was organised by Martin Harvey, Manager, Site Services, Guy's Campus, who said: 'It was a particularly nostalgic evening for me as I served in the Band of the Scots Guards for 14 years – it took me back!'

The proceedings were sponsored by King's, the GKT Dental Students Society and the GSTT Charitable Foundation.

What's on at King's

Enclosed with *Comment* is *What's On*, a diary of events open to the public.

More than 40 pages of lectures, seminars and events are listed.

