
The

HERTFORD

COLLEGE

Magazine



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2009



The Principal and Bursar contemplate the refurbished frontage.

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Editor's Note

It is highly appropriate to offer as a frontispiece to this issue a photo of the Principal and the Bursar surveying the refurbished Catte Street frontage with evident satisfaction. On them have ultimately rested the responsibilities and anxieties involved in embarking on this major and necessary capital project at a time of financial stringency, and while the Principal had to suffer from prolonged deprivation of natural light and other inconveniences in the Lodgings, the Bursar was faced with awkward sums and the general expectation that his office entails the capacity to deal with any arising emergency. During the months in which it has been shrouded in plastic sheeting many must have wondered whether the building might break loose from its foundations in a high wind. Now that the scaffolding has been removed to New College Lane the façade's repristination brings widespread approval.

It is also a pleasure to record the celebration of the Chapel's centenary, culminating in Sir Nicholas Jackson's lecture on the work of his grandfather, the architect Sir Thomas Graham Jackson, part of which is reprinted below. The Chaplain's survey outlines the very full programme of events highlighting the Chapel's enduring role in the life of the College, memorably exemplified in May by an occasion which was not part of that programme, the memorial service for Neil Tanner, of which Robin Devenish provides an account.

This is the last issue of the *Magazine* that I shall edit; in 2010 I hand over to Charlotte Brewer, to whom it will fall to celebrate the centenary of the *Magazine's* first issue. Since I took over in 2005 I have tried to offer as fair a picture as I could of the activities of Hertford's members, both present and past, though I am acutely aware of gaps in coverage. In this congenial retirement job I have learnt a great deal about the College and have come to realise the importance of the *Magazine* as a record. Institutional memory is fragile, and what at the time appears unforgettable, alarmingly quickly falls victim to the vagaries of oral tradition, while the replacement of well established routines by new conventions often goes unrecorded until the change turns out to have more serious implications than anyone had foreseen. While comprehensive insurance against the iniquity of oblivion is impossible, the *Magazine* can provide some fixed points to stabilise recollection. But very much depends on the goodwill of contributors; what nobody is willing to write about will be overlooked. I have no doubt that under Charlotte's editorship, the gaps will markedly diminish.

Increasing editorial experience has not reduced my need for help in the preparation of the *Magazine*, and the willingness and efficiency with

which it has been provided have been most heartening. I am particularly indebted to Sue Finch and Thea Crapper in the College Office, Greg Jennings and the IT team, Sarah Salter in the Development Office, Jill Symons, the Principal's Secretary, Susan Griffin, and Graham Jones, the Secretary of the Hertford Society. Greg and Thea have provided all but one of the photos (frontispiece and Plate 1 GJ; Plates 3 and 4 TC). It is both a pleasure and a duty to thank them all warmly for their support, not only with this issue but throughout my period as editor.

Stephanie West
December 2009

HERTFORD COLLEGE

Visitor

The Rt Hon. C.F.Patten, CH, MA, DCL, *Chancellor of the University*

Principal

J. M. Landers, MA (PhD Camb), DLitt, FRHistS

Fellows

T. C. Barnard, MA, DPhil, FBA, FRHistS, MRIA (Hon), *Armstrong-Macintyre-Markham Fellow and Tutor in History, Archivist, Fellow Librarian,*

R. C. E. Devenish, MA (MA, PhD Camb), *Professor of Physics, Tutor in Physics, Dean*

T. Wilson, MA, DPhil, FEng, *Professor of Engineering Science, Tutor in Engineering*

D. I. Stuart, MA (BScLond, PhD Brist), FRS, *Professor and Senior Research Fellow in Molecular Biophysics*

T. C. Cunnane, MA (BSc Bath, PhD Glas), *Tutor in Physiological Sciences*

P. A. Bull, MA (BSc, MSc, PhD Wales), *Tutor in Geography, Tutor for Admissions*

C. D. Brewer, MA, DPhil, *Professor of English, Tutor in Mediaeval English, Tutor for Women*

C. J. Schofield, MA, DPhil (BSc Manc), *Professor of Organic Chemistry, Tutor in Organic Chemistry*

P. Coones, MA, DPhil, *Supernumerary Fellow, Tutor in Geography, Dean of Degrees*

R. F. Foster, MA (MA, PhD, Hon LittD Dub, Hon DLitt Aberdeen, Belfast, DLaws Hon Queen's, Ontario), FBA, FRSL, FRHistS, *Carroll Professor of Irish History*

T. N. Paulin, MA, BLitt (BA Hull, Hon DLitt Hull, Saskatchewan, Staffordshire), *G M Young Lecturer and Tutor in English*

P. F. Roche, MA (BSc, PhD Lond), *Professor of Physics, Tutor in Physics*

F. P. E. Dunne, MA (BSc Brist; MEngScNUI; PhD Sheff), *Professor of Engineering Science, Tutor in Engineering*

S. J. New, MA (BSc S'ton, PhD Manc), *Tutor in Management Studies, Investment Bursar*

K.E. Davies, MA, DPhil, FRS, DBE, CBE, *Dr Lee's Professor of Anatomy*

- E. Smith, MA, DPhil, *Tutor in English, Senior Tutor*
- B. M. Frellesvig, MA (MA, PhD Copenhagen), *Professor of Japanese, Tutor in Japanese*
- A. Woollard, MA, DPhil (BSc Lond), *Tutor in Biochemistry, Drapers' Company Fellow*
- Z. F. Cui, MA, DSc (BSc Inner Mongolia Institute of Technology, MSc, PhD Dalian University of Technology), *Donald Pollock Professor of Chemical Engineering*
- A. L. Young, MA, BCL, DPhil (LLB Birm), *Tutor in Jurisprudence, Drapers' Company Fellow*
- R. Davies (BMedSci, DrMed S'ton), FRCP, *Senior Research Fellow, Co-ordinator for Clinical Medicine, Professor of Respiratory Medicine*
- T. Suzuki, MA, DPhil (BSc, MSc Lond), *Tutor in Management Studies*
- C. Vallance, (BSc, PhD Canterbury), *Tutor in Chemistry*
- D. R. Greaves, (BSc Brist; PhD London), *Tutor in Cellular Pathology*
- H. Bayley, MA (PhD Harvard), *Professor of Chemical Biology*
- R. N. E. Barton, MA, DPhil (BA Birm; DEA Bordeaux), FSA, *Professor of Palaeolithic Archaeology, Tutor in Archaeology*
- A. Bogg, MA, BCL, DPhil, *Tutor in Jurisprudence*
- A. Lauder, MA (BSc Glas, PhD Lond), *Tutor in Mathematics*
- M. C. J. Maiden, (BA, BSc R'dg, PhD Camb), *Professor and Tutor in Biological Sciences*
- D. S. Thomas, MA, DPhil, *Professor of Geography*
- D. M. Hopkin, (MA, PhD Camb), *Tutor in History*
- K. S. Lunn-Rockcliffe, MA, DPhil, *Tutor in Modern Languages, Secretary to the Governing Body*
- P. Millican, BPhil, MA (MSc, PhD Leeds), *Gilbert Ryle Fellow and Tutor in Philosophy*
- C. J. Tyerman, MA, DPhil, FRHistS, *Supernumerary Fellow, Tutor in History, Tutor for Graduates*
- D. McCormack, (BA NUI, DPhil Brist), *Tutor in Human Geography*
- A. Murphy, DPhil (BA Dub, MSc Econ (LSE)), *Tutor in Economics*
- P. Chrusciel, MA (MSc PhD Warsaw), *Professor of Mathematical Physics, Tutor in Mathematics*
- S. Henry, DPhil (MSc Durh), *Tutor in Physics*
- J. J. Kiaer, (BA, MA Seoul National University, PhD Lond), *Tutor in Oriental Studies*
- C. Gutiérrez-Sanfelíu, (BA Tarragona, MA PhD Nott), *Mellon Career Development Fellow and Junior Research Fellow in Spanish*
- D. A. Williams, MA, DPhil (AB Harvard, MPhil St And), *British Academy Postdoctoral Fellow and Junior Research Fellow in English*
- M. C. Lake, (MA Camb MSc Sur, PhD Lond, MInstP), *FRMS Junior Research Fellow in Science*
- P. A. Dryden, MA, *Director of Development*
- S. W. B. Lloyd, MA, *Bursar*

Emeritus Fellows

E. M. Vaughan Williams, MA, DM, DSc, FRCP
J. S. Anderson, BCL, MA (LLB Lond)
A. O. J. Cockshut, MA
N. G. McCrum, MA, DPhil, DSc
M. J. Dallman, MA, DPhil (BSc Brist)
J. R. Torrance, MA
R. W. Guillery, (BSc, PhD Lond), FRS
E. A. Holmes (MA, PhD Camb)
L. Solymar, MA (PhD Hungary), FRS
G. C. Stone, MA (BA, PhD Lond), FBA
G. K. Yarrow, MA (MA Camb)
B. F. Steer, MA, DPhil.
K.A. McLauchlan, MA (BSc, PhD Brist), FRS
K. Day, (BSc, PhD Melbourne)
M. Biddle, MA (MA Camb), FBA, FSA, OBE
R. M. Pensom, MA (BA, MA Manc, PhD Exe)
G. J. Ellis, MA, DPhil
S. R. West, MA, DPhil, FBA
W. D. Macmillan, MA (BSc, PhD Brist)
P. R. Baker, MA (BA, MA R'dg)
W. A. Day, MA (MA Camb, PhD Carnegie Mellon)

Honorary Fellows

The Rt Hon Lord Ashburton, KG, KCVO, MA
Sir Ian Brownlie, CBE, QC, DCL, FBA, FRGS
Sir John Whitehead, GCMG, CVO., MA
Mary Robinson, DCL (Hon) (BA, LLB Dub, LLM Harvard)
Sir Nicholas Jackson, Bt., MA
Sir Christopher Zeeman, MA, DPhil (PhD Camb), FRS
Sir Bruce Pattullo, CBE
Baroness Warnock, DBE, MA, FBA (Hon)
General Sir Roger Wheeler, GCB, CBE, ADC
David Daniell, MA (PhD Lond)
The Rt Hon Lord Waddington, GCVO, PC, DL, QC
Drue Heinz, DBE (Hon)
Paul Langford, MA, DPhil, FRHistS, FBA
Tobias Wolff (MA Stanford), Doctor of Humane Letters *honoris causa*
Helen Alexander, CBE, MA (MBA INSEAD, CDipAF)
Sir Sherard Cowper-Coles, MA, KCMG, LVO
Richard Fisher, MA (BA Harvard, MBA Stanford)
Sir David Goldberg, MA, DM, FRCP, FRCPsych
Andrew Goudie, MA (MA, PhD Camb), *Master of St Cross 2003-*
Paul Muldoon, MA (BA Belf)
Lord Pannick, QC, BCL, MA

Rt Revd Thomas McMahon, *Bishop of Brentwood*
Sir Walter Bodmer, MA, Hon DSc (PhD Camb), FRCPath, FRS
Roger Van Noorden, MA
Jacqui Smith, MA

Chaplain

Revd Leanne Roberts, MA (MA Camb)

Lecturers

G. Glickman, (MACamb, PhD), *History*

C. Hambler, MA, *Human Sciences*

K. F.Hilliard, BA, DPhil, Fellow of St Peter's College, *German*

M. Malpas, MA, BLitt, *Linguistics*

D. Petropoulou, (BSc MSc PhD Lond), *Economics*

N. M. Simborowski, MA, *Italian*

M. Smallman, MA, (BA PhD Lond), *Spanish*

Editor's note: This list records the Fellowship as it stood on 30 September 2009.

The Principal's Letter

Regular readers of this column will recall that, at the time of writing last year, the College's Catte Street frontage was shrouded with scaffolding and plastic sheeting. As I write now, the last of these adornments have been removed and re-erected on the north face of the Old Buildings in New College Lane. The refurbishment work so far – unusually for a major capital project – has come in on time, under budget and without major mishap; though there were some nervous moments when the window surrounds proved less waterproof than had been thought, fortunately the sharp eyes and quick response of our librarian Susan Griffin prevented disaster to the cellar book stacks. The results to date certainly justify the expense, together with the inconvenience and deprivation of natural light that many of us have had to suffer over the last year. The restored frontage is strikingly impressive in the autumn sunlight - not least because of the handsome frieze above the gate which had gone un-noticed for many years in its previously begrimed state.

Buildings have been much in our minds this past year which also saw the centennial of the Hertford College Chapel. This was marked by a programme of events beginning with the Chapel's re-dedication in a service of evensong presided over by the Bishop of Oxford, and followed up by a very successful concert in which the Hertford chapel choir joined forces with old members in a performance that demonstrated the building's magnificent acoustic to great effect. The year was rounded off with a lecture by Sir Nicholas Jackson on the life and work of his grandfather Sir Thomas ('Oxford') Jackson, the Chapel's architect. We are very grateful to all those whose participation made these events so successful. It was particularly pleasing that the centennial year was also marked by the refurbishment of the long-ailing Chapel organ which was carried out over the Easter vacation thanks to the generosity of a number of former organ scholars and other friends of music at Hertford. The organ is now in full voice and an excellent accompaniment to our Chapel choir as well as a fine recital instrument in its own right.

Our buildings play a vital role in the life of the College; they provide us with the space in which we live and work, with shelter from the cold and rain (though some older Hertfordians may be a little sceptical on that point). The College is, nonetheless, ultimately a matter of people rather than buildings and many of our people distinguished themselves in the course of the year. Our Fellow in Engineering Professor Tony Wilson was elected to the Royal Academy of Engineering in recognition of his seminal contributions to confocal microscopy which was described as arguably one of the most significant advances in light microscopy in the last century. Founded in 1976 as the 'Fellowship of Engineering' under

the patronage of the Duke of Edinburgh, the Academy gained its Royal title in 1992 and aims to 'enhance the UK's engineering capabilities; to celebrate excellence and inspire the next generation; and to lead debate by guiding informed thinking and influencing public policy.' We congratulate Tony on this achievement – which was all the greater as he was also filling the role of College Bursar at the time.

Professor Bjarke Frellesvig, our Fellow in Oriental Studies, became Director of the University's newly-established Research Centre for Japanese Language and Linguistics. The new Centre is intended to function as an umbrella for research activities related to Japanese language and linguistics through the University, and Bjarke will combine his Directorship with continuing work on pre-modern Japanese linguistics for which he recently received an Arts and Humanities Research Council grant of over £800k.

Professor Robin Devenish, Physics Fellow and currently Dean of Hertford, was awarded the Max Born Prize given jointly by the Institute of Physics and the Deutsche Physikalische Gesellschaft to British and German physicists in alternate years. The citation recognised Robin's contribution to our understanding of the structure of nucleons which has led in turn to major advances in our understanding of quantum chromodynamics.

Roy Foster, Carroll Professor of Irish History has been awarded a British Academy Wolfson Research Professorship for the next three years in order to work on radicalisation of Ireland's revolutionary generation, 1890-1920. Only four such awards were made across the whole of the Humanities and Roy was successful in a field of more than 174 applicants.

Our Fellow in Earth Sciences, Dr. Ros Rickaby, was one of only 27 young British academics to be awarded a Philip Leverhulme Prize for outstanding young scholars. The citation recognised her as 'one of the most dynamic and innovative of the new generation of scientists working on the topical and important field of climatology'.

Hagan Bayley, Professor of Chemical Biology was named Entrepreneur of the Year by the Royal Society of Chemistry. Hagan recently founded Oxford Nanopore Technologies to develop the first single-molecule, label-free method DNA sequencing. The company has raised £25M in the last year and expanded its staff headcount from twenty-five to sixty.

Our Honorary Fellows also achieved distinction. Ms Helen Alexander (1975), who had previously stepped down as Chief Executive of the

Economist Group, was elected President of the Confederation of British Industry and a leading spokesperson for business at a crucial time in the country's economic history. Sir Sherard Cowper-Coles (1973) completed his term as British Ambassador to Afghanistan and returned to London where he has been appointed to the new post of Special Representative to Afghanistan and Pakistan. Sherard brings extensive experience of the region to his new assignment and we wish him well in the formidable tasks he has taken on. Professor Sir Ian Brownlie (1950) was knighted in the Queen's birthday honours in recognition of his services to Public International Law.* A practicing QC, Ian is the author of several standard works in international law – and most recently of *The Rule of Law in International Affairs*- and was Chichele Professor of International Law for twenty years until his retirement in 1999.

On the other side of the Atlantic, Mary Robinson, former Irish President and UN Human Rights Commissioner received the Presidential Medal of Freedom from President Obama. Established in 1945, the medal is the United States' highest civilian honour and is awarded to those who have contributed 'to the security or national interests of the United States, world peace, cultural or other significant public or private endeavours'. Also in the U.S., the Hon. Richard Fisher (1972) Governor of the Federal Reserve Bank of Dallas was inducted into the Dallas Business Hall of Fame. We also congratulate our Emeritus Fellow Professor Margaret Dallman on her appointment as Principal of the Faculty of Natural Sciences at Imperial College London.

A number of old members also achieved distinction. We congratulate Dr. Graham Kings (1973) on his consecration as Bishop of Sherborne, Mr. Nicholas Fishwick (1976) on being made a Companion of the Order of St. Michael and St. George for services to the Foreign and Commonwealth Office, and Mr. William Tyler (1964) on the award of M.B.E. for services to adult education.

Our undergraduates once again gave the lie to those who claim that the pursuit of excellence is incompatible with broadening access to higher education. Hertford's undergraduate finalists achieved thirty-five firsts among a cohort of ninety-nine, bringing the College to sixth place in the Norrington Table. At the same time the College maintained its attractiveness to state school applicants in the 2008 admissions round with sixty-six percent of our applicants coming from the maintained sector, against sixty percent in the University at large. Overall we had five applications for every place, the corresponding University figure being a little under four.

The year also brought its quota of arrivals and departures. We elected three new Fellows. Thanks to the generosity of the Drapers' Company, we were able to elect Dr. Sallie Burrough to a Junior Research Fellowship in succession to Dr. Charles West. Sallie works in the field of Quaternary Science and Dryland Environments, focusing particularly on long term climate change, environmental dynamics and human dispersal in central southern Africa.

Dr. Radek Zubek, our new Politics Fellow, joins us from the London School of Economics. Radek gained a Master's degree from the University of Poznan before pursuing doctoral research at LSE. His main research interests include the comparative study of executives and parliaments in Western and East Central Europe, Europeanization of domestic political institutions and national compliance with EU law.

Dr. Gabriel Glickman was also elected to a Junior Research Fellowship having been awarded a British Academy Postdoctoral Fellowship to work on the impact of imperial aspirations on British domestic politics and society in the later seventeenth century. Gabriel, whose *The English Catholic Community 1688-1745: Politics, Culture and Ideology* appeared in 2009, had been with us for three years as a College Lecturer during Dr. Barnard's research leave having previously studied at Pembroke College Cambridge.

On a domestic note, five of our Fellows celebrated new arrivals to their families in the course of the year, and we congratulate Drs. Alan Bogg, Jieun Kiaer, Alan Lauder and Mark Leake and Mr. Paul Dryden on the births of Alfie, Erica, Sarah, Christian and Daisy respectively.

We said good bye to our Fellow in Earth Sciences Dr. Ros Rickaby, who is moving on to a more research-oriented post elsewhere in the University and to our Fellow in Geography Dr. Derek McCormack. Derek was elected to a four-year fixed-term post here in 2006 and we were delighted when Mansfield College were able to offer him a permanent Fellowship. We will miss him greatly. Dr Carlos Gutiérrez-Sanfeliu, our Junior Research Fellow in Spanish, also left us, as his two-year Mellon Career Development Fellowship came to an end. We wish all three well in their new surroundings.

Sadly, the year took from us our Honorary Fellow, Professor Neil Tanner. Neil gave the College many years of service as Fellow and Tutor in Physics, but will be remembered by many for his association with Hertford's distinctive admissions policy, a trail-blazing achievement in the context of the 1960s. His memorial service, held in the College in April, was attended by many former students, colleagues and friends. We

were also saddened by the death in March of our Honorary Fellow Sir Nicholas Henderson (1937). 'Nicko' Henderson gave a lifetime of distinguished service to his country, latterly as Ambassador to Washington, and was a lasting – and most supportive – friend of his old College.

On the staff front we wished bon voyage to our Home Bursar Ms. Jo Roadknight. Jo joined us in 2007 in what was then a new position overseeing the Housekeeping, Catering and Maintenance Departments as well as the Lodge. We are very grateful for the excellent service she has given the College in her time here and wish her well in her new role as Domestic Bursar at Balliol. The Home Bursarship is now filled by Dr. Andrew Beaumont who has joined us from Lincoln where he took a DPhil in history before taking on the position of College Steward.

I began this column by talking about buildings and the practical service they render us, but our buildings also have a broader symbolic significance. They come down to us thanks to the generosity and the care of our predecessors; in our own time we care for them for the benefit of our successors as much as for our own. In this way they are a tangible symbol of the College community, a community uniting generations past, present and to come. It is therefore fitting to end this column, as the academic year ended, with the very successful telephone campaign conducted by the Development Office in the last week of September. It never seems to be a good time for University funding, but our present circumstances are particularly challenging with endowment income hit by the recession and the prospect of large cuts in public funding over the next few years. The positive reaction of our old members was therefore particularly gratifying and I should like to thank you all for your generous response. With your backing I am confident that we will be able to offer future generations of Hertfordians the same opportunities that we have been fortunate enough to enjoy.

John Landers

* It is with deep regret that we have to report Sir Ian Brownlie's tragic death in a car crash in Egypt on 3 January 2010. (*Ed*)

Fellows' and Lecturers' Activities

Archaeology

Work by *Nick Barton's* group was published in the *Proceedings of the National Academy of Sciences* on the early emergence of behavioural modernity amongst *Homo sapiens* populations in Africa. The research concerns the appearance of personal ornaments in the archaeological record of Morocco more than 80,000 years ago. It follows the publication last year in the same journal concerning possible early human migration routes across the Sahara during the last interglacial around 130,000 years ago, which excited interest in the national and international media. Research was also begun on a new Leverhulme funded project on *Cemeteries and Sedentism in the Epipalaeolithic of North Africa* which examines changes in foraging behaviour of hunter-gatherers that anticipate developments present in farming societies thousands of years later. Research related trips were undertaken to Morocco in October and in April. The first was to obtain dating samples from Dar es-Soltan 1 cave near Rabat and the results which now include the earliest dates for the Aterian were reported in *Quaternary Science Reviews* (2009, 28, 1914-1931). The second trip over the Easter vacation was to continue excavations at Taforalt cave. These uncovered further epipalaeolithic burials and involved investigation of rich Aterian levels that have so far yielded more than 30 marine shell beads. In between these visits he spent time studying the North African archaeological collections in Paris in the Musée de l'Homme, in advance of temporary closure of the museum for renovation. In July he was invited by HRH Princess Lalla Joumala to attend celebrations marking the 10th anniversary of King Mohammed VI's accession to the throne of Morocco. This year he was also elected a Fellow of the Society of Antiquaries.

Biochemistry

Alison Woollard writes: 'During the past year my laboratory has continued to focus on the establishment of the nematode worm *Caenorhabditis elegans* as a major model system for the study of stem cell biology, an important area of medical research. Given the extent to which worm and human genes are conserved, we expect our work to shed new light on how genes controlling human stem cell divisions work. We have recently published articles in the journals *Developmental Biology* (3 articles), *Journal of Cellular Biochemistry* and *Blood Cells, Molecules and Diseases* and presented our work at International Conferences in the US (Cape Cod and LA), Spain (Seville) and Oxford. I have also been invited to give research seminars at the Universities of Nottingham, Sussex and Cardiff. In the last year I have attracted major funding from

the Biotechnological and Biological Sciences Research Council (BBSRC) to pursue aspects of this project (grant starting in November 2009) and begun a new project funded by the Association for International Cancer Research (AICR, project started December 2008). I have also obtained funding from the Wellcome Trust to buy a new confocal microscope, which will greatly aid our future research. My research group is therefore (for the present) well funded and continues to thrive despite the uncertain funding climate. Research aside, I have acted as external examiner for PhD Theses in Newcastle, Aberdeen and Cambridge and reviewed more papers and grant applications than is good for me. On the teaching side, Biochemistry continues to flourish at Hertford. We gain more than our fair share of Firsts and my students always make me very proud. What I particularly enjoy is bumping into ex-undergraduates at conferences (this happened twice this year at one meeting in LA!), and discovering they are now colleagues, doing fantastic research of their own. But it is wonderful to keep in touch with former undergraduates wherever their life takes them and I am always touched and honoured to be invited to weddings and christenings all over the world, or simply to be kept abreast of news and achievements, from periods of training in Buddhist Monasteries, through PhDs in a huge variety of fields to important rural development work in India and so on.'

Biology

Martin Maiden and his research team have continued their studies of the molecular microbiology of bacterial pathogens, with special emphasis on two organisms: *Neisseria meningitidis*, the meningococcus, and *Campylobacter jejuni*. They have made a number of advances this year in translating their findings into benefits to human health. Meningococci remain a feared cause of meningitis and septicaemia worldwide. Vaccination is the preferred way of controlling this disease but although improvements have been made in vaccines against group A and group C meningococci, there remains no vaccine against group B bacteria. The team is actively working in all these areas. A recently published study by the team demonstrated that a major reason for the elimination of group C disease in the UK by the vaccine was 'herd immunity' - the protection of unvaccinated people by the immunity of those who have been vaccinated. These insights led directly to the group participating in a study, funded this year, to look for similar effects in Africa with the introduction of group A vaccines. The group is also collaborating in a programme to exploit their work on group B meningococci in the development of novel vaccines. *Campylobacter jejuni* is the most common cause of bacterial gastroenteritis in the UK and many other countries. It remains a major cause for concern for public health authorities and the reduction in *Campylobacter* infections in the UK is a high priority for the Food

Standards Agency and the Department for Environment, Food and Rural Affairs. The team's work has been influential in identifying sources of human infection, with retail poultry meat implicated as the major source. The team have also established that wild animals and environmental contamination are minor sources. Other studies have shed light on the evolution of these bacteria, leading to the intriguing speculation that agricultural practices may have influenced these processes.

The team also plays a major role in training colleagues from around the world in Oxford, at an annual course held at Hinxton Hall just outside Cambridge and, for the first time this year, by taking a laboratory-based training course to Blantyre in Malawi.

Chemistry

The research in *Chris Schofield's* group has focussed on the way in which animal cells sense and respond to changes in availability of oxygen. The work has relevance to understanding and treating illnesses ranging from heart disease to cancer. Major advances have been made in determining the structures of the enzymes, or biological catalysts that act as human oxygen sensors, and in determining how they work in cells. Similar enzymes are involved in obesity and in the transmission of genetic information with changes in DNA sequence. Remarkably, enzymes from the same family are also involved in diverse processes including antibiotic production and plant colour. Highlights of the work in the past year include steps towards identifying compounds that alter the activity of the enzymes for medicinal use and in the identification of new roles for the family.

Earth Sciences

Alex Thomas writes: 'My research recently has been focused around Quaternary geochronology, and palaeoenography. I have been involved in the integrated ocean drilling program (IODP), which recently sent an expedition to Tahiti to drill the coral reefs. This research was focused on the reconstruction of past sea levels and climate – and was highlighted on the front cover of *Science*. My involvement with IODP is continuing and involved the surveying and sampling of the Great Barrier Reef in preparation for drilling scheduled for 2010. I am also involved in an international program to study geochemical tracers in the ocean (GEOTRACES). Specifically I am investigating the use of naturally produced radioisotopes as tracers of modern processes and as proxies for past ocean conditions. This project will involve an oceanographic expedition sailing from Capetown to Montevideo, collecting water and sediment samples.'

Economics

Anthony Murphy writes: "The main focus of my research with John Duca (Federal Reserve Bank of Dallas) and John Muellbauer (Nuffield College, Oxford) has been the link between credit conditions, house prices and savings. Our paper "Housing Markets and the Financial Crisis of 2007-2009: Lessons for the Future", was the keynote paper at the June 2009 conference, "Housing Markets: A Shelter From the Storm or a Cause of the Storm?" sponsored by the European Money and Finance Forum (SUERF) and the Bank of Finland. Our paper "House Prices and Credit Constraints: Making Sense of the US Experience" has attracted a lot of international attention. Most US house price models break down in the early 2000's. This structural break is due to the omission of a measure of exogenous changes in credit supply (associated with the sub-prime lending boom) from both inverted housing demand and house price to rent ratio models. Previous U.S. home price models lack data on credit constraints facing first-time home-buyers, likely accounting for the poor performance of house price models based on interest rates and income. We show that incorporating a measure of credit conditions - the cyclically adjusted loan to value ratio for first time buyers - into inverted housing demand and house price to rent ratio models yields stable long-run relationships, more precisely estimated income and interest rate effects, reasonable speeds of adjustment and improved model fits. This paper has been presented at the International Monetary Fund (January 2009); the Swiss Society for Financial Research, (April 2009); the Bank of Spain and the Spanish Applied Economics conference (June 2009); the SUERF / Bank of Finland conference on housing markets (June 2009); the Western Economic Association International Conference (July 2009) and the conference on "Bubbles and Housing Market Cycles" at the University of Marseilles (October 2009). It has been accepted for the 2010 American Economic Association annual conference (January 2010). A five authored paper on "Credit, Housing Collateral and Consumption: Evidence from the UK, Japan and the US" examines the contrasting savings behaviour of UK, US and Japanese households. The evidence is that, since 1980, credit availability for UK and US, but not Japanese households, has undergone large shifts. Moreover, there is UK and US evidence both for a shift in the average consumption to income ratio as down-payment constraints eased, and for a shift in the collateral role of housing wealth as home equity loans became more freely available. The housing collateral effect is larger in the US than the UK, while land prices in Japan still have a negative effect on consumer spending. Together with evidence for negative real interest rate effects in the UK and US and positive ones in Japan, this suggests important differences in the transmission of monetary and credit shocks. This paper was presented at American Economic Association annual conference (Jan 2009) and

accepted for the 2010 International Association for Research in Income and Wealth annual conference. I presented a co-authored paper on "Booms and Busts in UK House Prices: the Role of Credit" at the annual Infiniti Conference in Dublin. This paper will also be presented at the 2010 American Economic Association conference (January 2010). Composite research papers with John Duca and John Muellbauer were presented at the Bank for International Settlements (BIS) annual conference (June 2009); the London School of Economics conference on the financial and housing crisis (June 2009) and the Dutch National Bank annual conference (Oct 2009). I co-edited a special volume of the *Oxford Review of Economics* on Housing Markets and the Economy last year, and organized the session on Global Movements in House Prices at the Western Economic Association international conference (June 2009). I presented the keynote address at the Conference on Bubbles and Housing Market Cycles at the University of Marseilles (October 2009). I presented a co-authored paper on Benchmarking and Public Sector Pay in Ireland at the British Universities Industrial Relations Association (BUIRA) annual conference (July 2009). I also presented the results of this paper to the heads of the Irish Congress of Trade Unions and various public sector unions in Ireland (July 2009). I have just completed a paper on hurricanes and house prices in coastal US areas.'

Dimitra Petropoulou writes: 'The academic year kept me busy with lots of teaching, particularly as I taught a new course in Quantitative Economics to the second year PPE, E&M, and History & Economics students. I am working on a new area of research, on the role of financial institutions and financial development in international trade. In my role of examiner for the International Economics course of the University of London External Degree Programme I undertook to produce an in-depth study guide for the course. It is effectively a condensed textbook tailored to the needs of the course, and went into print last term. In November 2008 I was commissioned to review a "Value for Money" report for the National Audit Office (NAO). I found quite fascinating this opportunity to get a direct look at how government policies are implemented. I also participated in a number of conferences, such as the European Trade Study Group Conference in Warsaw, and continue to run workshops around the country in Economics teaching for new lecturers and graduate teaching assistants (LSE, Glasgow, Lancaster, and Norwich), through my role as associate of the Economics Network of the Higher Education Academy.'

Engineering

Fionn Dunne writes: 'My research remains largely focused on materials behaviour (more specifically, how particular metals such as titanium and

nickel alloys respond under extremes of mechanical load and temperature). An area of continuing importance (particularly to aero-engine manufacturers) is facet fatigue nucleation; interestingly, crack propagation is much better characterised and understood than the nucleation process, and the latter is attracting much interest currently. This is largely being driven by four factors: industrial need, the development of new mechanics (e.g. including length scale effects - mechanics applied at increasingly smaller scales at which interesting phenomena such as gradient dependence start to appear), rapidly increasing computer power and a range of excellent microscopy techniques all of which are being brought to bear to develop a better understanding of nucleation. The results of the research over the last couple of years have been published in many journals and conference papers presented in Nova Scotia, London, Delft, Shanghai, Seoul and Dortmund among others. The research is carried out in close collaboration with industry (for example, Rolls-Royce) and the interactions have resulted in co-option to the Rolls-Royce Core Materials Board, consultancy and to the delivery of two two-day courses for Rolls-Royce staff on finite element techniques (computer-based methods for determining deformations and stresses in components). New DPhil projects are about to start in length scale mechanics. The busy schedule of research conferences included the International Forum on Material Behaviour Across the Length Scales which we ran for about 50 people from all over the world in Wadham and Hertford in April 08. In addition, membership of editorial boards of journals (*International Journal of Plasticity*, *Journal of Multiscale Modelling*) continues in parallel with the Deputy Editorship of the *Journal of Strain Analysis*. During the period, three journal special issues have been guest edited on materials behaviour across the scales. Other travels have included PhD examinations as external at Imperial, Manchester and Écoles des Mines, a week-long lecture visit to Hanyang University in Seoul and to the Korean Institute of Materials in Busan. Appointment as external examiner for Imperial's Department of Aeronautics comes in parallel with what transpires to be a rather onerous administrative job this year, that of Director of Graduate Studies in Engineering Science (affectionately referred to as DoGS) since August 08. Compared to any of my previous administrative commitments to Hertford (Tutor for Visiting Students, Tutor for Graduates, Dean), a rather more convivial one is that of College Cellar Master which I took over from Geoffrey Ellis in April 08. I would like to record my deep appreciation to Geoffrey for all the hard work he has done in handing over a cellar in such fine form.'

English

Charlotte Brewer writes: 'This last academic year I have been supported by a Leverhulme Research Fellowship and the Oxford John Fell Fund to work on the history of the *Oxford English Dictionary* and its treatment of different periods and types of language. I have published articles on the *OED's* treatment of the vocabulary of Virginia Woolf, of eighteenth-century female writers, and of the *OED's* use of literary sources more generally, and I've also contributed to the *Oxford History of English Lexicography* and the *Blackwell Companion to the History of the English Language*. Most recently I have been reading Jane Austen's correspondence and novels, to discover that she is recorded by the *OED* as the first printed source of a remarkable host of words relating to domestic and household matters: e.g. *baby-linen*, *bobbinet* ('A kind of machine-made cotton net, originally imitating the lace made with bobbins on a pillow'), *butler's pantry*, *coffee urn*, *darning cotton*, *donkey carriage*, *hot-closet*, *house-bell*, *lavender-drops*, and many more. Quite how to interpret this is not straightforward. It could mean that Austen really was one of the first writers to use these terms, or it could mean that the *OED* has found them in her work because it favoured well-known literary sources over less well known (perhaps non-literary) ones...I've given papers on this research at conferences and research seminars in Freiburg, Manchester, Birmingham, Banf, Chawton House in Somerset, Oxford and Madrid, and in March I delivered a Gresham College lecture, open to the public, on the making of the *OED*.'

Emma Smith writes: 'As Senior Tutor I have continued to oversee the academic development of our undergraduates this year, and am delighted at their examination successes which have placed us sixth in the Norrington table. With colleagues I also have a role in maintaining a supportive environment in which Fellows can undertake their research. Sometimes teaching and research can seem conflicting rather than complementary, and we have had some difficult decisions this year about the most equitable and appropriate balance between the two. Ironically, in keeping an eye on the overall academic performance of the College, I have sometimes found it difficult to attend to my own, but over the year I have enjoyed speaking at Wycombe School, at the Shakespeare Association of America, at Harris Academy South London, at the Oxford Society in Norwich, at Jadavpur University in Kolkata, and on the Sutton Trust summer school encouraging young people to apply to Oxford. My publications this year include a comparison of Ben Jonson and Alfred Hitchcock in Sarah Werner (ed.), *New Directions in Performance Studies*, an article on politically biased editing of Shakespeare's *Richard II* in the journal *Shakespeare Survey*, and co-editing and contributing to *The Cambridge Companion to English Renaissance Tragedy* with my

colleague Garrett Sullivan at Penn State University. My career as a media don was nipped in the bud when I had to break it to a television production company eager for a hook on which to hang a travel documentary that Shakespeare almost certainly did not visit Venice, Padua or Verona, still less Egypt or the "vex'd Bermoothes".

History

Roy Foster writes: 'My chief intellectual activity in 2008-9 involved preparing the Clark Lectures, delivering them at Cambridge in the Lent [Hilary] term of 2009, and subsequently turning them into a short book provisionally titled *Words Alone: W.B. Yeats and Irish Literary Traditions in the Nineteenth Century*. This lecture series is formally dedicated to literature, but on occasion a social scientist, novelist or even historian has sneaked in. In my case, Yeats was the excuse for talking about 'national tales', Walter Scott, Thomas Carlyle, Dracula, fairy-tales and sundry other things. Other ancient preoccupations were revisited in a long joint article on the oddly parallel hero-cults of Edward Carson and Charles Stewart Parnell, and an essay on the attempt to bring modern French art to Dublin in the early twentieth century, published in a volume celebrating the centenary of Dublin's Modern Art Gallery, the Hugh Lane. Less predictably, I contributed the programme notes for an ENO production of Vaughan Williams' rarely-performed opera *Riders to the Sea*, closely based on J.M. Synge's play. This was directed by the actress Fiona Shaw, with whom I also collaborated at the National Library of Ireland, in celebration of Yeats' birthday in June: I spoke about his late poems, accompanied by her readings. Rehearsing this event was rather like trying to control a particularly powerful and wayward horse. Less dramatic performances involved the Harbourfront Literary Festival at Toronto, where I spoke about my last book on Celtic Tiger Ireland, an era now vanished with Tyre and Sidon; lectures at the Yeats Summer School in Sligo and the Kilkenny Arts Festival; a plenary address to a Maynooth conference on the future of historic houses in Ireland (which does not look rosy); and a paper delivered at the Centre Culturel Irlandais in Paris, a lovely old seventeenth-century building beside the Pantheon, once the 'Irish College'. Membership of the steering committee of the European Network on Biography, set up with an EU grant last year, took me to Valencia in June; further meetings are planned for Paris, Venice and even Oxford.

More elegiacally, I found myself asked to contribute memorial prefaces to works celebrating old mentors- and even contributing to an anthology about the 1960s experience at Trinity College, Dublin. I am now embarking on a book about another Irish revolutionary generation, that of c.1890-1920, having received a Wolfson Research Professorship, a

competitive award that liberates me from all teaching and administration for the next three years. I hope this project may focus some of the eclectic interests indicated above.'

Christopher Tyerman has given papers at University College Dublin and Southampton Universities ("How to Plan a Successful Crusade") and Trinity College, Dublin ("Adam Smith and the Crusades"). He has co-edited (with Peter Coss) and contributed to *Soldiers, Nobles and Gentlemen: Essays in Honour of Maurice Keen* (Boydell and Brewer, 2009), and is completing *Engrossing the Attention of the World: the Debate on the Crusades 1100-2000* (Manchester University Press: due out 2010).

Human Sciences

Clive Hambler continues work on extinction and on wildlife management, including work at Wytham Woods (while dreaming of doing more tropical fieldwork).

Mathematics

Piotr Chrusciel was on sabbatical in the fall of 2008, organising a research semester at the Mittag-Leffler Institute, in the suburbs of Stockholm. During that period and afterwards, he spent a lot of time studying five-dimensional black holes: black rings, black saturns, and the like. The 'black saturns', which consist of a black hole in the form of a ring orbiting around a spherical black hole, turn out to be particularly reluctant to be understood, and he still does not know whether they are 'nakedly singular', but keeps trying. He published some seven papers, one of which analyses the N body problem in general relativity (surprisingly, the only results so far were either approximate or numerical), while another one shows how gravitation affects the area of beams of light.

Alan Lauder writes: 'The past academic year has been an especially eventful one for me. My third child, Erica Lauder, was born in June 2008. She is a wonderful companion to her older brother and sister, and a joy to all. The passage from summer to winter brought sadder tidings. My father, George Alan Lauder, died just before Christmas. He was the greatest influence in my life and closest friend, and is deeply missed by all of my family. To occupy my thoughts I have been fortunate enough to have a large European Research Council grant. My second DPhil student, Sebastian Pancratz, began work on this project last October, and will be joined by a postdoctoral researcher, Kira Samol, in January 2010. My first DPhil student, George Walker, has secured a postdoctoral fellowship at the University of Bristol. The highlight of the coming academic year

will be a meeting during the Easter vacation on the topic of my grant, to be hosted by the Mathematical Institute and the College. Leaving aside my European grant, my own research continues to be supported by the Royal Society. Following the completion last summer of my investigation on ranks of elliptic curves, I have been working to open up new areas of application for my techniques. This has proved both challenging and enormously interesting for me. The life of a mathematician is not just blackboards and chalkdust. Over the last year I have spoken at meetings in a beautiful town in the Tirol and at a mathematical retreat lost somewhere in the Black Forest.'

Medicine and Physiology

David Greaves writes: 'The graduate students and postdoctoral research fellows in my laboratory are looking for novel pathways that act to reduce inflammatory cell recruitment and activation. The long-term goal of our research is to develop new classes of anti-inflammatory drugs which can be used to treat diseases such as rheumatoid arthritis, inflammatory bowel disease and angina. During the past year research from my group has been published in peer-reviewed journals including *Atherosclerosis*, *Cardiovascular Research*, *Circulation*, *Gastroenterology*, *Gene Therapy*, *Journal of Infectious Disease*, *Journal of Leukocyte Biology*, *Journal of Lipid Research* and *Journal of Clinical Investigation*. One of the highlights of the academic year 2008-2009 was when the second year medical students invited me to give the inaugural Med Soc Lecture; a rare honour indeed given the fact that they had already had eight lectures from me as part of their second year Principles of Pathology course. In my talk entitled "Studying the biology of inflammation", I explained some of the latest cell biology techniques that we use to study a class of inflammatory mediators called chemokines. In addition to lecturing in Oxford, I have given seminars on our research work at conferences and meetings in Cambridge, York and San Francisco. I particularly enjoyed my first ever visit to Seattle where I gave a lecture at the University of Washington. There, in the city that gave us (in no particular order) Kurt Cobain, Niles Crane and Starbucks, I took advantage of one of the few rain-free days in April to explore the city by foot, cycle and ferry. Nirvana!'

Modern Languages

Katherine Lunn-Rockcliffe writes: 'I continue my research on representations of progress in Victor Hugo's poetry, with the aim of understanding how the ideas of his time are transformed into verse form. Hugo absorbed some of the more outlandish theories of reincarnation and social idealism which were widespread in the early nineteenth century, and worked them into even more outlandish visionary poems. As if the

mountainous oeuvre of Hugo weren't enough to occupy me, I served as a judge for the Oxford-Weidenfeld Translation Prize for a second year. We considered ninety works of fiction translated from a wide range of European languages. The prize is an annual reminder of how vital it is to foster a thriving translation culture in an increasingly homogenized anglophone world. This year the prize went to Anthea Bell, for a translation of Saša Stanišić's very original German novel about the Bosnian war called *How the Soldier Repairs the Gramophone*.'

Physics

Sam Henry gives below an account on page 71 of the antimatter project with which he has been involved since 2005.

A Celebration of the Life of Professor Neil Tanner

The memorial service for Professor Neil Tanner was held in Hertford College Chapel on May 9 2009. With over 160 attending, the chapel was full to capacity and the Principal's sitting room was pressed into service to cater for the overflow with an audio-visual link. The occasion was a joint family and college celebration of the life of a remarkable individual and an iconic figure in the recent history of Hertford College. Neil was also a well known and distinctive character in the Physics Department. His impact on generations of physics students at Hertford and on physics at Oxford can be judged by the number of people attending and those who sent messages.

The service was led by the Chaplain, the Reverend Leanne Roberts and the organ was played by Mr Peter Dart (Physics, 1972). Readings were given by the Principal (Ecclesiasticus 44.1-15, *Let us now praise famous men*) and two of Neil's grandchildren (Isobel Tanner, from A.A. Milne *Now we are six* and Theo Tanner, *The Tyger* by William Blake). Two more grandchildren (Amelia and Henry Fisher) provided a musical interlude playing two duets for violin and cello. Tributes were given by Richard Hyder (Oxford and Yale) a close friend of Neil from the time they were graduate students together at Cambridge, by Mike Thorne (Physics 1966), who gave a moving account of Neil as a tutor and mentor, and by Robin Devenish, Hertford physics tutor and Neil's colleague in College. The Chaplain gave the Address which was followed by a wonderful vocal solo by Grace Newcombe (Organ Scholar, Music 2008) of *Music for a While* by Henry Purcell. The service ended with a rousing rendition of *Jerusalem* by choir and congregation.

The pleasant spring sunshine welcomed the congregation as they emerged into the quad for refreshments. Many fond memories of Neil were exchanged between old friends and across the generations over tea and some rather nice cakes. Everyone present had been touched by Neil in some way and many had benefitted from his encouragement to go that bit further to achieve their potential.

Robin Devenish

The Tributes

Richard Hyder

In 1953 the Trustees of the Great Exhibition of 1851 awarded Neil Tanner the 1851 Scholarship to study physics at Cambridge. In the summer of that year Neil travelled from Melbourne to Cambridge, matriculated at Gonville and Caius College and became a graduate student in the Cavendish Laboratory.

In the 1930s the Cavendish had achieved world status in the field of nuclear physics under the New Zealander Ernest Rutherford. Chadwick had discovered the neutron, Dirac had predicted the existence of the positron and Cockcroft and Walton had built the first particle accelerator to produce controlled nuclear reactions. In the 1950s however, Neil's fellow Australian, W.L. Bragg, had changed priorities and the rule of law was now the eponymous Bragg's Law. Crystallography and other disciplines, such as radio astronomy, were now increasing in importance, although there was still a strong nuclear group, headed by the Jacksonian professor, O.R. Frisch.

A few months before Neil arrived in Cambridge, a graduate student and an American visitor, working in Perutz's MRC group in the Austin wing, had published a paper in *Nature* whose importance was quickly noticed by those working in the field, although it was a few years before the letters DNA were literally in the minds and on the lips of the world at large. Neil had joined a community in which bold thinking and social cohesion were important, hierarchy and deference at a discount. His supervisor, Tony French, and other senior figures, including Denys Wilkinson, helped him to choose a good thesis topic, get results and progress. Outside the lab, his social skills and sporting enthusiasms opened doors, none as important as that leading to his meeting with Margaret, then a schoolteacher in Cambridge.

In 1955 W.A. Fowler arrived in Cambridge on sabbatical leave from CalTech to work with Fred Hoyle and the Burbidges on the origin of the heavy elements. Neil caught Willie Fowler's eye and was invited to California to a post-doctoral post at Caltech on graduating. But before gaining his PhD, Neil had become engaged. He and Margaret were married in 1956. The night before the wedding, Neil stayed with his best man in Hampshire. In the morning the two set off for Essex. Somewhere east of the City of London, Neil confided that the importance and solemnity of the occasion required him to acquire a new shirt. A gentleman's outfitter was spotted en route, a shirt purchased and for the rest of the journey, Neil struggled with packaging and pins to don the shirt and a tie in the cramped passenger seat of the best man's decrepit 1934 Triumph Gloria, emerging for the ceremony calm and poised. Soon after the wedding, he and Margaret set off for Pasadena and new horizons. Neil worked in the new field of parity violation, establishing limits for its effect on beta-decay.

During his time at CalTech Neil received an invitation from Denys Wilkinson to join the new Department of Nuclear Physics at Oxford as a Senior Research Officer, with the prospect in due course of a College

Fellowship. He accepted and in 1958 arrived with Margaret and the newly born American citizen, Lucinda. They settled at first in Farmoor, but by 1960 the course of their life was set. Neil became a Fellow of Hertford and they moved to North Oxford.

Using the tandem accelerators at Harwell and Aldermaston, and later the coupled electrostatic accelerators in Oxford, Neil supervised an expanding group of students exploiting new ion beams and new detectors such as multigap spectrometers to explore the theory of the Giant Dipole Resonance and resonance fluctuations. In the 1960s interest in pion physics brought him to the Synchro-Cyclotron accelerator at CERN and his close association with Ernst Michaelis helped him to become a valued member of the team.

Mike Thorne

To counterbalance the higher echelons of physics activity just invoked by Richard Hyder, I stand shyly as a representative of the oiks into whom Neil Tanner tried to drill an education in general and physics in particular. I didn't see a fraction of the distance that he did until much later, after he had become a friend as well as a continuing mentor. But I always knew that he was looking forward, setting us on course. I hope we can look forward and enable as he did. He would like that. He would demand that.

Like many of us, I was swept up in a raiding party hitting an unfashionable town, Sunderland, in 1965, just two years after he first ruffled establishment feathers by starting early admissions (by which promising students were interviewed before synchronized countrywide applications were centrally processed). There were large areas of talent undetected by the conventional Oxbridge entry, he saw, and a third year in the sixth form just to take the entrance exam wasn't an option for most of us even if we had thought to try. Netting them also helped Oxford – we went to a place never imagined, and Hertford established a broader base of - often exceptional - talent. If Neil liked your face, seen through a haze of cigarette smoke from his horizontal interview posture spread over three chairs, you would be required to achieve just two Es at A level, in contrast with my more typical requirement of two Bs from Imperial College at the time (a challenging demand). The heaviest question at my London interview was, 'why is Oxford your first choice and not us?'

His self confidence and sheer strength of personality would inform his very different, innovative *modus operandi*. He was a formidable character, often disruptive, but never a bully and never other than well-meaning. One student, one of three in his first 1960 physics year, recalls arriving in his rooms for the first tutorial. 'When we turned up at Neil's

rooms for the first time, he merrily said he had no idea what he was supposed to do but that we would all work it out...which we did.' Experimentation wasn't just measured in amps and ohms.

Studying under Neil was about more than physics. This man's breadth of worldview rubbed off on all of us. Physics graduates from Hertford went on to an unusually broad range of careers: into medicine, business, the arts, even into law. One memory of instant tangential education stands out, when my practical partner and I were waiting, on the Clarendon Lab stairs, to start the dull ritual of fudging our results and acquiring the tick in the box. There was a *Daily Mirror* discarded on the floor. Neil launched into an appreciation of the skill of their journalism, their communication. We harrumphed, since we were scrambling for input and trying to get the long words in *The Guardian*. Didn't get that plot until much later.

Another inspiring quality was his teaching physics as a living, breathing entity, removed from the dustiness of some of our textbooks. Answering a question about some experimental voltage to be applied: 'hit it quite hard.' Neil's was a visceral approach. You touch stuff, you use your hands. You're here. It's a tangible world. But there was also an (apparently casual) psychological/virtual element to his tutoring. Bleaney and Bleaney: *Electricity and Magnetism* (I feel a palpable shudder go round the chapel, and must lighten things by suggesting you try and imagine the pillow talk between those two married, local physicist authors.) *Chapter Two* was about electrostatics, and deployed what to most of us was formidable and impenetrable mathematics. Neil was unfazed when none of us made any headway, a response we didn't understand. Years later, he owned up that if we could get through that impossible chapter encounter without a nervous breakdown, then he considered us good for a solid three years. Passed that test, at least. More than ever happened in electrostatics.

We were six physics Freshmen in 1966, a regularly revitalized club which would embrace as many as twelve members by 2000. Most of us had benefited from early entry. But all good things end: the university banned early entrance in 1984, as well as practically getting rid of this troublesome priest. But Neil's innovation, which had been quickly adopted throughout the college, was adopted by overall university admissions policy. It also reverberated through college rankings: from being near bottom in my time, Hertford sat top of the Norrington League in 1981. No thanks to me, I regret to say, my distinguished lower second not of much help.

Remember: it wasn't just about admissions and degrees. Our lives are broader than that, although many academic establishments don't spread to assist developing personal needs in our spottiest, most awkward years. Neil took his moral tutor role extremely seriously. Responsibility followed recruitment. My father had died the year before I matriculated, when I was 17. I had been devastated. Neil knew this, but exercised the knowledge quietly. I was on the receiving end of much consideration. Little did I know.

With the benefit of hindsight, I see farther than during my undergraduate years. As I should, of course. I recognize a thread from those stimulating, generative times right through to the present, to the vibrancy of the present teachers to the vigor of succeeding batches of undergraduates, one of whom started the Tanner Society, the subject-based club which dines socially once a term. (I apologize for being still a little slow after Thursday's civilized evening.)

Neil became a good friend, and my education continued in a more worldly way: graduate and then some. Sparring and exploring was always the dinner table method, whether in science, journalism or music. (As we get older, our friends take over our challenges from our teachers.) His decline just a few years ago was precipitous and upsetting. He is now gone atomically. But he endures in non-physical ways. His spirit persists, his qualities passed to, and expressed and developed in, others.

Wandering around the city earlier today, as one does, I was struck that Oxford isn't big on statues. We may now praise famous men, but most stone human images you see around here represent ancients or ideals, not transient big shots to be ground down in history studies with obligatory dates. That's a very refined collective insight. Neil doesn't need a statue, and might be offended by the suggestion. His legacy is greater than any physical representation and, as I look around, it winks back at me: in your eyes and in your expressions, your attention and your clear gratitude to a far-sighted individual. Neil's legacy is his contribution to our personalities that he handed down to all of us: the way we think, our optimism, energy and curiosity. It's in the perpetuation of ideas, ideals and principles that he recognized, exercised and implemented. And in which he encouraged all of us. And in which we know we must persist.

I haven't anything left to say. Except: thank you, Neil.

Robin Devenish

When I joined Hertford in 1979, the College was reaping the academic benefits of the 'Hertford Admission Scheme' spear-headed by Neil. It was nearing the top of the 'Norrington Table' from being near the bottom

at the start of the decade. The scheme was unique and was still resented by other colleges. Neil revelled in this sort of challenge – taking on the established order! Soon other colleges followed and it became the norm. Few colleges were quite as bold as Hertford, which offered a third of places unconditionally on the basis of the early interview and references. The College was not just encouraging talented people from the state school sector to apply; it was making it possible for them to get in. Hertford had a definite ‘buzz’ and was an exciting place.

Neil’s approach to physics was similarly robust. He was an excellent physicist and an inspirational teacher. He had little faith in the efficacy of lectures, but was totally committed to the Oxford tutorial system. He expected students to work hard and defend what they knew on the blackboard. He fought a long campaign against the repeated attempts by the Physics Department to remove one of the harder and in his view, more useful options in prelims. One former student commented that electromagnetism in the first term at Oxford was a shock, but after that everything was plain sailing. How times have changed! Neil was not just interested in those likely to get firsts, he supported those who tried and those who took advantage of the diversity of activities at Oxford. Neil did not do anything by halves himself and he responded to people who had similar commitment.

On the research side, by the early 1980s, Neil had finished his work on pion physics. He became very excited about the possibilities for a new low-energy antiproton beam being developed at CERN. Bring the beam to rest in a liquid hydrogen target and you have access to the decay modes of proton-antiproton annihilation – one of which is a pair of so-called K-plus K-minus mesons. K-mesons had been found to exhibit a small violation of particle-antiparticle symmetry – a corner stone of sub-atomic theories. With Dick Dalitz, the leading particle theorist in Oxford, Neil wrote a seminal paper on how the effect could be studied in much greater detail. Sadly, through complicated CERN politics, Neil wasn’t involved in the experiment that later realised these ideas.

There was much else to do. A young Canadian colleague then in the Oxford Department, David Sinclair, got Neil interested in a clever way to solve the ‘Solar neutrino problem’ (either the Sun didn’t work as astrophysics said it should, or something odd happened to the neutrinos emitted in the nuclear processes that power the Sun on their journey to the Earth). Oxford was the only Department in the UK that saw the potential of the proposed Sudbury Neutrino Observatory. As it wasn’t conventional particle physics or conventional astrophysics, persuading Research Councils to provide the necessary support was a huge challenge – just the sort of thing that Neil enjoyed. Neil made important

contributions to the optical design of the photomultipliers and to the reduction of radioactive backgrounds to the required few parts in 10^{15} . He had the satisfaction of seeing one of the most important particle physics experiments of the late twentieth century start publishing results just after he retired in 1997. The SNO results showed conclusively that the Sun was working as expected, but the neutrinos changed their nature on the way to the Earth. There is now a large world-wide effort to understand their strange behaviour in more detail.

What I did not understand was why Neil was prepared to spend so many years running admissions for Hertford, long after the excitement of battling the establishment had passed. He had done 'his turn' and more – there was plenty of physics that he wanted to do. It is only very recently in a letter from a nephew that I begin to understand. The letter came from Lindsay Tanner – now a cabinet minister in the Australian Government. Neil had inspired him to go to University, but he ends with this:

“His achievement in rising from inner Melbourne lower middle class background to Oxford don, in an era when few Australian kids went to university much less to Oxford, is truly extraordinary. The fact that throughout he remained a truly decent and kind person simply adds to his achievement.”

So Neil had experienced himself how important a good university education was to opening the door to almost limitless opportunities, whatever your background. He wanted others to benefit in the way he had. I hope that we can keep this vision clearly in mind through the vicissitudes of changes in educational policy, political correctness, university bureaucracy, economic downturns and more – people come first! The student led Tanner Society for Hertford Physicists plays an important role in achieving this, in a way that Neil enjoyed enormously after his retirement and he would be proud of its continuing vitality.

That Neil succeeded spectacularly is evidenced by many of the people present here today. He will be missed, but not forgotten.

The Address by the Chaplain, the Reverend Leanne Roberts

“Let us now praise famous men...” – there are few who can fill the boots provided by the passage from Ecclesiasticus, which we heard the Principal read at the beginning of the service, but Professor Neil Tanner was one such man. When the writer of Ecclesiasticus penned the words, “Some have left their name, so that men declare their praise”, I have my doubts that he had in mind a boat, a dining society for physicists and an educational fund, but these are among the places Neil has left his name in this College and, of course, the Neil Tanner boats, the Tanner Society and

Tanner fund will continue to provide opportunities to praise the name of someone who was part of the Hertford community for nigh on fifty years.

We have heard touching and entertaining tributes about Neil from friends and colleagues alike. He was a man who excelled in every area and was hugely loved and admired. I quickly realised why this was the case when I first visited him, shortly after arriving at Hertford in 2005. He was charming company; a man with an irrepressible verve for life, generosity of spirit and a wealth of knowledge about the College he loved and served for so long.

Ecclesiasticus speaks too of 'posterity'. 'Their seed shall remain forever', says the King James version: an abiding heritage which honours their glory. Posterity not simply, of course, in terms of progeny – which we have seen in the excellent reading and playing of Neil's grandchildren – but also as seed sown here in this College over half a century: a lifetime of teaching and research; involvement with, and formation of, hundreds of young people who have gone out into the world, themselves to lead and serve and give counsel.

The transformation of young lives is, in itself, an enormous achievement of which anyone would be proud; however, Neil went yet further, transforming the institution itself. No one would deny that this College has been shaped, defined, by his passion for and commitment to access to Oxford for those who would otherwise not have considered it an option. This, in a very real sense, is Neil's enduring legacy.

One of the most precious gifts bequeathed by great men is the challenge they pose to us to live our own lives at a similar level: with enthusiasm, enjoyment and generosity. The life *well-lived* is something for which to give thanks. It is a great blessing to have the character and the courage to make the most of it all - living to the full, enjoying life's happy moments and bearing its sorrows. I frequently quote to students the second century church father Irenaeus, who claims that the glory of God is a human being *fully alive*. And in Neil's life we see the outworking of this truth.

But there is more for us than inspiration as comfort in the face of loss. There is also hope: hope in the death-defeating love of God made real in the resurrection of Christ. In Christ we are assured that we are never abandoned, but always accompanied by the One who, by pure love, has overcome death. We are upheld in this love, which, if we so choose, leads us into fullness of life, enabling us to become people who, like Neil, enhance and transform the lives of those around us. In this abundant living we are, and through our legacies always will be, fully alive. Amen.



The Chapel's Centenary year came to a moving and joyous climax at Pentecost with a thanksgiving Evensong for those weddings that had taken place over the years in the College Chapel. Many alumni who wished to recall and give thanks for their special day joined us; the service included a renewal of wedding vows and a celebratory dinner, followed afterwards by photographs on the lawn. This whole year of celebrations had begun the previous October when, to mark the actual Centenary of the consecration of the Chapel in 1908, the Bishop of Oxford, the Right Reverend John Pritchard, led us in a stirring service of rededication at which we also celebrated the gifts of past members: Quentin Thomas (Music, 1990) composed the haunting '*When he prays*' for our Choir, setting the text of alumnus John Donne.

Commemorating the Centenary of the Chapel led to a full and exciting programme, not least because the round of services and Chapel events continued as energetically as ever. The College owes much to the dedication, efficiency, and attention to detail of the Organ Scholars, Tom Hammond-Davies and Grace Newcombe, and the Chapel Wardens, Vicky Arnold, Tom Brodie, Alistair Fletcher, Rebecca Hutchinson, and Teresa King. Following the success of our performance of the Mozart Requiem in 2007, this year the choir and orchestra performed Saint-Saëns' Requiem Mass for the commemoration of All Souls. We remained undaunted by the challenge of finding enough players (including four harps!) and then fitting orchestra and choir into the Chapel along with over a hundred congregants and a full altar party; the service managed to be both sombre and exhilarating. The following week we were delighted to welcome our alumnus the Very Reverend Dr Jeffrey John to preach at the Remembrance Sunday Evensong, which was enhanced by the sounding of the Last Post and Reveille from the organ loft by undergraduate trumpeter Joe Phillips (Physics, 2008). The Christmas Carol service in 8th week was as popular as ever, and the Christingle Service for staff, Fellows, and remaining students (and, we were pleased to note, quite a number of alumni!) was well attended and followed by cakes and tea in Hall; it is always nice to see small children in Chapel. In keeping with our newly established tradition of a short choir tour before Christmas, we headed to Bruges in 9th week; the Choir gave accomplished performances at the Church of Our Lady and at the City Cathedral. Not content with this, they also did rather well busking at the Christmas market!

Hilary Term 2009 began with Epiphany Carols as usual, and was followed by the annual MacBride Sermon, preached this year by Professor Marcus Bockmuehl on Messianic prophecy and Abrahamic faith. It was a busy day and that evening we were delighted to baptize chapel warden and choir member Rebecca Hutchinson (Modern Languages, 2007) during Evensong. Our termly Corporate Communion was on Ash Wednesday, where we celebrated a solemn sung Eucharist with ashing, and term ended with our service of music and readings for Passiontide. Immediately after term, a group of us went on our annual Chapel Retreat; this year we enjoyed a few days of quiet fellowship and stunningly beautiful surroundings in Ffald-y-Brenin in Pembrokeshire. Centenary celebrations had continued this term, too; our alumni concert and chapel dinner on 31st January was an unmitigated success; so much so that our Development Office propose to make this an annual event. The combined forces of current players and past orchestral members made for a memorable evening of music: Schubert's Symphony No. 8, 'Unfinished', Ravel's *Pavane pour une infante défunte*, and, as a somewhat breathless finale, Walton's Prelude and Fugue, 'The Spitfire'. It was an impressive performance considering the lack of rehearsal opportunity, not to mention the time elapsed since some alumni had played their various instruments! Special thanks must go to alumni Alistair Reid (Music, 1994), John Beswick (Music, 1988), and Jacques Cohen (Music, 1988) for helping organize, conduct, and play. The Choir was pleased to be involved, and performed 'How lovely are thy dwellings', from *Ein deutsches Requiem* by Brahms, 'The Spirit of the Lord is upon me', from *The Apostles*, by Elgar, and 'Greater love hath no man', by Ireland. Jacques Cohen was further involved in Hilary's Centenary events; we performed his melodious anthem 'How goodly are thy tents' at Evensong, the second in our trio of special Centenary anthems by Hertford composers.

During the Easter vacation our Chapel organ was given a much-needed refurbishment, thanks to the generosity of Old Members. We had an exuberant service on 10th May to celebrate; the Choir sang Stanford's Canticles in G and, appropriately, Parry's 'I was glad'. We were privileged to be joined by our College Visitor the Rt Hon Lord Patten of Barnes, the Chancellor of the University, who gave a thought-provoking sermon during Evensong, and an enjoyable impromptu speech to students at dinner afterwards. As usual, we had excellent guest preachers throughout the term, including our previous Chaplain, the Revd Dr Simon Oliver, and the Very Revd Dr John Hall, Dean of Westminster.

The term opened with an evening celebrating the architectural aspects of the Chapel; specifically our debt to the College's great architect Thomas Graham Jackson, whose unity of vision has given us one hundred years of

pleasure. His design for the belfry's weather vane became the logo of the Centenary Year. T.G. Jackson's grandson Sir Nicholas gave a lecture in the Chapel itself, which was followed by a reception and exhibition in the Divinity Schools and a dinner in Hall. The whole evening demonstrated the fondness in which the Chapel - its fabric and life - is held. Another highlight of the term was the performance of the last of our specially commissioned Centenary anthems, this time by composer Hugh Collins-Rice, long-time music lecturer at Hertford.

During Trinity Term we celebrated the feasts of the Ascension, Corpus Christi, and the Visitation with sung Eucharists, the latter a joint event with Keble College. As usual, the Choir headed off for more singing once term was finished, this year to Kraków in Poland, and an excellent time was had by all. They sang in St Kinga's Chapel, Wieliczka (which is in a salt mine!), Jasna Góra, Częstochowa, a shrine to the Blessed Virgin Mary, Wawel Castle Cathedral, and the Church of the Most Holy Trinity, where they sang a choral tridentine Mass, thanks to the help and advice of Fr Wojciech, who was a great friend to Hertford Choir during their tour.

It has been a wonderfully busy and celebratory year, full of new and renewed friendships, and a time for making visible the role the Chapel has played within the Hertford community for the past hundred years. We continue to build on the aspirations of our forebears to ensure that the College Chapel remains a place of worship and welcome, where all who enter may find a space for reflection and peace.

Leanne Roberts

HERTFORD COLLEGE CHAPEL (1906-1908)

From Sir Nicholas Jackson's lecture given on 25 April 2009
‘“Artifex Oxoniensissime”: The life and travels of the Oxford architect
Sir Thomas Jackson Bt R.A. and his work at Hertford College’

An attack of gout prevented T.G. Jackson from attending a ceremony for the laying of the foundation stone for his Chapel in 1907, but in 1908 he wrote in his ‘Recollections’, “my Chapel at Hertford College, Oxford was finished and I am told that it is generally liked”; beside this he pasted in the following letter from Dr Edmund Warre the now retired Headmaster of Eton:

My dear Jackson

To use with a slight variation, the language of the fat boy in Pickwick, “I wants to make you purr!” And so I write a line on my return from All Souls, to say that I took the opportunity yesterday of going to see your new Chapel at Hertford, and was quite struck with its beauty and good proportion & excellent detail. ‘Paucis contingit’ .. or Seldom achieved nowadays, and your friends have a right to congratulate you on a lovely piece of work which can have but few rivals in these our days.there follows a Greek quotation which may be translated as - ‘I bless you for your art.’

Yours ever sincerely,

Edmund Warre

Hertford Chapel is known to have been a personal favourite of his chapels, which also included an imposing one at Radley and an extraordinary but highly effective half-Gothic, half- Byzantine one with a dome at Giggleswick in Yorkshire. He had also designed several churches, including two in Wimbledon, his generally most admired one at Northington in Hampshire, and ones as far away as Norfolk Island in the South Pacific and Edmonton in Canada, as well as designing the Campanile at Zada Cathedral in Croatia. In 1906, his being asked to design Hertford College Chapel coincided with his being selected by Butterfield to complete his chapel at Rugby, and a strange commission, for him to pull down and re-place Butterfield’s ‘streaky bacon’ chapel at Balliol with one of his own design but which was abandoned. ‘It was rather awkward’ he said ‘and I began to wonder how long my new chapel at Hertford would be allowed to stand!’

T.G. Jackson had begun designing buildings in Hertford in 1884 and work was still being carried out on them at the time of his death forty years later. His initial decision to follow the style of William Garbett’s two side pieces for his facade in Catte Street cannot have been an easy one for someone who was no great admirer of Palladian architecture.

However this was then the style employed by him for the 'fill-in' operation in the quad, including the Blois inspired Stair-tower with its Jacobean doorway and Palladian parapet, which together with the 'Bridge', resulted in what are perhaps his two most delightful creations. The Chapel was a difficult building to fit into the available space and a small piece of land even had to be acquired from All Souls. As a result only a fraction of the building is visible from the College and goes some way to explain why the Chapel is not better known. The craftsmanship was of the highest order with carving by Farmer & Brindley, who worked on most of Jackson's buildings. 'No two capitals in the stalls are alike'. Only the best materials were used, including a dozen types of marble for the pavement in the sanctuary: Irish stone from Cork and Connemara, Verde-Antico, Rosso Antico cut from the residue of a statue of Byron etc. The old Chapel became the Library. The reredos was by George Frampton, the sculptor of the Peter Pan statue in Kensington Gardens and who, nearer to here, made the statues for TGJ's restoration of the spire of St Mary the Virgin, which are replicas of the original statues. But Jackson's design for a stained glass window above the reredos was never realised. His design now hangs in the Chaplain's office. It has been suggested that, as he was one of the Whitefriars Glassworks' principal designers, he may have been involved in the design of the Tyndale window. Although the style is not dissimilar to T.G Jackson's there is no written evidence to support this. However Harry Powell rated him as one of the two most important designers of table-glass in the late 19th century and as I have already mentioned, James Powell, who was manager of the windows department was a close friend and TGJ's frequent companion on sketching tours abroad. Although he designed a lovely altar frontal this was not realised until the late 1990s when it was beautifully made by the sister of Sir Christopher Zeeman.

In *The British Organ* (published by Batsford in 1963) Cecil Clutton and Austin Niland describe Jackson as being 'certainly the most outstanding designer of Renaissance revival organ cases of the last quarter of the 19th century'. Good examples of his Oxford organ cases can be seen at Brasenose, Wadham and at the Sheldonian. He also designed a case for an organ in the chapel at Blenheim Palace that was never carried out. The instruments at Wadham and in the Sheldonian were built by Henry Willis, or 'Father Willis' as he was known. Jackson described him as being 'the best of organ builders but the most aggravating of men.' However, had Willis not died in 1901 Hertford might also to this day be, like Wadham College, the proud possessor of a 'Father Willis' organ. As it was an enthusiastic amateur called Captain Lindsay Garrett was misguidedly employed, whose work had later to be radically rebuilt by the firm of Alfred Hunter, a good example of whose work can still be heard at St James's Spanish Place in London. But sadly the result was still rather

disappointing. T.G Jackson's last involvements with his chapel were a war memorial and, in 1922, a memorial tablet for Henry Boyd who had commissioned so many of his buildings both as Principal of Hertford and as Master of the Drapers' Company. Dr James Bettley says that 'Hertford is in many ways a microcosm of Jackson's work' the Chapel as being a 'typically perplexing, richly decorated and eclectic building.' *Alden's Oxford Guide* (1913) says 'Mr Jackson has created a very beautiful work, quite unlike anything else in Oxford. "Well not quite", Sir Hugh Casson adds in his *Hugh Casson's Oxford* "thinking of Jacksonia at Brasenose, Corpus, Trinity and Wadham".

Nicholas Jackson

It should not be supposed that before 1908 Hertford had no Chapel; what was previously the Chapel is now part of the Library. Plate 2 shows its interior; the photo comes from the Henry Taunt collection, and we thank the Centre for Oxfordshire Studies for permission to reproduce it. (©Images & Voices, Oxfordshire County Council). (*Ed*)

The Library

The routines of the library have continued in a reasonably placid way throughout the year. Thanks to the vigilance of Susan Griffin, the seepage of water from the cleaning of the college façade was quickly detected and arrested. The problems of space for both books and readers remain a prime concern. Thanks to the generosity of fellows, notably the new bursar, Simon Lloyd, some library stock has been accommodated in their rooms. Although not ideal, the expedient has relieved pressure on the main spaces. While exercising financial prudence, the library continues to meet the needs of undergraduates and graduates, and underpins the excellent examination results of the last year. New technologies are embraced, while the needs of the older books have also been regarded. A modest programme of restoration of particularly interesting and vulnerable antiquarian volumes continues, together with the generous efforts of the volunteers from the NADFAS team led by Eileen Holland. Their presence on Friday mornings is now entrenched in the library's calendar and we are grateful for their continuing enthusiasm and expertise.

Rarities among the older books attract scholars from across the world who come to consult them. Material from the archives was displayed in the exhibition to commemorate the centenary of the college chapel and its

architect, Sir Thomas Jackson. The latter has been the subject of an illuminating monograph by Dr William Whyte, history fellow of St John's, *Oxford Jackson. Architecture, Education, Status, and Style 1835 – 1924* (Oxford, 2006).

Again, the library has benefited from the generosity of present and former members of the college in donating particular books, often written by them. The library is grateful for the following donations from their authors, editors or contributors:

Alan Bogg: *The democratic aspects of trade union recognition*

David Dilks: *Curzon in India*

David Dilks: *Neville Chamberlain*

Michael Fordham: *The judicial review handbook, 5th edition*

John Hughes: *Thomas Willis 1621-1675: his life and work*

Michael Moynagh and Richard Worsley: *Changing lives, changing business*

Paul Snowden: *How Europeans saw the late Shogunate's mission [to Europe in 1862]*

Russell Sparkes: *Handbook of finance*

Richard Watts: *Rheumatology*

Julian Wynne: *Jane Austen and Sigmund Freud*

Alison Young: *The new Oxford companion to law*

Alison Young: *Parliamentary Sovereignty and the Human Rights Act*

Kazuhiko Yuba: *A book of calligraphy.*

Other welcome gifts were made by: Dr. Barnard, Tim Boothman, Mr. Cockshut, Caroline Conner, Jessica Dagggers, Professor Devenish, Rebecca Ely, Charles Engman, Shanaka Jayasuriya, Narinder Jhittay, Emma Jones, Thomas Lowe, Deepak Mukhi, Elizabeth Neate, Dr. New, Dr. Smith, Somerville College, Philip Stewart and Alex Van Besouw.

Susan Griffin has had the help throughout the year of the junior librarians, Natalia Chegodar, Ella Davies and David Neale. Anlyn Salvador-Amores continued as the graduate assistant during MT 2008, with Victoria Arnold taking over for HT and TT 2009. Daniel Jordan helped during the 2009 long vacation with book cleaning and book moves.

The fellow librarian, frequently away from Oxford and working in other scholarly libraries thanks to his Leverhulme senior fellowship, is even more indebted than usual to the commitment and professionalism of Susan Griffin over the past year.

Toby Barnard

The Bursar's Letter

I arrived in College as Bursar in September 2008 seeking a very different challenge to the one I had enjoyed during my career in the corporate world. I have not been disappointed. Following a period without a full time Bursar, the "to do" list is long and sometimes rather daunting but the range of issues I have addressed this year is so varied and for the most part totally absorbing that I have never had a dull moment. In all this I have been very fortunate to enjoy the support of an experienced and professional team of managers whose advice I have valued and relied on.

My first major task was to present the annual report and accounts to Governing Body and the budget for 2008/9. This was the first year for a long time that the College recorded a financial deficit. This reflected a reduction in our conference income, on which we rely to fund our operations more than most colleges, as a result of losing a couple of major contracts, a reduction in income generated by the endowment and a cost base that was rising faster than inflation. All this was before the onset of the recession and the additional risks this places on our sources of income. To cap this, the stonework on the Catte Street facade was found to be unsafe and in need of repair, so the College had no option but to take on a major eighteen month refurbishment project to fix it. A perfect storm.

Fortunately solutions are not difficult to identify, especially with the ready availability of published comparative financial data from other Oxford colleges. Hertford has an annual deficit on its day to day operations, excluding endowment and fund raising, of £1,600 per student. This is about average for Oxford colleges but the size of our endowment is below average and is insufficient to fund the gap, so we must address the operating deficit head on. We have put in place a strategic plan for the College which plots our path towards elimination of the deficit over the next two to three years. The focus is on improved cost control and efficiency, a reduction in the student subsidy to a level more comparable with the average across Oxford colleges, and re-building our conference income. This is not a painless process, but thanks to strong support from all levels in the College, we are making excellent progress, and I am confident we will meet our targets. Longer term, successful fund raising is critical to finance the College's development priorities and maintain our financial security and it is very encouraging to see progress towards this objective.

Any thought I may have harboured that the College is a sleepy backwater compared with the commercial sector could not have been more

misplaced. All teams across the College have been working intensively to introduce many much needed changes, and I have been very impressed with their energy and commitment, and proud of what they have achieved. We have implemented the first part of a College-wide integrated data base that links all student records and processes with our accounting system, which will help to eliminate duplication and double handling of data. This has been a major focus for our IT, Bursary and College Office staff who have done a wonderful job to manage the transition. We have reorganised our housekeeping operations to reflect the decision to stop providing bed linen to students in line with almost all other colleges. We have started to introduce energy efficiency measures such as movement sensors and loft insulation consistent with our energy and environmental policy. We have also introduced an appraisal system to ensure a systematic approach to staff development and invested more in staff training. Under Julie Dearden's direction, our conference and international programmes team has also been very busy winning new customers and introducing new programmes that make our Teaching English as a Foreign Language (TEFL) business the largest and most distinctive among all Oxford colleges. I could go on.

As if this was not enough to keep everybody busy, we have had two fires in the College, one of which could have been extremely serious were it not for the prompt reaction of our students, staff and the emergency services. We have also activated our flu pandemic plan this summer, but fortunately at the time of writing, have experienced only isolated cases of suspected swine flu among staff, students and conference guests. At least we are more confident that our emergency response procedures have been tested and proven to work. Together with a great deal of effort to improve our health and safety performance, there is a sense that the College is a safer place to live and work, although of course we cannot afford to be complacent and there is always more that can be done.

We were sorry to see our Home Bursar, Jo Roadknight leave us in the summer to take up a position as Domestic Bursar at Balliol. During her two years at Hertford, Jo made a major contribution to the safe and efficient operation of the college. We are pleased to appoint Andrew Beaumont to replace Jo as Home Bursar starting in September 2009. Andrew has previously been Steward at Lincoln College. We are fortunate to have many experienced and loyal staff and this year we celebrated Long Service Awards for five staff; Jane Preedy (15 years), Philip Dickson, Jim Coyle, Alan Masell and Janet Taphouse (10 years). Julie Dearden (Director of International Programmes) was awarded an MSc in Applied Linguistics and Antony Barrett (Front of House Manager) completed the first year of a foundation degree in hospitality management. More than 20 housekeeping staff were awarded NVQ Level

2 certificates in cleaning and support services under the government's Train to Gain scheme. These are just a few examples of the College's continuing commitment to staff development and life-long learning.

So I look forward to starting into my second year, with a very full agenda and no doubt plenty of surprises and unexpected challenges to come my way. Lucky me.

Simon Lloyd

Miscellanea

The Public Orator, delivering the Creweian Oration at Encaenia on Midsummer Day, when, as he observed, 'sprites and fairies dance upon the lawn with printless foot and, if you look very carefully, you may glimpse the dons at play, disporting themselves in the streets and gardens of the city clad in red and pink and purple', commended 'Mr Waugh of Hertford's excellent recruitment video, *Brideshead Revisited*, which showcases our quality catering provision (plovers' eggs for lunch), light touch approach to tutorials, first-class opportunities for social networking, study trips to major examples of baroque architecture and the prospect of close personal attention from the daughters of top British peers'. An interesting use of the technique of defamiliarization.

A more recent Hertford success in fiction writing brings clear cause for congratulation. Shahnaz Ahsan, who took Schools in English and History in June, won the David Rattray Memorial Fiction Prize organized by the *Daily Telegraph*, for an entry entitled "Reconciliation". The judges included the former Foreign Secretary, Lord Hurd, the authors Lucia van der Post and Francine Stock, and the opera singer Pumeza Mathikiza. Shahnaz's prize includes a trip to South Africa and the publication of her story in the *Daily Telegraph*.

Hertford History could also rejoice in another finalist's unusual prize. Alice Gleave, who read History and Modern Languages, was awarded the Folklore Society's President's Prize for outstanding student work in the field of folklore, for her bridge essay entitled "The female soldier in street literature and oral culture in the German speaking lands, c.1600-1950".

Turning from fantasy, fiction and folklore these notes should end on the solid ground of the daily round and common task. Among those whose services in maintaining the College's day-to-day equilibrium are too easily taken for granted are the Junior Deans, who assist the Dean in his various responsibilities. For 2008-9 they were Barney McManigal on the main College site and Oisín Suttle in South Oxford (i.e. covering Abingdon House, Warnock House, and the Graduate Centre). Oisín has now returned to Ireland after completing his MPhil in International Relations; Barney, who is working for a DPhil in Politics, remains at the main site. The importance of the Junior Deans' role is indicated by their expansion to a trio; for 2009-10 a Junior Dean for the North Oxford site has also been appointed.

The Junior Common Room

President: Will Hartshorn

Treasurer: Julius Neiser

Secretary: Liz Neate

Looking back over the past year, the 'Chinese curse' 'May you live in interesting times' comes to mind, for the JCR. 2009 has certainly not failed to provide challenges for the Glorious People's Common Room of Hertford College!

Just before the beginning of Hilary Term, Health and Safety legislation (insert *Daily Mail* headline here) resulted in fridges being temporarily taken off all staircases in the Catte Street site. Fortunately the Freshers and Finalists managed to show the resourcefulness and resilience to survive the Great Fridge Shortage whilst high-level meetings between the JCR Exec and the Bursary ensured as swift as possible a return of the appliances. Many cartons of milk were seen dangling on string from student windows in New Building and Holywell quads, adding 'an interesting twist to the architecture'.

Having had a baptism of fire (or at least lack of ice), the JCR Exec were faced with another trouble; 3 inches of water down the bar. The cause of this flood was not, surprisingly one might say, the result of failure to turn off a tap following consumption of the bar's range of refreshments. The JCR and College acted rapidly and the bar had to be closed for only one night. Due to the timing of this flood (discovered on a Monday afternoon), the disturbance was small and little known, leaving the mysterious origins of the water marks on some of the sofas down the bar an interesting topic of conversation for many junior members.

Then came the 'Great Fire' later that term. Students were awoken by the fire alarm in Geoffrey Warnock building to find that instead of someone making toast after a night out, this time it was for real! 'Hertford in Flames' screamed the Oxford Student newspaper headlines. Students were evacuated to spend the rest of the night in the Graduate Centre. Fortunately no one was hurt by the fire, but some students had to be relocated until their rooms were restored after smoke damage.

Following such a traumatic term, JCR members called for a Common Room fit for heroes and claimed their 'inalienable right' to 50" high definition television. When questions were raised about how this fiscal expansion was to be funded, the suggestion came that the JCR should stop paying its affiliation fees to OUSU, the central student union for Oxford. The CHD (Campaign for Hertford Democracy/ Campaign for

High Definition) was defeated by a narrow margin of 3 votes. Instead at the meeting the President's Campaign for Hertford Bureaucracy prevailed, introducing measures to improve the institutional memory of the JCR. Other failed motions included a proposal to send a delegation of Hertford men to Eastern Europe to help combat their 'cultural ignorance' of the region; the other members of the JCR were able to identify the true intentions of the proposers and denied them the experience of sampling the beers and spirits of the former Eastern Bloc.

The JCR and the rest of College have not always seen eye-to-eye during 2009. There was something of a 'misunderstanding' between the JCR and MCR about the use of disco lights for bops. The JCR's request that the scholars should no longer get priority on the housing ballot was rejected by Governing Body. The decision to shorten Freshers' Week to five days was opposed by the JCR owing to concern about how this might affect new students settling in: Rent negotiations in the context of a recession, with College facing a large deficit, also proved a 'sticking point' between the JCR and Governing Body. But relations between the JCR and the rest of College have been more consensual in other areas, which include Open Days, interviews, the College Telethon, and much more.

I have focussed on the more unusual experiences of the JCR this year, rather than the crucial, more routine, tasks performed by many of its volunteer officials. However their hard work, which builds on the foundations laid by previous JCR members, has provided important services such as free contraception, subsidised taxi services, college balls, the JCR magazine *Simpkins*, and organised sport, amongst many others, to other junior members and these contributions should be applauded. It has been a privilege, a challenge, and an enjoyable experience being President in such 'interesting' times. Looking ahead, given actions to reduce, and calls to further reduce, state-funded student support, it appears that yet more interesting times lie ahead for the Junior Common Room.

Will Hartshorn

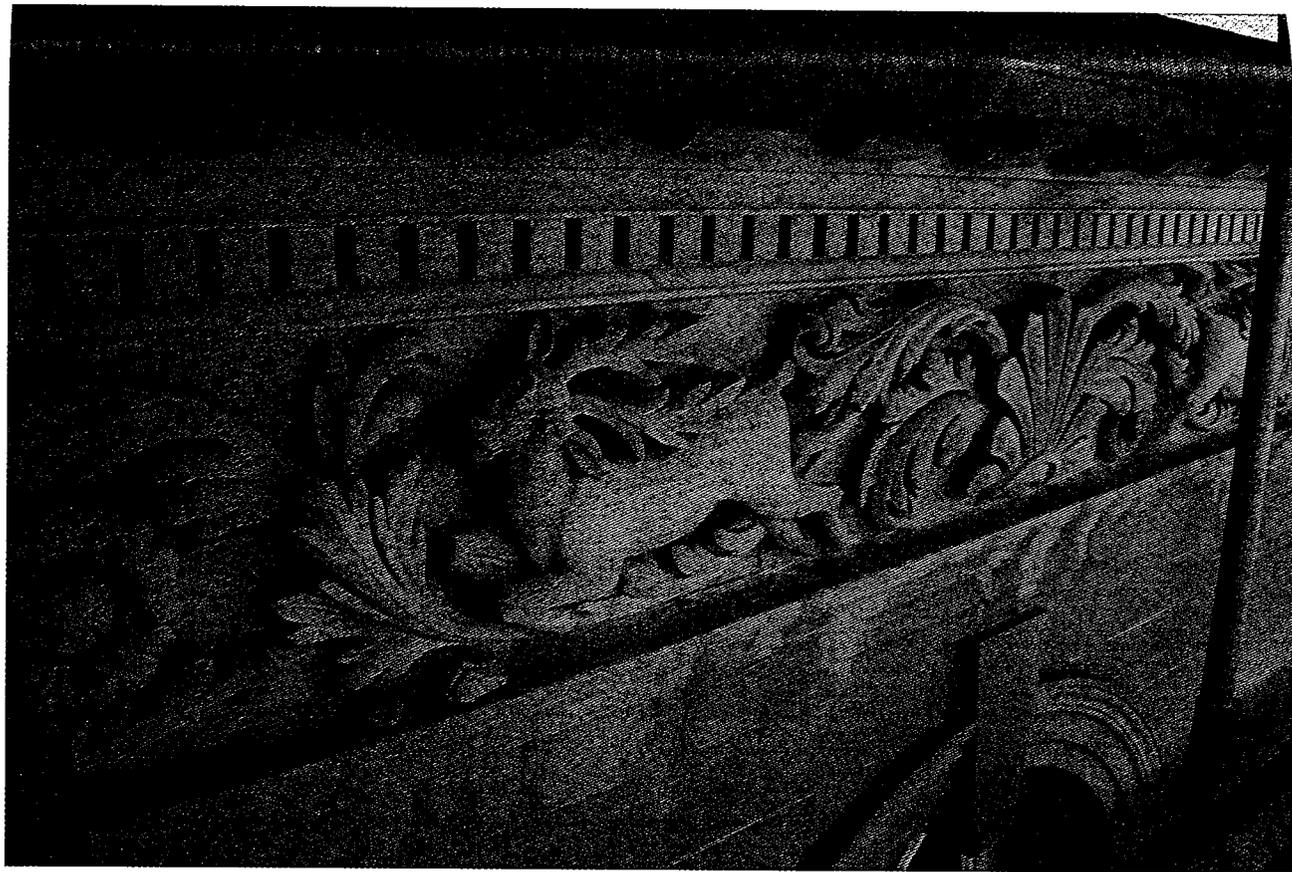


Plate 1

Details of the stonework of the frontage

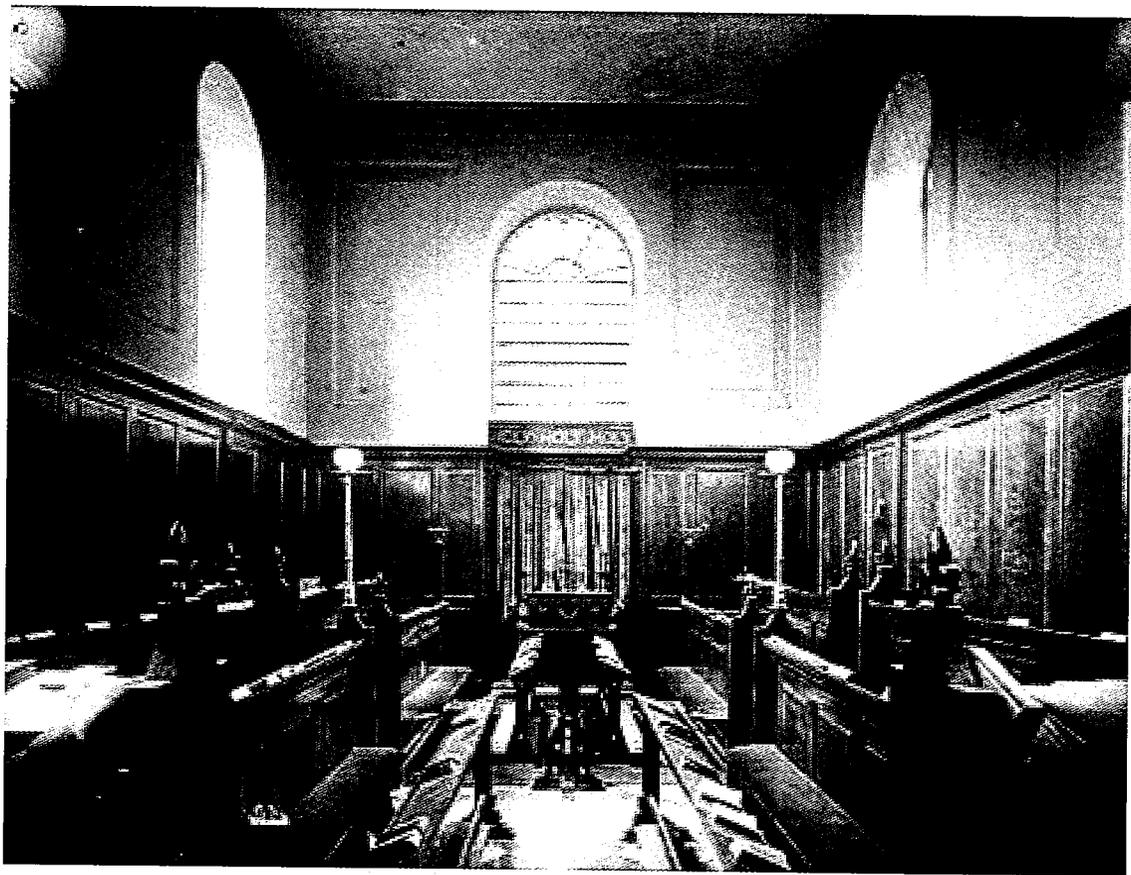
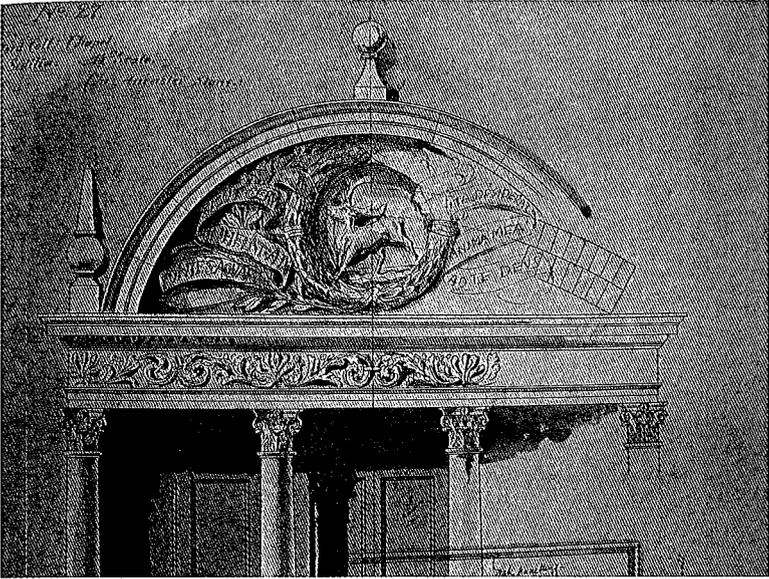
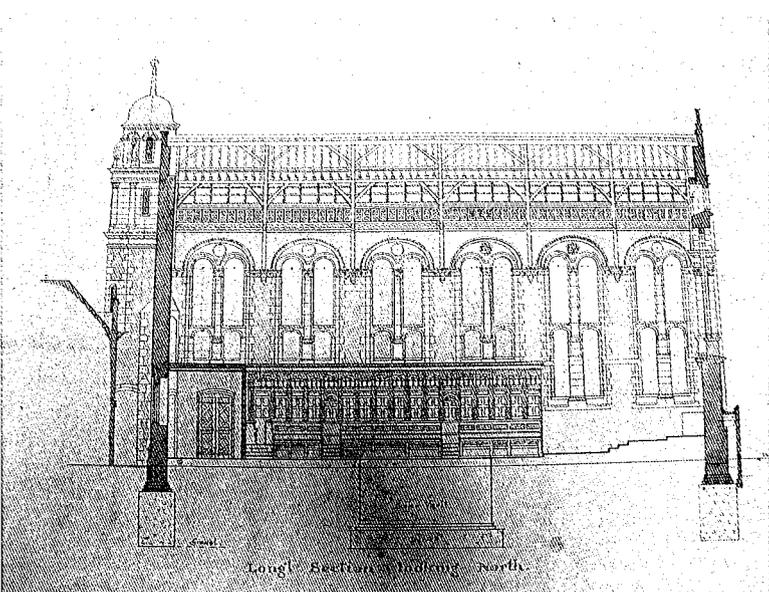


Plate 2

Plate 2 The Old Chapel interior (© Images and Voices, Oxfordshire County Council)



Two of Jackson's architectural drawings produced for the College in 1904. Above: This drawing for the Chapel's sedilia is a good deal more ornate than the pediment that was actually constructed. This is the case with much of the detail within the sanctuary where Jackson's drawing display an artist's enthusiasm.



A cross-section of the Chapel looking north, showing the vaults which now house the Van Noorden and Swift rooms. Jackson's attention to detail is remarkable, as is the faithfulness today's building still has to this vision, drawn four years before the Chapel was completed.



The memorial service for Professor Tanner.

The Middle Common Room

President: Toby Murray
Secretary: Ryan Thoreson
Treasurer: Ed Wilman

As with last year, we must begin with an apology, since the outgoing President is, once again, not available to report on the excellent work done by the MCR committee last year, under Toby Murray's leadership.

The new academic year began with Freshers' Fortnight, which saw the new members of the MCR welcomed to Oxford and Hertford, with, among other events planned to facilitate their integration, guided tours of College, dinner in Hall, President's drinks in the Octagon, and, outstandingly, the Jazz and Cocktails' Night and the Matriculation Ball in Hall. A Fresher myself last year, that fortnight is one of the parts of my time at Hertford that I remember most fondly, and my thanks go to all the members of the MCR who worked to make us feel welcomed and at home, especially the Social Team, Jamie Anderson, David Edelman, David Ferguson, and Daniel Jordan.

The College's social and cultural scene was enriched by many activities both on the main College site and at the Graduate Centre. The Octagon was host to some of the year's most important events, including Waugh Night, the exchange dinners with other colleges, among them Worcester, Wadham, Exeter, Lincoln and Oriel, Burns' Night, and the academic soirée of the year, 'A Discourse on Love: Adult Attachment and the Chemicals that link us', by a Visiting Student from Hartford College, Connecticut, David Spiro. The Tea Room enjoyed a very well deserved renovation over the Christmas break. In the Graduate Centre's common room Monday nights were made more enjoyable thanks to our Arts Rep., Anna Pietrowski, whose access to the English Faculty Library brought such magnificent titles as *The History Boys*, *Hero*, and *Donnie Darko*. Welfare brunches were the best way to start the last Sunday of every term, thanks to our Welfare Officer, Jeeshan Chowdhury; and many had the opportunity to indulge their sweet teeth thanks to the dessert potluck organized by our Social Secretary, Jamie Anderson.

The MCR did well in sport. Rahul Bathra participated in the 2008 Varsity Channel swim, with our sprint fly specialist leaving the Cambridge boat trailing in his wake. In Cuppers Dancesport with a joint team including the MCR's Sara Smith and Sarah-Jane Bailey Hertford won not only the team award (for having the four top scoring couples) but also the award for the best college overall, making us one of the few colleges to hold both titles at the same time. The MCR's strong tradition of rowing success

was maintained when the Women's first squad achieved its highest position on the river ever in Summer Eights, with the support of our member Ellen Røyrvik.

The year ahead looks bright. We hope not to fall short of the high standard set by Toby and the committee for 2008-9. The committees, both past and present, would like to thank the College staff for their unfailing support, without which our events would not run, particularly Bob Hart and the Hall staff, Anne Timermanis and her team, especially Natasha for NB 7, Janet for the Graduate Centre, and Janice and Paul for all their work in North Oxford, Chris Maskell and the Lodge team, Greg Jennings and the IT team, and finally Jim Coyle and his maintenance staff. Lastly, we would like to thank Dr Tyerman for his important role as Tutor for Graduates.

Abby Loebenberg MCR President
J. Rubén Gómez Castellanos MCR Secretary

Sport

The 2008/9 JCR year was one of solid success across the board for Hertford sports teams and an exceptional one in terms of blues team representation. In terms of college sport, some sports matched their levels of success in previous years, whilst others in which the Hertford team is often found languishing at the bottom of the college rankings showed real signs of progress. Hertford students achieved either Blues or Half-Blues in 18 different sports, and in 2009-10 will have five Blues team captains or presidents.

In terms of reliable success, having improved steadily year after year, the boat club again set the standard for the other Hertford teams. In Torpids M1 bumped up 3 places into the 1st division and in Eights W1 are now the highest placed women's crew HCBC has ever had. The cricket team won 4 out of its 6 games played, narrowly missing out on promotion. The Hertford dancesport team were as reliable as always, winning both the team and overall coppers events whilst the pool team won the 2nd division and achieved promotion to the first.

Perhaps the greatest achievements of the sporting year however were in college sports with limited success in their recent history. Hertford's women's football team for example won the 5th division with an unbeaten record, achieving promotion to the 4th. The women's hockey team were coppers semi-finalists and the newly formed women's basketball team coppers quarter-finalists. The biggest transformation however was in the

fortunes of the men's rugby team who, coming off consecutive seasons containing just one victory, won over half their games and were promoted to the 4th division, mainly due to an exceptional fresher intake.

On the university sporting scene, Hertford has also outdone itself this year, representing the dark blues in 18 different sports from athletics to volleyball. Performances of note included Jack Marriott and James Soane winning swimming varsity on Cambridge soil for the first time in 8 attempts. Leon Farr proved a rock at right back for the Blues football team who deservedly won their varsity match 1-0 at Craven Cottage in March and Lauren Parker was part of the Oxford team crowned 2009 BUCS cheerleading champions. Looking to next year, Hertford will have either the university captain or president in lightweight rowing (Josef Sadowski), football (Leon Farr), men's lacrosse (Fred Snowball), women's waterpolo (Olivia Pierce), skiing (Ewen Maclean), trampolining (Jon Beckett) and modern pentathlon (Amelia Sykes).

All in all then, a solid season for Hertford sport. I would like to take this opportunity to thank all the team captains as well as the groundsmen at the Marston playing fields, especially for their work during the very wet January and February. Special thanks also go to all the members of the JCR leaving this year who have contributed so much to college sport over their time at Hertford. Hopefully this year's intake of freshers will be as keen and as able to help continue Hertford's steady rise to college sporting dominance!

Fred Snowball
JCR Sports Officer 2009

Music

In 2008-2009, under the leadership first of Mark Sweeney, then of John Hardie, Hertford College Music Society continued to be one of the busiest and most successful college music societies in Oxford. Entirely student-run, the society puts on a range of events, from intimate chamber recitals via jazz-and-cocktail evenings to large-scale orchestral performances, in some of Oxford's finest venues.

With its excellent acoustic and full round of services, the Chapel remains the centre of musical life in College, serving as rehearsal and concert venue, as well as the setting for Choral Evensong, Eucharist, and Compline. On Wednesdays in Chapel the Hertford Lunchtime Recital Series, established by the Organ Scholar Tom Hammond-Davies in January 2006, offers performances by both students and visiting

professionals. Highlights of the year have been the return of the Oxford Opera Company with Mozart's *The Marriage of Figaro*, and a virtuosic guitar recital by Dimitris Dekavallas. As outlined in the Chaplain's report, the Chapel Choir has continued its international touring programme, with visits to Bruges and Krakow and in January the Chapel was the venue for Hertford's first Alumni Concert, held as part of the Chapel centenary celebrations.

A major role in HCMS is played by undergraduates reading music, all of whom devote time and expertise to the society's core principle of high quality music-making for all. In this time of cost-cutting in the smaller subjects we are lucky that the College still retains music. This is particularly important in the conducting and management of the College Orchestra, whose membership, while including people from across the University, is drawn largely from Hertford itself. In Michaelmas Term the Orchestra presented a programme of Sibelius, Holst, and Mussorgsky in the Hall, conducted by Mark Sweeney and John Hardie. John also took up the baton for Hilary Term's performance of Joaquin Rodrigo's *Concierto d'Aranjuez*, with award-winning guitarist Dimitris Dekavallas, and Kunal Mehta of the MCR made his conducting debut with Haydn's Symphony No 104 ('London') and Ravel's *Pavane pour une infante défunte*. In Trinity Term's concert Kunal, leading from the violin, directed the orchestra in Bach's Brandenburg Concerto No 3 and Concerto for Two Violins, Strings and Continuo, joined in the latter by Sarah Rogers. The strings of the Orchestra also played Handel's Concerto Grosso in G major (Opus 6, No 1), conducted by Sarah Hanks, and the winds rounded off the evening with Mozart's Serenade for Thirteen Winds.

Trinity Term also saw the now annual concert of the Hertford Bruckner Orchestra, conducted by Paul Coones. Now entering its tenth year, this ensemble comprises players from both Hertford and the wider University, as well as others who travel considerable distances to take part in performances of late Romantic works. In 2009 it returned once again to its *raison d'être*, the symphonies of Anton Bruckner, with a performance of the Fifth in B flat major.

So musical life at Hertford is thriving: long may it continue!

Victoria Arnold

For further information please visit the HCMS website: <http://hcms.hertford.ox.ac.uk>

The Philosophical Society

'Sure he that made us with such large discourse,
Looking before and after, gave us not
That capability and godlike reason
To fust in us unus'd.'

Hamlet IV iv, 36ff.

The Philosophical Society is open to all students doing philosophy, both JCR and MCR, offering a chance for students and tutors alike to escape, briefly, from the requirements of exams and the constraints of the syllabus, and to enjoy philosophical discussion as it was meant to be: with good company, food and drink. We meet roughly once a term for drinks and dinner, followed by a talk by a guest speaker.

Speakers this year have included Oxford philosophers Jim Panton and Tim Bayne, and well-known Cambridge philosopher Simon Blackburn, whose introductory texts *Think* and *Truth* have been widely appreciated by new undergraduates. Our thanks go to them, as well as to our past president, Richard Trainor, and his successor Elizabeth Neate. Their hard work in organizing our termly dinners has borne fruit in the form of the enjoyment and appreciation of all our members. Finally, our resident philosopher Peter Millican deserves special mention as the driving force behind the society, securing many interesting and prestigious speakers.

A Philosophical Society dinner usually begins with drinks and conversation. This is a valued chance for members to socialize outside their year group and subject, but the conversation is hardly limited to Philosophy, and this is far more an occasion to unwind and relax than to network. This continues when dinner – predictably excellent – is served.

However, whilst conversation is never exclusively Philosophy, it does naturally centre on philosophical topics. Any new undergraduate brave or naive enough to announce a position can expect to be challenged on it, with no account for his inexperience. He should always take the challenge in good spirit and occasionally older students can find themselves on the defensive.

But the climax of the evening is always the speaker's presentation. Topics this year have included Tim Bayne's "The vegetative state and the science of consciousness", Simon Blackburn's "The majesty of reason", and Jim Panton's "What comes after welfare?". Topics are wide-ranging throughout philosophy, but are always comprehensible to first-year undergraduates, and interesting to final-year students. But the real indication of the success of the Society comes after the presentation.

Though the speaker has usually finished answering questions by ten o'clock, questions and debate of the topic have been known to continue well into the morning, with the speaker subject to much the same interrogation as the naive fresher.

The society is therefore an excellent example of true Oxonian interest and enjoyment in a subject, away from the unfortunate necessities of essays and reading lists. To many old members, such discussion is a defining memory of their experience at Oxford, and provides a tempting image to inspire new students to take up Philosophy. As the Society continues, it is to be hoped that it will find speakers from among the College's alumni, and continue to offer enjoyment, relaxation, and interest in this most widely relevant of subjects, Philosophy.

Philip Cowderoy

Candidates for Matriculation: Michaelmas Term 2008

Acar, Georgina
Ainley, Jessica
Akinyemi, Jonathan
Arnold, Phoebe
Ashcroft, Helen
Baillie, James
Barter, Edmund
Bavcic, Mak
Bell, Alexandra
Bennett, Helena
Birch, Anne
Boon, Jeremy
Brambleby, Jamie
Buchanan, Nicholas
Cagan, Benjamin
Caleb, Sam
Carr, Celia
Cary, Rachel
Casey, Emily
Cassidy, Camilla
Chesterton, Grace
Chivers, William
Combescot, Pascal
Cornwell, Matthew
Cowan, Amy
Cowley, Lauren
Datta, Angelica
Davies, Emma
Davies, Thomas
Divgikar, Varun
Doucette, Reed
Easton, Flora
Evans, Fiona
Field, Luke
Fraccaro, Valeria
Furusawa, Junko
Gadsden, Martin
Gervais, Rachel
Gileadi, Talia
Gledhill, Robert
Gomez Castellanos, Jose
Gooder, Robert

Grochola, Lukasz
Hamada, Jennifer
Handel, Claire
Hanks, Sarah
Hawkins, Sam
Head, Christina
Henricus, Marsiyana
Hess, Hendrik
Hollister, Suzanne
Hong, Yousook
Jackson, Hamish
Jaffer, Nabeelah
Janeway, Charles
Jhittay, Narinder
Johns, Samuel
Johnson, Erin
Johnson, Victoria
Jones, Sarah
Karadakova, Vassilena
Kawamura, Tomoko
Kearns, Daniel
Kelly, Sarah
King, Matthew
Klingner, Franziska
Koenig, Felix
Kohen, Stefanie
Kueh, Yi Kwann
Listl, Nicolas
Longdon, Amy
Loughlin, Clare
Lu, Ling
Lynn, Richard
Malseed, Katy
Marriott, Jack
McMahon, Kate
Mehta, Kunal
Minden, Joseph
Monaghan, Caroline
Mulvihill, Daniel
Mynott, Jemma-Louise
Nelson, Geoffrey
Newcombe, Emily

Nickel, Charlotte
O'Sullivan-Carty, Sinead
Oldfield, Katie
Osborn, Laurence
Pabari, Suraj
Patel, Anaar
Phillips, Joe
Pietrowski, Anna
Pollard, Hannah
Rademacher, Lukas
Rajagopal, Manasi
Rajendram, Isaac
Randall, Harriet
Regan-Sachs, Rebecca
Rhodes, Felicity
Roberts, Hannah
Robinson, Stephen
Rogers, Jack
Rowe, Emily
Salam, Mohammed Fayaz
Salkind, Jessica
Sanders, Amy
Saunders, Theo
Schuh, Stefanie
Schwan, Jonas
Scott, Kirstie
Sears, Thomas
Selley, Grace
Shadwell, Jonathan
Shah, Chandni
Skinner, Sharon

Smith, Nicholas
Smith, Sara
Smith, Thomas
Soneji, Ushma
Spencer, Mary
Stephenson, Oliver
Stevens, Marcus
Storrs, Benjamin
Tan, Ian Wern
Tasaki, Kazuyo
Thornton, Alice
Thorold, Noah
Tiley, Anna
Verbon, Marja
Vincent, Zoe
Walsh, Amelia
Watson, Natasha
Whitehead, Alex
Wilding-Steele
Willems, Nadine
Williams, Verity
Wilson, Oliver
Wilton, Toby
Wingate, Sophie
Witkowski, Nadia
Wood, James
Woolf, Jonathan
Wright, Samuel
Yang, Xinbin
Yerburgh, Eleanor
Zhang, Jinnan

**MBA Students matriculating via Business School
(Hilary 2009)**

Chaudhary, Kamran
Sudhir, Sanjay

Examination Results 2009

Mods/Prelims

Archaeology & Anthropology

HANDEL, Claire II
 JONES, Sarah II

Biochemistry

GILEADI, Talia Pass
 SMITH, Nicholas Pass
 VINCENT, Zoe Pass

Biological Sciences

O'SULLIVAN-CARTY, Sinead Pass
 SHADWELL, Jonathan Pass
 TILEY, Anna Pass

Human Sciences

MALSEED, Katy Pass
 WILLIAMS, Verity Pass

Medicine

I BM Part I

CARY, Rachel Pass
 KEARNS, Daniel Pass
 SALKIND, Jessica Distinction
 STEVENS, Marcus Pass
 WATSON, Natasha Pass

Finals

CONNER, Caroline II.1
 LODWICK, Lisa I
 SALTER, Joanna II.1
 SZTRIMBELY, Alessandra II.1

Part 1

AMBROSE, Lucy Pass
 CHAU, Che Pass
 DAVENPORT, Emma Pass

Part II M.Biochem

ANDERTON, Christopher II.1
 EARDLEY, David I

Part A

BUSH, Emma Pass
 COWBURN, Benjamin Pass
 MAYNE, Sarah Pass
 MONK, Kirsty Pass

Finals

McDONNELL, Julia II.1
 WELLS, Sophie II.1

I BM Part II Hilary

Term

ADDALA, Dinesh Pass
 AUSTIN, Keziah Pass
 BAILEY, Charlotte Pass
 DOOLEY, Andrew Pass
 GREGORY, Philip Pass

SMITH, Suzannah Pass

STUBBENS, Naomi Pass

Finals

CHRISTIAN, Annabel II.1

FORMAN, Emma II.1

HUGHES, Rhodri II.2

McCANN, Naina II.1

THORNER, Emily II.1

Physiological Sciences

JACKSON, Hamish Distinction OWEN, William II.1

ROBINSON, Stephen Pass

Chemistry

ACAR, Georgina Pass

CORNWELL, Matthew Pass

DATTA, Angelica Pass

SMITH, Thomas Pass

Part I

BRASH, Benjamin Pass

FISHER, Henry Pass

HUGHES-MORGAN,
Daniel Pass

WILMAN, Henry Pass

WOODHAM,
Alexander Pass

2nd Year (Part 1A)

BECKETT, Jonathan Pass

JAMES, Dean Pass

LAD, Jamie Pass

McGINNIGLE, Scott Pass

PRITCHARD, Amy Pass

WARD, Jennifer Pass

Part II M.Chem

BARLOW, Philippa S I

KITCHEN, Helen J II.1

McLAREN, Anna II.1

TAN, Adrian B II.1

Earth Sciences

ASHCROFT, Helen Pass

GOODER, Robert Distinction

RHODES, Felicity Pass

WILDING-STEELE,
Joseph Pass

Part A

ASHLEY, Christopher BA

GADDES, Matthew Pass

HUGHES, Hannah Pass

LANGDON, Ryan Pass

POWNALL, Jonathan Pass

ROUSE-SWEENEY,
Holly Pass

M.EarthSci

HINTON, Charlotte	II.1
LANGHAM, Becky	II.1

Engineering Science

GLEDHILL, Robert	Distinction
KELLY, Sarah	Pass
MARRIOTT, Jack	Pass
SCHWAN, Jonas	Pass
SELLEY, Grace	Pass

Part I

CHARLTON, Peter	Pass
COWARD, Oliver	Pass
TROTMAN, Jonathan	Pass
ROBERTS, Thomas	Pass
WU, William	Pass

Part II M.Eng

CAMPBELL, Louise	II.2
COLLINS, Matthew	I

Engineering, Econ & Manag.**Part II**

MURTOLA, Tiina M	II.1
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Engineering & Comp. Science**Part I**

DU, Feng	Pass
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English

ARNOLD, Phoebe	Pass	FEARON, Rosie	II.1
CALEB, Sam	Distinction	HYSLOP, Leah	I
CHESTERTON, Grace	Distinction	JACKSON, Eve	I
HANKS, Sarah	Distinction	LEWIN, Matt	I
HAWKINS, Sam	Pass	PILKINGTON, Christopher	II.1
MINDEN, Joseph	Distinction	PUGH, Emily	II.1
POLLARD, Hannah	Pass	SAINTHOUSE, Jennifer	II.1
WALSH, Amelia	Pass	TRAXTON, Katie	II.1

English & History

AHSAN, Shahnaz	II.1
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Geography

AINLEY, Jessica	Pass	ALLEN, Christopher	I
BAILLIE, James	Pass	FRENCH, James	I
BOON, Jeremy	Distinction	JARRETT, Delphi	I
CASEY, Emily	Distinction	JARRETT, Isabella	II.1
GERVAIS, Rachel	Pass	KING, Teresa	II.1
JOHNS, Samuel	Distinction	KINNERSLY, James	I
KING, Matthew	Distinction	MILES, Hester	II.1

LONGDON, Amy	Distinction	MURRELL, Lauren	I
PATEL, Anaar	Pass	NIELSON, Sara	II.1
SCOTT, Kirsty	Pass	VAN BESOUW, Alexander	I

History

BUCHANAN, Nicholas	Pass	ASHWORTH, Matthew	II.1
DAVIES, Thomas	Pass	BRODIE, Thomas	I
HEAD, Christina	Pass	CAMPBELL, Sarah	II.1
JAFFER, Nabeelah	Distinction	COLCLOUGH, Jonathan	I
LOUGHLIN, Clare	Pass	IRFAN, Anne	I
RAJAGOPAL, Manasi	Pass	REID, Claire	I
THORNTON, Alice	Distinction	ROBINSON, Laura	II.1
WILTON, Toby	Pass	ROBINSON, Lucian	I
		WAIRERI, Mary	II.1

History & Economics

CHIVERS, William Pass

History & Modern

Languages

COWAN, Amy (F) Distinction (F) GLEAVE, Alice II.1

History & Politics

EVANS, Fiona Pass

Jurisprudence (Law)

(HT 09)

AKINYEMI, Jonathan	Pass	ATKINS, Matthew	II.1
JOHNSON, Victoria	Pass	HEMMINGS, Joanna	II.1
NICKEL, Charlotte	Pass	JAYASURIYA, Shanaka	I
SANDERS, Amy	Pass	KERNTHALER, Peter	II.1

Law/LS.Europe

BIRCH, Anne	Pass	LUND, Hayley	I
SHAH, Chandni	Pass	ROBERTS, Harriet	II.1

Mathematics

BA

BENNETT, Helena	II	KATSANEVAKIS, Giorgis	III
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DAVIES, Emma	I	WATKEYS, Emma	II.1
MYNOTT, Jemma- Louise	I	YE, Delin	II.1
SPENCER, Mary	II		
YANG, Xinbin (Harry)	II		

M.Math Part B

LIU, Modi	II.2
O'KEEFE, Stephen	I
SEIFERT, David	I

M.Math Part C

PERRINS, Andrew	I
VAN KLEEK, Robert	II.1

Maths & Computing

M.Math/Comp Part A

WITTIGER, Matthew	II.1
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M.Math/Comp

MACE, Jonathan	I
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Modern Languages

EASTON, Flora (F/I)	Pass	BALFOUR Catriona (Fr/L)	II.1
KOHEN, Stefanie (G)	Pass	ELY, Rebecca (G)	II.1
RANDALL, Harriet (I/Sp)	Pass	HATTERSLEY, Lisa J (Fr/Sp)	II.1
ROWE, Emily (F/L)	Distinction (L)	MILLER, Pippa J (Fr)	II.1
WINGATE, Sophie (F/G)	Distinction (G)	SPENCER, Laura (Fr/Sp)	II.1
		TEASDALE, James (Sp/L)	II.1

Music

NEWCOMBE, Grace (Organ Sch)	Pass	O'SHEA, Maximillian	II.1
OSBORN, Laurence	Pass	SWEENEY, Mark	II.1

Oriental Studies

KIM, Sung (Miss) (Jp)	Pass	COSSIN, Marion (Jp)	I
MAXFIELD, Nicholas (Jp)	Pass	ENGMAN, Charles (Jp)	I
MILLICHIP, Daniel (Jp)	Distinction	NGUYEN, Thu P (Ch)	I
		NOWELL-SMITH,	I

Cecily (Jp)
 POWRIE, Cameron (Jp) II.1

PPE

CARR, Celia	Distinction	BARRETT, Pierpaolo	II.1
FIELD, Luke	Pass	DAGGERS, Jessica	II.1
HOLLISTER, Suzanne	Pass	EVANS, Nia	II.1
JANEWAY, Charles	Pass	NADESAN, Thishani	I
KOENIG, Felix	Distinction	QU, Hsueh	I
SONEJI, Ushma	Pass	SAINSBURY, Laura	II.1
STORRS, Ben	Pass	TRAINOR, Richard	II.1
TAN, Ian	Pass		
THOROLD, Noah	Distinction		

Economics & Management

HAMADA, Jennifer	Pass	ASHURST, Samantha	II.1
KUEH, Yi (Russell)	Distinction	AWOYINKA, Tosin	II.1
LISTL, Nicolas	Pass	BOOTHMAN, Timothy	I
PABARI, Suraj	Pass	EDWARDS, Melanie	II.1
ROBERTS, Hannah	Pass	KAVANAGH, Paul	II.1
SKINNER, Sharon	Pass	KHILNANI, Riya	I
VERBON, Marja	Pass	RANPARA, Kunal	I
WHITEHEAD, Alex	Pass		

Psychology

COWLEY, Lauren	Pass	<u>Part I</u> CLARK, William	Pass
		KWAN, Zuzana	Pass
		SADOWSKI, Josef	Pass

Part 2

EWAN, Eleanor	II.1
SPIRO, David	II.1

Physics

ASTIN- CHAMBERLIN, Nirvana	Pass	<u>FHS Part B (2nd Yr)</u> BOYD, Jessica	Pass
BARTER, Edmund	Pass	BUTTERFIELD, Fiona	Pass
BRAMBLEBY, Jamie	Distinction	KANDASAMY, Rohan	Pass
PHILLIPS, Joe	Pass	LANE, Rebecca	Pass

SEARS, Thomas	Pass	ODUSANYA, Tope	Pass
WRIGHT, Samuel	Pass	SMITH, Mark	Pass

M.Phys (3rd Year)

MACLEAN, Ewen	Pass
PINNEGAR, Thomas	Pass

B.A.

SCOTT, Simon	II.2
STERLAND, Charlotte	II.2

M.Phys (4th Year)

BARNES, Joshua	I
PATEL, Anup	I

Physics and Philosophy

BAVCIC, Mak	Pass
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M.PhysPhil (3rd Year)

BUXTON, Elinor	II.1
COWDEROY, Philip	II.1

Scholarships and Prizes awarded 2008-9

The following were elected to Scholarships in recognition of achieving Distinction or First Class in the First Public Examination:

Jeremy Boon	Geography
Jamie Brambleby	Physics
Sam Caleb	English
Celia Carr	Philosophy, Politics & Economics
Emily Casey	Geography
Grace Chesterton	English
Amy Cowan	History & Modern Languages
Emma Davies	Mathematics
Robert Gledhill	Engineering Science
Robert Gooder	Earth Sciences
Sarah Hanks	English
Hamish Jackson	Physiological Sciences
Nabeelah Jaffer	History
Samuel Johns	Geography (John House Prize)
Matthew King	Geography (John House Prize)
Felix König	Philosophy, Politics & Economics
Yi Kwann Kueh	Economics & Management
Amy Longdon	Geography
Daniel Millichip	Oriental Studies (Gibbs Prize shared)
Joseph Minden	English
Jemma-Louise Mynott	Mathematics
Emily Rowe	Modern Languages & Linguistics
Jessica Salkind	Medicine (Gibbs Prize Proxime Accessit)
Alice Thornton	History
Noah Thorold	Philosophy, Politics & Economics
Sophie Wingate	Modern Languages

The following were awarded College Book Prizes for winning University Prizes or Commendations:

Archaeology & Anthropology

Lisa Lodwick Meyerstein Prize

Chemistry

Jennifer Ward Turbutt Prize for 2nd year Organic Chemistry Practicals.

Engineering Science

Matthew Collins IME's Frederic Barnes Waldron Best Student Prize

English

Eve Jackson Charles Oldham Shakespeare Prize (joint award)

Geography

Christopher Allen H.O. Beckett Prize (joint award)
James French Gibbs Prize (joint award) and
H.J. Herbertson prize Proxime Accessit
James Kinnersly Gibbs Prize Proxime Accessit
Lauren Murrell H.J. Herbertson Prize Proxime Accessit
Alexander Van Besouw Gibbs Prize Proxime Accessit

History

Thomas Brodie University Book Prize

Human Sciences

Helen Burn Bob Hiorns Prize for best overall performance

Mathematics

David Seifert Gibbs Prize for best BA performance

Physiology

William Owen Steve Trout Dissertation Prize

*Politics, Philosophy &
Economics*

Hsueh Qu Gibbs Prize in Philosophy

College Prizes were also awarded as follows:

Biochemistry

Talie Gileadi Garth Robinson Prize
Nicholas Smith Garth Robinson Prize
Zoe Vincent Garth Robinson Prize

Chemistry

Jennifer Ward John Stubbley Prize for best performance of a
Hertford student in Part 1A exams

History

Thomas Brodie Boase Prize
Jonathan Colclough Dangerfield Prize (shared)
Claire Reid Dangerfield Prize (shared)

Physics

Joshua Barnes	Tanner Prize
Jessica Boyd	Tanner Prize
Jamie Brambleby	Tanner Prize
Rebecca Lane	Tanner Prize
Tope Odusanya	Tanner Prize
Anup Patel	Tanner Prize
Thomas Sears	Tanner Prize
Mark Smith	Tanner Prize
Samuel Wright	Tanner Prize

Graduate Examinations: Distinctions and Prizes

The following were awarded College Book prizes for achieving Distinction in Graduate Examinations or for winning a University Prize:

Alexandra Bell	Alfred Douglas Prize
Camilla Cassidy	Distinction (MSt English)
Alistair Fletcher	Distinction (BCL)
Martin Gadsden	Distinction (MSc Biodiversity, Conservation & Management)
Thomas Jellis	Distinction (MSc Nature and Environmental Policy)
Brian Johnsrud	Distinction (MSt Social Anthropology)
Heather Sargent	Distinction (BCL)
Stefanie Schuh	Distinction (MSt Med & Mod Langs)
Sara Smith	Distinction (MSc Applied Linguistics)
Ryan Thoreson	Distinction (MPhil Social Anthropology)
Nadine Willems	Distinction (MSc Modern Japanese Studies)

DPHils successfully completed

The following were granted leave to supplicate for the degree of DPhil:

Pavlina Bobic	Modern History
Rasheduzzaman Chowdhury	Chemistry
Simon D'Alton	Human Anatomy and Genetics
Adam Dixon	Geography
Julie Ferguson	Earth Sciences
Stephen Forrest	Modern History
Bettina Gerken	Astrophysics
Pei-Tseng Hsieh	Educational Studies
Steven Hughes	Organic Chemistry
Alexander Lang	Archaeology

Dorota Leczykiewicz
Daniel McGahey
Andrew Powell
Matthew Rodger
Alan Ross
Nicole Saad
Melanie Sharp
Rufus Taylor
Yoko Tsuruta

Law
Geography
Particle Physics
Earth Sciences
Modern History
Biochemistry
Experimental Psychology
Law
Educational Studies

Degrees conferred from October 2008 – August 2009

B.A.

Albot, Constantin	Hanstock, Holly
Alcock, Edward	Harkin, Guy
Allen, Felix Jack	Hayes, Rachel
Arden, Katherine	Horsley, Jack
Arnold, Michael	Jelski, Thomas
Bailey, Charles	Jones, Emma
Barton, Hannah	Khiriyskaya, Irina
Bedford, Rachael	Law, Esther
Bell, Christopher	Leeson, Amelia
Bentley, Christopher	Lewis, Veronica
Bhatia, Samina	Lond, Gareth
Birks-Agnew, Iona	Lowe, Thomas
Bleaney, Christopher	McGeever, Sam
Bramble, Alexander	McGowan, Helen
Brooks, Elizabeth	McGranaghan, Mark
Bull, Eleanor	McMenamin, Katie
Byrne, Daniel	McNally, Lisa
Calvert, Daniel	Muess, Stuart
Cannon, Paul	Nepil, Hannah
Cawthorne, Hannah	O'Sullivan, Lydia
Chambers, Rachel	Oakley, Catherine
Cima, Tomas	Pancratz, Sebastian <i>by incorporation</i>
Clapham, Hannah	Parke, Anna
Coleburn, Madeline	Parker, Chrisopher
Cossin, Marion	Parker, Thomas
Cownie, Jennifer	Phillips, Matthew
Crapper, Thea	Powrie, Cameron
Cross, David	Quarini, Elizabeth
Danforth, Emma	Ratty, Leonie
Davies, Eleanor	Romanowicz, Joanna
Davies, Molly	Roudot, Segolene
Davies, Thomas	Ruffle, Amy
Davis, Monique	Sageman, Chloe
Dolan, Freyja	Samoon, Adam
Engman, Charles	Sinclair, Elizabeth
Ferguson, Sally	Stanford, Jennifer
Flynn, Jonathan	Stevens, Juliet
Freeman, Rosalind	Sunda, Daisy
Gisby, Laura	Swann, Elizabeth
Grant, Christina	Taylor, Mark
Halder, Titus	Tayub, Rashid

	Titcombe, Adrian		Meheran, Nicola
	Tomczak, Philippa		Midgley, James
	Tringham, Rebecca		Whitworth, John
	Trott, Daniel		
	Vass, Katherine	<i>M.Math</i>	
	Vu, Mai		Graham, Matthew
	Wilkins, Eric		Li, Matthew
	Wilson, Fiona		Martin, Simon
	Witkowski, Nadia <i>by incorporation</i>		
	Zawisza, Tomasz	<i>M.Phys</i>	
<i>M.A.</i>			Barbour, Edward
	Baines, Robert		Choraria, Bhavan
	Clark, Guy		Wilson, Matthew
	Coffin, Jenny		Woolley, Peter
	Dua, Sharat		Worsley, Andrew
	Farrow, Stephen	<i>M.PhysPhilos</i>	
	Ferguson, Sally		Sparrow, Gemma
	Fisher, James		
	Francis, Robert	<i>M.Chem</i>	
	Froggart, Keith		Slade, Kerensa
	Harkin, Guy		Stubbs, Christopher
	Kow, Jason		
	Leake, Mark <i>by incorporation</i>	<i>M.Eng</i>	
	Lloyd, Simon		Abercrombie, Stuart
	Lonsdale, Benjamin		Ahmed-Jushuf, Aleem
	Marflow, Kate		Davies, Phillip
	Mather, Simon		Holm, Patric
	O'Malley, Matthew		Kot, Nigel
	Rada Krishnan, Zubin		Rowlinson, David
	Ramakrishnan, Ashan		Woolway, Thomas
	Ravenscroft, Thomas		
	Shaw, Maria	<i>BMBCh</i>	
	Simmons, Rebecca		Bates, Alexander
	Steele, Benjamin		Garfeld Roberts, Patrick
	Tayub, Rashid		Jones, Joseph
	Titcombe, Adrian		MacDonald, Andrew
	Trevelyan Thomas, Tessa		
		<i>M.Biochem</i>	
<i>BFA</i>			Atkinson, Sophie
	Fudakowski, Catherine		Cross, Joe
			Moir, Helen
<i>MESci</i>			
	Marnham, John		

M.Sc

Fordyce, Sarah
Gibbs, Damany
Harris, David
Inoue, Emiko
Kwok, Jia-yan
Poole, Eloise
Wang, Di

M.St

Bianco, Marcie
Gautreau, Abigail
Lee, Soyoungh
Roberts, Leanne
Valbret-Dearden, Julie
Wafford, Quorvette
Witkowski, Nadia

M.B.A.

Bergbaum, Andrew
Brennikmeijer, Albert
Brown, Gavin
Foster, Philip
Leduc, Mark
Mann, Swapandeeep
Pathiyal, Krishna
Roberton, David
Rooth, Jeremy
Skafte-Pedersen, Jakob
Tharmaratnam, Geetha
Webb, Dexter

M.Phil

Anderson, Jamie
McIndoe, Tara
Salvador-Amores, Analyn
Thoreson, Ryan
Williams, Mark

D.Phil

Anansettasiri, Thaweesak
Arulanantham, Haren
Auton, Adam
Cockburn, Joseph
Farr, Helen
Harding, David
Hendry, Katharine
Houghton, Ryan
Hughes, Steven
Iqbal, Aman
Lambert, Francis
Lang, Gerald
Mason, Amy
McCabe, Michael
McGuinness, Barry
Mosley, Peter
Patey, Susannah
Sharp, Melanie
Swinbank, John
Taylor, Rufus
Tsuruta, Yoko
White, Gemma
Wyporska, Wanda

D.Sc

Cui, Zhanfeng

Low Energy Particle Physics: extracting the secrets of antimatter from the humble neutron

A few hours drive south of the CERN particle physics laboratory, a much smaller experiment is preparing to probe some of the same questions concerning antimatter and fundamental forces which are addressed by the Large Hadron Collider. While the CERN collider does this by smashing protons together at enormous energies to create exotic new particles, our project works in an altogether different way, by cooling neutrons to very slow speeds and looking very closely at how they behave in an electric field.

As one of the three constituents of atoms, neutrons are extremely common, stable, and of limited interest to high energy particle physicists. When removed from the protective environment of the atom, they take on a quite different, unstable character, with a lifetime of just under 15 minutes. Lacking an electrical charge, they are difficult to stop and can penetrate thick radiation shielding. When they do hit an atom, they can change its nature, making stable nuclei radioactive.

The neutron's ability to penetrate deep into matter makes it a very useful tool for research. Undeterred by the fuzzy cloud of the electrons surrounding an atom, a neutron beam can pass straight to the nucleus of an atom, allowing us to probe the inner magnetic structure of materials. For this purpose the Institut Laue-Langevin was founded by France, Germany and the UK. Located in Grenoble, at the foot of the French Alps, it uses a nuclear reactor to produce the most intense source of neutrons in the world. These are directed to a range of instruments, in which neutrons are scattered off samples, in order to probe their structure and behaviour. This has allowed researchers to unravel the structure of cells and proteins, and develop new magnetic and superconducting materials.

In addition to studying the properties of matter, the world's most intense neutron source is also used to study the neutron itself. Our project, called *cryoEDM*, is aiming to make a very precise measurement of the shape of the neutron, by measuring its *electric dipole moment (EDM)*. If the neutron is perfectly symmetric, it will have an EDM of zero, but if there is a slight imbalance of electric charge on one side, this will have a non zero value. To date every measurement has given a value of zero. These experiments started in the 1950s, and have kept going, increasing their sensitivity by a factor of ten every seven years or so, such that we have now reached a quite mind-blowing precision – if the neutron were the size of the Earth, our limit would be equivalent to two electron charges separated by just a few micrometres. At this point it may seem sensible to

conclude that the EDM is zero, and the neutron is perfectly symmetric. But there is a very good reason to believe the neutron EDM is non zero at some level: the fact that the Universe exists at all.

As every Dan Brown fan knows, when matter and antimatter meet, the two annihilate in a burst of energy. But as equal amounts of matter and antimatter were created after the big bang, then by now these should have annihilated, leaving the Universe full of radiation, but empty of stars, planets and everything we see around us. Therefore we conclude that this simple model of the Universe is not complete.

In 1967, Soviet physicist Andrei Sakharov investigated this problem, and showed that if certain particle interactions are not perfectly symmetric, this could lead to a slight excess of matter over antimatter in the early Universe, so that after all antiparticles had annihilated, there would be enough matter left to form galaxies, stars and planets.

Many particle physicists are now searching for this subtle asymmetry in particle interactions. Researchers at CERN do this by studying the properties of exotic particles called B-mesons. But one of the most promising ways to do this is by measuring the shape of the neutron. A fundamental asymmetry in the laws of nature would reveal itself as a non-zero neutron EDM. So by measuring this we can explain why the Universe exists as we know it.

Our experiment is built at the end of a neutron beamline coming out of the Institut Laue-Langevin nuclear reactor. The neutrons it produces are too hot to handle for a high precision measurement, so we first have to cool them down by sending the beam into a tank of superfluid helium. This produces more docile *ultra-cold neutrons*, which we store in a cell with large electric and magnetic fields, making them spin around like spinning tops. We plan to measure any shift in the frequency at which the spins precesses, when the electric field is changed. A small shift correlated with a change in the electric field would be a sure sign of a non-zero electric dipole moment.

After many years of design and construction, the experiment is ready to start operation. In May this year we started cooling the apparatus with liquid helium, and we are now preparing to take the first neutron measurements. This will be the start of a long period of running, which we expect to last several years as we fine-tune the equipment and collect enough data to measure the EDM to a new precision. Maybe at the end of this, we will be able to explain why the Universe exists at all.

Our team of around thirty people is tiny compared to some particle physics collaborations, which include hundreds or even thousands of scientists. But we are studying the same fundamental particle interactions, and our results may be just as groundbreaking.

I joined the project in 2005 after completing a DPhil and postdoc working on another experiment searching for the mysterious dark matter believed to make up the majority of the mass of the galaxy. I have worked on the design and construction of a SQUID magnetometer to monitor magnetic field fluctuations within the apparatus. As part of this, I carried out a series of tests in the Laboratoire Souterrain à Bas Bruit in a former nuclear bunker in Provence, using our magnetometer to measure tiny fluctuations in the Earth's magnetic field due to currents in the ionosphere. At the same time I have remained involved in dark matter experiments, and I have coordinated a research programme funded by a grant I received from the John Fell Fund to investigate scintillator particle detectors for the EURECA project – a proposed one tonne dark matter detector.

Sam Henry

Book Review

Why England Lose: and Other Curious Phenomena Explained
Simon Kuper and Stefan Szymanski (Harper Collins 2009: £15.99)

The last decade has seen a crop of books on Economics for the general reader, mentioned enthusiastically by candidates to Oxford as evidence of their reading outside the classroom. Authors such as Steven Landsburg, Steven Levitt and Tim Harford have now been joined on the list of popular authors by Stefan Szymanski (Hertford College, 1979), writing in collaboration with the journalist Simon Kuper.

Szymanski runs a research centre, the Sports Business Network, at Cass Business School, having previously been Director of the MBA there. He has built up and is now the recognised media guru of a new branch of Economics, the Economics of Sport, being editor and a main contributor to the *Handbook of the Economics of Sport* (2006).

The intriguing book title refers to the idea that English teams, and especially football teams, are great losers. Applying economists' technique of regression analysis to a carefully assembled data base of results of football internationals, Szymanski and Kuper are able to show that a nation's results are largely explained by its population and income per head, its football experience and its home advantage at the time of the games. Allowing for these factors, England in fact marginally outperform.

The key of their analysis of the transfer market in footballers, tested on the yearly positions of forty clubs over twenty years, is that 92% of the variation of the position is explained by variation in the players' salary bill. Most managers have made a mess of their purchases of new players, overpricing centre forwards, those with past success at other clubs and older players. Spending on transfer fees explains very little about relative positions.

This leads to an elegant demonstration of discrimination against black players before 1990. Given the equation linking salaries to league position, Szymanski and Kuper show that, before 1990, those teams with a greater proportion of black players did better, relative to the total salaries paid, than those with a lower proportion. Black players were thus proven to be underpaid, relative to the talent they were contributing to their teams, a discrimination which disappears later in the time series.

Of course it does not follow that causation runs from salaries to success. It is the talent of the teams' players that determines both the success and the salary bill. Paying more to an existing team of players does not raise

their final league position, despite that being a tempting conclusion to the casual reader. The authors are not always correct in their use of their equation. Kuper said in an article in the *Financial Times* that because spending on salaries explained 92% of league position variation the team manager must make little difference, a conclusion which does not follow statistically. Some managers do better than their player expenditure would suggest and others do worse, but whether managers make a difference cannot be deduced one way or the other from the equation.

While the authors are football-centred, and Szymanski is even a Saturday morning coach of primary school children, there is much analysis of interest to followers of other sports. With the Olympics to be hosted by London in 2012 it should be noted that Szymanski and Kuper find that hosting sports tournaments does not substantially increase the number of tourists, full-time jobs or economic growth, though happiness may increase in the host country.

The book is light-hearted and the reader is drawn along at a fast pace. Most people like sport – the authors will prove to you which nations like it most – and would be glad to have this book. I was impressed by the way clichés about football and other sports can so often be shown to be untrue.

Roger Van Noorden

Our Head Porter in Costa Rica

Early in 2008, having previously completed the Town and Gown fun run and the London Marathon in aid of the Muscular Dystrophy Campaign, I was approached to see if I would be interested in trekking across the Costa Rica rainforests to raise money for the charity. I saw this as an opportunity of a lifetime and quickly signed up for it. I spent months in the gym and out and about running in preparation, and in January 2009 I set off with my fellow trekkers to San José for the start of the trek.

Days one and two saw us walking in the shadows of the Irazu volcano, which was an absolutely amazing view. Unfortunately, during the second day, and in just about the most inaccessible part of the entire trek, one of our team tripped during a river crossing and broke her leg. It took us over three hours to carry her up the side of a very steep valley through mud and forest, to the nearest point a 4 x 4 could get to, and then onward to hospital. This meant arriving at our camp for the night in darkness, although the rest of us were raring to go the following morning.

During the trek we saw some amazing sights, including monkeys, reptiles, and different types of vultures, and were able to walk through the famous Costa Rican coffee plantations. After all the walking was completed, we were supposed to do a short white water raft trip down a grade 3 river, but plans were changed with short notice, and, after checking that our individual insurances covered it, we were transferred to the Rio Pacuare, which is a grade 4, and is one of the best white water rivers in the world. I've done some extreme sports in my time but this by far beat the lot: a day and a half rafting through some of the most beautiful scenery I have ever seen.

The whole adventure was rounded off with a Gala night in San José, followed by our flights home. The people I met will remain friends for life, and I look forward to my next big adventure, which I hope will be trekking through Nepal in the shadow of Mount Everest.

I thank family and friends, and the amazing generosity of staff and fellows of the College, who helped me raise over £3,000 for Muscular Dystrophy.

Christopher Maskell

Autrefois: from the College Magazine for 1968/9

'Outdoors, the whole of the Catte Street front and the Bridge now have the same pristine appearance which the Jackson building must have presented for the Encaenia procession apparently described by Thomas Hardy in *Jude the Obscure*, at which Jude expatiates to the crowd on the carving of the frieze and the meaning of the Latin motto above the gates'.¹ The transformation thus recorded in 1969 appears to have been the result of simple cleaning, not strictly comparable with the major refurbishment which the Catte Street frontage has undergone over the past year.

This forms a pleasing parallel to the opening paragraph of our Principal's Letter. But the leading item of College News in 1969 was the sudden and untimely death in April of John McMahan, Tutor in Jurisprudence and Dean, in New York, where he was acting as Consultant to the Office of

¹ VI 1; see Plate 1. Jude, as a stone-mason by trade, has a professional interest in the workmanship. Our motto *Sicut cervus anhelat ad fontes aquarum* is the opening of *Psalm 42* 'As the hart panteth after the water brooks (so panteth my soul after thee, O God)' (AV), familiar from Tate and Brady's metrical version, 'As pants the hart for cooling streams/ When heated in the chase./ So longs my soul, O God, for Thee/ And Thy refreshing grace'.

Legal Affairs of the United Nations in the preparation of legal studies on the peaceful uses of the sea-bed and ocean floor beyond the limits of national jurisdiction. Obituaries later in the Magazine emphasise his distinction as an international lawyer, while Mr Cockshut's address at the memorial service held in Chapel highlights his essential qualities, stressing, in particular, that 'He made a very firm distinction between the things that matter and the things that don't, and the place where he drew the line was not always where other people drew it.' His likeness hangs in the Library below the photo of Roy Stuart, his successor.

Hertford in 1968-9 was a much smaller college, the number of finalists being less than half the present cohort; there were grounds for satisfaction in the continued rise in the number of firsts and seconds combined. In those days, we must remember, the second class was undivided, some sensible and hard-working people got thirds, and it was certainly possible to get a fourth. Readers of *Brideshead Revisited* will remember that the hero, visited in his first week by his cousin Jasper, is told 'You want either a first or a fourth. There is no value in anything between. Time spent on a good second is time thrown away.' Fortunately Hertford undergraduates generally thought otherwise.

The JCR claimed that 'this year's watchwords in JCR affairs, perhaps mirroring trends in the outside world, have been "participation" and "communication"'. The kitchens and the standard of food had been a major concern; 'less serious, but no less important, have been discussions of co-education, the use of J.C.R. finance, and the status of the various student representative bodies *vis-à-vis* the J.C.R'. The purchase of a stereophonic radio for the Reading Room is highlighted as 'perhaps the major achievement of the departing J.C.R. administration'; however, reception of Radio One still left much to be desired. The Ball Committee, evidently an ingenious lot, 'managed to turn the Old Quad into a mind-blowing technicolour dream machine': this must have been memorable, and further details would be welcome if any old member can supply them.

The MCR was rapidly increasing in numbers, and correspondingly pleased to report improvements in the scope and decor of their premises; appreciation is expressed 'for the interest and energy shown by the Hertford Society in our activities.'

College clubs and societies were variously active. The Tyndale Society, having slumbered since 1965, awoke, beginning its programme with an

illustrated talk about modern art, by Dr T.S.R.Boase;² the President, Mr Markham, is warmly thanked 'not only for the loan of his room, and for much refreshment, but also for the continued encouragement he has given towards re-founding the Tyndale Society, one of the oldest and most venerable of College Societies'. The Fox Society had a jolly time debating the motion 'This House deplores the present permissive attitude towards work'. The inauguration of the Plot is recorded. Conceived 'with the intention of encouraging discussion of any topic of interest amongst the members and their guests', with the object of bringing together the arts and science sides of the College, it owed its existence to Professor H.M. Powell's initiative,³ deriving its name from Dr Robert Plot, Fellow of Magdalen Hall, and author of *The Natural History of Oxfordshire*; a copy of the second edition (1705) of this fascinating work (of which the College already owned a first edition (1677)) was presented by Professor Powell, to be held by the (student) President of the Society as a symbol of office. Professor R.V. Jones, Director of Scientific Intelligence in World War II and later Professor of Physics at Aberdeen visited the Plot in Michaelmas Term 1968 'and delighted us with his volubility'. The activities of the Hart players had been rather restricted owing to 'scanty cash reserves and the limited amount of acting, production and technical talent', but the prospects, both financial and histrionic, looked brighter, and a production of Chekhov's *The Bear* had gone well. Two members had written 'what can only be called a semi-psychedelic sound-light-movement-speech "thing" ' called *Pandora*, to be presented in the College Chapel. The Art Committee had inaugurated a policy of buying prints and planned to hold an exhibition of work by local artists, including undergraduates.

On the Isis, determination was more conspicuous than success. In addition to the three main crews, there was in the summer also a Rugger VIII and a 5th VIII; 'the former gained the distinction of finishing Bottom of the River'. There was no lack of enthusiasm for other forms of sport, including chess, squash, and archery (in which two men achieved half-blues).

SW

² Dr Boase (1898-1974) was an Honorary Fellow of Hertford; in 1968 he had recently retired from the Presidency of Magdalen; see further *Oxford Dictionary of National Biography* s.v.

³ 'Tiny' Powell, like Plot, combined the tenure of a chair of chemistry with multifarious intellectual interests; for further details Keith McLauchlan's obituary in the College Magazine for 1997/8 should be consulted.

News of Old Members

1939

The Revd Barry Palmer Finch writes: 'As a Bible Clerk, the title we were given in my day, it was good to read all about the Chapel in the College News. I'm only sorry not to be able to come to the lecture in Chapel on 25 April'.

1943

Dr Michael Myhill, now retired from his post as a Senior Medical Officer (Mental Health) with Surrey Area Health Authority, is a life member of the Royal Overseas League and the Thomas Hardy Society, and a member of Cranleigh Art and Craft Society.

1946

Roderick Cavaliero began his career in Malta, where while he was teaching (1952-8) he wrote a novel about the island in the eighteenth century, *Olympia and the Angel* (London, 1958). He joined the British Council in 1958 and served successively in New Delhi, Rio de Janeiro, London, and Rome. In 1977 he joined the top management team as Assistant, later Deputy, Director General of the British Council in London. He retired in 1988 and has since been trustee and chairman of the Management Committee of the British School at Rome, trustee and administrator of the Charles Wallace India Trust, and trustee and honorary treasurer of the Keats-Shelley Memorial Association, which owns the house in Rome where John Keats died. His main tasks during this period were overseeing the finances of the Keats-Shelley Memorial Association, making some £60,000–£80,000 worth of awards annually to Indians under the terms of the Charles Wallace bequest, obtaining a new royal charter for the British School at Rome and re-organizing it as a model for the other British Academy Schools and Institutes abroad. He has been retired from all these activities since 1998.

1950

Peter Harkness writes: 'Although now retired from being actively involved in our business for twenty years (!), I continue to write articles and give the occasional lecture, and help out my nephews Robert and Philip Harkness with queries from time to time. This year is the 130th since the foundation of the Harkness nursery in 1879, and locally we mounted an exhibition showing some of the historic material which illustrates our activities during that time; and the Heritage Museum in Letchworth Garden City also mounted a Harkness exhibit. A few years ago I sorted through the firm's surviving records and deposited them in this museum, which is privately run by the Letchworth Garden City Heritage Foundation, the charity that owns the LGC estate. I thought this would be a safer home for them than the local authority museums in Hitchin and Letchworth, and am glad I did so, because those museums are facing an uncertain future. Items keep turning up even now; a 1907 catalogue, complete apart from the cover, was sent to me out of the blue a

couple of months ago. Among the trivia are the wage entries in 1954 for one Mr E.J. Hughes, known as Ted, who worked for us when a student at Cambridge, and used to recite poems. We paid him in cash, not sherry.'

1951

Philip Bagley, having retired from his post as Senior Lecturer in Law at Manchester Polytechnic, is a Saddleworth Parish Councillor, Vice-Chairman, Oldham Probus Club, and a member of Saddleworth History Society and of Ashton-under-Lyne Walking Club.

1953

Alan Murton retired from employment as personnel controller at Dexion Ltd in 1989 and moved to his native Cornwall in 1994. He completed the Open College of the Arts' creative writing course in 1993, and is currently Chairman of the Truro Creative Writers Group; his work has been published locally and in subscriber magazines, and he has been a prize winner in national and local competitions. He is still playing poor golf and occasional bridge.

Gerald Oliver, having retired early after a stroke, is now writing an account of his life in the antiques trade. He is Vice-President of the Pembrokeshire Historic Buildings Trust and of the Haverfordwest Civic Society.

1954

Norman Boyd Hunt writes: 'I live a modest life in a place where I feel at home. I have involved myself in the active life of the commune. I am curator of the local museum, Le Musée des Gabariers, which celebrates the life of those who have lived and worked on and along the River Dordogne. Visitors welcome!'

James Catty is General Editor and author of three chapters for *IFRS Fair Value Guide. The IACUA International Valuation Handbook*, to be published by John Wiley & Sons, autumn 2009; there are more than forty contributors, from fourteen countries.

Barry Coles has retired from teaching; during a term as a Schoolmaster Fellow at Merton College (HT 1974) he did research on the digestion physiology of boa constrictors in the Zoology Department.

1955

David Blomfield has retired from work as a freelance book editor, and in 2006 was awarded a PhD in history from Kingston University with a thesis on 'Tradesmen of the Thames: success and failure among the watermen and lightermen families of the Upper Tidal Thames 1750-1901'.

1957

The Revd Prebendary Christopher Tull has published *In Pastures Green* (2007; ISBN 9780955701900) and *Greener Grows the Grass* (2008; ISBN 978-0-9557019-17).

1959

David Ambrose writes 'My wife and I moved permanently to Ladybrand, South Africa in September 2008, having together spent a total of 85 years in Lesotho at the Roma Campus of the National University of Lesotho. My wife, Sumitra Talukdar, has an Oxford DPhil in Botany (St Hilda's), but we met in Lesotho. Ladybrand is closer to Lesotho's capital, Maseru, than Roma was, so our links with Lesotho are still many. In particular, House 9 Publications has moved with us and we have some 60 titles including the Quarterly Summary of Events in Lesotho.'

Anthony Eady notes that the Oxford and Cambridge Club, which has 4,000 members, including a good number from Hertford, currently has five trustees, all from Oxford; two of them, he and **Jeffrey Preston**, a former Chairman of the Club, entered Hertford together.

David Young is Chairman of the Plant Variety and Seeds Tribunal.

1960

Professor Nick M'Cave has been awarded the Lyall Medal of the Geological Society for 2009.

1961

The Revd John Staples is now retired, but happily helping in local churches.

1962

Remington Norman is a member of the Académie Internationale du Vin; besides *Rhone Renaissance* (London, 1995) the third edition of his book *The Great Domains of Burgundy: a guide to the finest wine producers of the Côte d'Or* is to be published in 2010.

1966

Robert Morrow writes: 'I have recently been appointed Deputy Bailiff of the Grand Bailiwick for England and Wales of the Military and Hospitaller Order of St Lazarus of Jerusalem. This, plus increasing involvement in my livery company (Worshipful Company of Masons), and continuing involvement in freemasonry, keeps me pretty much occupied'.

1967

Robin Selby is a Company Secretary; his eight-year-old son has a place at St Paul's and the family is moving to London.

1968

Peter Hollis is a consultant child and adolescent psychiatrist with Oxleas NHS Trust. He is a Fellow of the Royal College of Psychiatrists, a member of the Institute for Family Therapy and of the Institute of Group Analysis. He has published papers on systemic work in adolescent deliberate self-harm and on rehabilitation in Munchausen-by-proxy syndrome.

1969

Roderick Brown retired from Allen & Overy at the end of April 2008 after 35 years with the firm, of which 27 were as a partner.

Professor Eric Pawson was awarded the Distinguished New Zealand Geographer medal in 2007 and a National Tertiary Teaching award in 2009.

1970

Paul Manduca writes: 'Having left Deutsche Asset Management as European CEO in 2005 I have pursued a "plural" career and am now Chairman of Aon UK, Senior Independent Director of Wm Morrison Supermarkets plc, Chairman of Henderson Diversified Inc Trust plc and a director of JPMF Euro Fledgeling Inv Trust plc. I am also a director of Kazmunaigaz plc in Kazakhstan and Chairman of the MAJID AL Fortlain Trust in Dubai'.

1971

Malcolm Firth, having retired from the University of Salford, is now working part-time as a psychosexual therapist in the Manchester Mental Health and Social Care Trust, based at Manchester Royal Infirmary.

Michael Gover is a Founder member, Word of Life Church, Congleton and Friends of the Blackden Trust; since 2001 he has been a sponsor of Matrix Dance Troupe.

Christopher Wright is special adviser on regulated industries at Slaughter and May, advising clients in the energy, water, communications and transport sectors on M&A transactions and regulatory issues. He is active in a number of public fora including the IEA and CPRI. He is married to Carol and has four children. His main interest is classic motor sport.

1973

Marc Angers has recently published 'Psychoanalysis, Politics and "The Repressed Feminine": towards a psychoanalytically informed sociology of knowledge' in *Issues in Psychoanalytic Psychology* 30.2 (2008).

William Chapman writes: 'I took early retirement from the civil service in early 2008, where my last post was Secretary for Appointments to the Prime Minister. I then joined the Tony Blair Faith Foundation as director of policy. I was awarded a CVO by the Queen in the Birthday Honours 2008'.

1976

Professor Christopher Corrigan reports nearly 100 original peer reviewed publications. He is a non-executive director, East Kent Hospitals University NHS Foundation Trust, and secretary of the Joint Royal Colleges of Physicians Training Board Specialist Advisory Committee in Allergy and Immunology.

Benny Ross writes: 'After too many years as a manager in various local authorities, I left the employment of Northumberland County Council in September 2009 to retrain as a primary school teacher.'

1977

Martin Underwood is currently an academic visitor in the Department of Physics. Having pursued a career in oil and gas, he took early retirement and has been researching the life and achievements of Joseph Rotblat, resulting in a recently published book, *Joseph Rotblat: a man of conscience in the nuclear age* (Sussex Academic Press). Rotblat showed that the atomic bomb was feasible, walked out of the Manhattan Project, was accused of being a spy, and went on to win the Nobel Peace Prize; Martin worked under him at St Bartholomew's Medical College 1976/7.

1978

David Elvin was appointed a Deputy High Court Judge in May 2008 and a member of the Boundary Commission for England from 12 January 2009.

1979

Sophie Misiewicz (Houssemayne du Boulay) was married in 1992, and had a son in 1994 and a daughter in 1996. She became a director of her husband's engineering company in 1994. With the downturn of the Zimbabwe economy she started teaching in 2002, and is currently teaching Cambridge IGCSE and AS and A2 level English literature, Cambridge IGCSE English Language and Cambridge AS and A2 Level Thinking Skills; she became Head of Thinking Skills in 2005 and 'Line Mistress ' (head of year) for Upper Six in 2007. She has 'learnt to be adaptable with fluctuating food, power and water supplies!'.
1980

Charles Doyle was appointed Chief Marketing and Communications Officer of the global real estate company Jones Lang La Salle in 1997. His *Dictionary of Marketing* will be published in 2010.

1981

Michael Davison is completing the SAID Business School's new Diploma in Advanced Strategy (DipAS) as part of the first cohort, having been instrumental in the negotiation between IBM and the University that called the course into being.

Professor Ceri Sullivan was appointed to a Chair in English at Bangor University this year.

1983

Andrew Bell reports that he is now FRSC, CChem, FInstP, CPhys.

Paul Meader is a Fellow of the Securities Institute and Chairman of the Guernsey International Business Association. He is married, with two children, Sophie (13) and Lucy (10); the latter 'shows worrying signs that geography is in the genes'.

Lesley Tyler (Butcher) has been appointed as Director of Studies at Benenden School from September 2009.

1984

Christine Siegmund (Piotrowsky) was awarded the degree of Master of Education in Mathematics in Education, with Merit, 19 November 2007, from the University of Exeter.

1985

Catherine Head has a daughter, Rose Catherine Pasteur, born 8 October 2007.

1986

Professor John Considine's *Dictionaries in Early Modern Europe* was published by Cambridge University Press last year; a facsimile of the *Ladies Dictionary* of 1694, co-edited with Sylvia Brown, is in the hands of the publisher (Ashgate).

1987

Simon Mugglestone's son Fin was born on 11 February 2008.

1990

Andrew Cole was elected to the Board of Directors of Virgin Media in 2008; he also serves on their compensation committee. His third daughter was born in November 2008. After 14 years in the USA he moves back to the UK in September 2009, and will live in London, having been promoted to 'CEO of Europe' for Asurion Corporation.

1991

David Atkinson writes: 'I am now Assistant Headteacher at Dr Challoner's Grammar School in Amersham, in charge of the 400-strong Sixth Form. We have supplied a steady stream of recent Hertford undergraduates and will, hopefully, continue to do so!'

1993

Raoul Craemer specialises in health, arts, and cultural economics consultancy, while pursuing a professional career in the performing arts; since a period (2002-3) at drama school (Artsed London) on a UK dance and drama award he has appeared in several theatre productions and many short films, and has written scripts. He emigrated to Australia in 2003 and has two daughters, Leila (born 22 March 2002 in Oxford) and Tara (born 24 November 2005 in Canberra).

Sarah Harris (Hart) is a freelance journalist and lives in Kingston, Surrey, with her husband, Mike, and daughter Elizabeth Daisy, who was born in December 2004 and baptised in Hertford Chapel in June 2005.

1995

Annalise Price-Thomas (Sweetland) spent 2003-5 working in Northern Afghanistan (Mazar-i-Sharif) as project co-ordinator for a NGO (ASET – Afghan Support Education and Training), assisting in setting up the NGO and ensuring ASET was running effective development projects. In November 2007 she married Peter Price-Thomas at Christ Church, Winchester.

1996

Sarah Crane (Grylls) gave birth to her first child, Kit Samuel, in November 2008; she lives in Dalston, London, with her husband, actor Sam Crane, and three cats. In 2008 she won four awards for her film 'Peter and Ben', a documentary funded by the UK film council.

1997

Matthew D'Aubyn writes: 'Having seen out the last days of the Jaguar with the Royal Air Force I have converted to the Eurofighter Typhoon based at Coninesby in Lincolnshire'.

1998

Erik Brand after gaining a medical doctorate from the University of Washington began residency training in physical medicine and rehabilitation at the Johns Hopkins University, and completed surgical internship in Arizona. His publications cover topics in neuromuscular sports medicine and rehabilitation, pain management, nutrition in the endurance athlete, and ethics.

Mary Stevens was awarded a PhD in February 2008, and is currently working at UCL as a post-doc researcher.

1999

Ruth Tarrant (Southworth) is an associate lecturer in economics and politics with the Open University and has two children, Isaac (born 29 September 2007) and Edward (born 15 February 2009).

2001

James Fisher recently became a qualified actuary (FIA – Fellow of the Institute of Actuaries).

2002

Kohei Marumo was awarded a PhD from Queensland University of Technology, Australia, in 2007.

Richard Taunt married Caroline Morecroft on 25 July 2009.

2004

Andrew Voysey completed Forum for the Future's Professional Master's course, 'Leadership for Sustainable Development', in 2007/8 and was awarded the Richard Sandbrook prize for the individual most likely to lead change in the future.

2005

Tom Hammond-Davies is embarking on a Master of Music (MMus) course at the Birmingham Conservatoire to study conducting (2009-2011) and developing the profile of the Blenheim Singers (the chamber choir founded at Blenheim Palace; www.blenheimsingers.com). He has continued to help out the organ scholar.

Obituaries

We record with regret the following deaths, listed in order of the date of matriculation. * after a name indicates that an appreciation follows; we are most grateful to friends and relatives who have supplied this material.

1929

Anthony Robert Evans, 10 March 2009, aged 98.

1936

Lionel Maxwell Munby, 19 April 2009, aged 90.

1937

Sir John Nicholas Henderson, 16 March 2009, aged 89.*

Alexander John Strahan, 3 March 2008, aged 89.

1938

Frederick Ewart Leese, 1 February 2008, aged 87.

Nigel Livingston Macassey, 10 May 2009, aged 88.

Joseph Beaumont Richardson, 28 May 2008, aged 88.

1939

Eric Albert Alexander, 26 January 2008, aged 91.

1941

Wilfred James Alfred Mann, OBE, 25 December 2008, aged 86.

Roger Teale, 1 April 2009, aged 84

Cyril Arthur Watney, MC, 23 January 2009, aged 86.

1942

Philip Arthur Henry Brown, 9 June 2009, aged 85.

John Graham Walker, 17 November 2008, aged 85.

1943

James Roxborough, 24 August 2009.

1944

Daniel Byford, 1 January 2008, aged 81.

1945

William Richard Frederick Vale, 28 July 2008, aged 81.

1946

John M. Coates, 27 October 2007.*

John Christopher Sampson, 5 January 2009, aged 87.

Revd. Richard Mark Sweet-Escott, 5 February 2008, aged 79.

1948

Brian Geoffrey Cannon, 2 February 2009, aged 83.

1950

Richard Edmund Groves, 12 March 2009, aged 81.

Brian Dale Sullivan, 17 August 2008, aged 77.

1951

Malcolm Douglas McKee, 9 May 2009, aged 78.

Jeremy Richard Webb, 6 May 2009, aged 78.

1956

Anthony Harvey, 1 January 2008.

1961

Michael John Waller, 8 January 2008, aged 65.*

1967

Trevor Kenneth Halvorsen, 4 June 2009, aged 61.

1984

David Charles Simpson, August 2009, aged 47.*

1987

Amanda Helen Willmott (Benson), 1 November 2008, aged 39.

SIR NICHOLAS HENDERSON

1 April 1919 – 16 March 2009

Sir Nicholas Henderson spent 40 years as a confidential adviser to the British Government. His diplomatic career took him to Athens, Santiago, Vienna and, as ambassador, to Poland, Germany, France and the US where he was instrumental in securing Washington's support for Britain in the Falklands conflict. After his retirement he advised a wide range of private employers including Sotheby's, Eurotunnel and the BBC.

No one less resembled the éminence grise of diplomatic service stereotype. In many of the things he did Henderson attracted attention and provoked controversy. Friends pointed to the sustained brilliance of his insights. Enemies hinted at flamboyance shading into the meretricious. Most agreed that "Nicko" was a buccaneer.

John Nicholas Henderson was educated at Stowe School and Hertford College, Oxford. He started his diplomatic career in 1942, at the age of 23, in the Minister of State's office in wartime Cairo. By the end of the war he had moved to the Foreign Secretary's private office in London, serving Anthony Eden, who went on to be a Conservative Prime Minister, and Ernest Bevin, the post war Labour Foreign Secretary. Henderson then had a series of overseas posts, in Washington, Athens, Vienna and Santiago, refining his sensitivity to what foreigners wanted and what they would stand. It was a skill that throughout his career balanced his almost preternatural instincts about ministers, Westminster and Whitehall.

By 1959 Henderson was back in the Foreign Office where, in particular, he became expert in Soviet relations. Then, at 44, he returned to the private office as Principal Private Secretary. The private office, close to power, knowing everyone, in an arena for influence and ingenuity, was perhaps where Henderson was most at home, and years later he

anatomised it in an elegant memoir. He stayed there until he was transferred to the No 2 post in the embassy in Madrid in 1965.

In 1951 Henderson had married Mary, a Greek resistance heroine who was a journalist by background and socially active by disposition – qualities that closely matched Henderson's own. In Madrid Henderson's intellectual and social curiosity, his gift for friendship with the interesting and the ambitious, as well as his energy and gregariousness, were displayed on a larger stage than had been available in earlier postings. They were seen to even better advantage when, at 50, he was appointed Ambassador to Warsaw.

It would not have been easy for any British ambassador to shine in the sombre Poland of the late 1960s and early 1970s. Gomulka's 1956 glory had long since faded – he lost office in 1970, to be succeeded by the initially cautious Edward Gierek. There was more excitement in monitoring Poland's Western links, but in Henderson's time in Warsaw it was German diplomatic issues that stole the limelight. The Warsaw Treaty occupied minds, with events such as that when Willy Brandt, the German leader, knelt at the Warsaw Ghetto attracting most attention.

Henderson served for three years in Warsaw before becoming Ambassador to the Federal Republic of Germany in 1972-75. His move to Bonn was a promotion to one of the Diplomatic Service's half-dozen most-coveted prizes, and to the city that more than perhaps any other held the key to the success or failure of Britain's European and East-West policies.

There were those who thought Henderson an opportunist but there was a commitment on substance too. At a bad time for Britain's relations with the continental community, he fretted about whether he was really getting German views across in London. A strange comparison haunted him: with his own namesake and predecessor as Ambassador to Germany, Sir Neville Henderson, who in the years before the Second World War so signally failed to avert catastrophe. Oddly enough, they had similar handwriting as well as a surname in common.

He went from Bonn to Paris as Ambassador from 1975 to 1979 and then to Washington. His valedictory dispatch from Paris won notoriety that some observers considered unfortunate, although others thought it astute. In it, as he approached the Diplomatic Service's mandatory retirement age, he set out his concerns about Britain's economic and social performance and about the failure, as he saw it, to position Britain in Europe in a way that would bring influence to bear on the development of

the European Union. It was a heartfelt essay that concluded that Britain had become "poor and unproud" and set an example "not to follow".

It leaked. *The Economist* printed it, and a storm blew up. Many observers assumed that Henderson had at the least consented to the impropriety, with critics suggesting it was typical of the man. But whether because of the storm or despite it, Margaret Thatcher decided as she came to power that Henderson was the man she needed in Washington. So, scarcely missing a beat, the Hendersons translated themselves from the Faubourg St Honoré not into quiet retirement but to Massachusetts Avenue. He spent three brilliant years in Washington, culminating in bravura performances during the Falklands War in front of politicians and opinion formers on Capitol Hill and in the glare of television cameras.

Writing later, Henderson showed that US support for Britain could not have been taken for granted. "Several people with ready access to the President [Ronald Reagan] did not want the US to commit itself to the British side. Reagan dismissed the Falklands as 'that little ice-cold bunch of land' and insisted soon after the Argentinian invasion that the US was friends equally with Buenos Aires and London. Fortunately for Britain, Caspar Weinberger, the US Secretary of Defence, resolutely supported the British from the start and ensured that essential equipment and intelligence were provided."

Elsewhere Henderson recollected: "Many leading political and military figures in the US were hostile to, and were sceptical of, our decision to retake the islands." Modestly playing down his own role, he said it was "thanks to Weinberger's intervention and the close contacts between the navies of the two countries, an avalanche of supplies started to pour into the American base on Ascension Island, which we had been authorised to use. In addition to aviation fuel, missiles, weapons and ammunition of all kinds, crucial US help was furnished over intelligence and communications."

For ten years, Henderson had presided over Britain's three most important bilateral diplomatic missions, explaining British interests to his hosts and, in turn, outlining German, French and US concerns to policymakers and advisers in Westminster and Whitehall.

Henderson knew everyone, and everyone wanted to know him. His instinct for power and his nose for inwardness would have challenged Talleyrand's. Acting with the best of intentions, he had a way of taking a well-drafted telegram, mangling it into intellectual disorder and producing something quirkier, perhaps less cogent, almost certainly less lucid, but in a shape now to catch the eye of those who mattered in

Whitehall. His effective professionalism commanded widespread admiration and for all his occasional petulance, he had a charm and sparkle about him that, most colleagues agreed, made it rewarding, and fun, to work alongside him.

He put his own idiosyncratic mark on Britain's diplomatic style, and overcame some weaknesses to achieve notable success. He was not a good linguist; his French and German were no more than workmanlike. Many among his staff adored him, but there was some unease in his offices in Bonn and Paris. And while most visitors were enthralled by the Henderson charm, others were less impressed.

Henderson achieved much, sometimes engineering a stylish triumph out of unpromising substance. He was never one to succumb to Establishment attitudes and, conscious that the risk of becoming stuffy would increase with age, he took deliberate, some would say contrived, steps to combat the danger. No man ever spent more on shirts with collars that did not fit and ties that overflowed.

Dalmatian dogs became a feature of Henderson homes, as did his wife's eye for interior decoration and ability to persuade hard-faced men from the Ministry of Works to find the money to pay for her renewal projects. She applied the same concern for quality and detail to entertainment, and wherever in the world they went, the Hendersons gave memorable parties.

Retirement, after such a career, might have been sadly anticlimactic, but Henderson went on to enjoy himself and to make his presence felt. His innate ability, experience and a gift for friendship brought him a succession of company directorships, perhaps most substantially, if briefly, as chairman of the Channel Tunnel Group, a forerunner to Eurotunnel. He was also a director of the Foreign & Colonial Investment Trust from 1982 to 1988 and M&G Reinsurance from 1982 to 1990. He held similar posts at Hambros and Tarmac from 1983 to 1989.

He added to his earlier books on ministerial offices and on Prince Eugen of Savoy with a well-received volume of diaries, *Mandarin: The Diaries of Nicholas Henderson*. He also published a memoir entitled *Old Friends and Modern Instances*, and another book called *The Private Office Revisited*. He wrote stories and articles for the *Penguin New Writing* series and contributed to *Country Life*, *The Economist* and *History Today*. Henderson was appointed CMG in 1965, KCMG in 1972 and GCMG in 1977. He was appointed KCVO in 1991. He was made an honorary Fellow of Hertford College in 1975 and was a trustee of the National Gallery from 1985 to 1989.

Henderson's wife died in 2004. A daughter, Alexandra, survives him.

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At the Memorial Event organised at Sotheby's on 2 June the College was represented by Paul Dryden and the Hertford Society (of which Sir Nicholas was President from 1983 to 1980) by Anthony Eady and Graham Jones.

JOHN M. COATES

3 April 1924– 27 October 2007

After working for the British Colonial Service in Nyasaland (Malawi) John Coates taught for 30 years (1962-92) at Peterhouse School, Marondera, Zimbabwe, where he was head of the classics department, ran swimming (having been a swimming blue at Oxford), was a Housemaster, and edited the magazine for 20 years. Having initially retired to Borradaile Trust in Marondera and made a good recovery after a triple heart bypass operation in South Africa, he died peacefully in England of an inoperable brain tumour.

MICHAEL JOHN WALLER

10 August 1942 - 8 January 2008

Michael Waller went into teaching, and after retirement continued to teach the piano. He had an interest in classic cars and memorabilia, with an unrivalled collection of classical records. He died in New Cross Hospital, Wolverhampton, after a short illness.

DAVID CHARLES SIMPSON

21 January 1962 - August 2009

After doing a DPhil in English Literature (and serving as MCR President in 1987) David became a head teacher and then HMI at OfSTED.

HERTFORD SOCIETY OFFICIALS 2008

President

General Sir Roger Wheeler GCB, CBE (1961)

Past Presidents

Sir Nicholas Henderson GCMG KCVO

Sir John Whitehead GCMG CVO

The Rt Hon the Lord Waddington GCVO PC QC DL

Vice-Presidents

D. H. Conran TD

J. R. Torrance

R. Westbrook CMG

J.W.Preston CB

A. J. Eady

Chairman

His Honour Judge C. A. H. Gibson (1959)

Secretary

G. F. Jones (1964)

Treasurer

R. J. Seymour (1985)

Membership Secretary

Cicely J. Brown (1985)

Hon. Auditor

S. Tomlinson (1994)

Committee Members

Professor J. Billowes.....	1976
A. J.Eady.....	1959
Angela Fane.....	1978
S. J. M. Kinsey.....	1974
Victoria MacGregor (Garner).....	1994
J. W. Preston, CB.....	1959
Haidee Schofield.....	1977
R. T. Smith.....	1978
A. V. Swing (Chairman, Social Sub-Committee).....	1965
T. E. Wipperman.....	2002
Dr. J. M. Landers.....	Principal

Letter from the Chairman of the Hertford Society

The highlight of the last year has been the reception and buffet dinner at the House of Lords on a beautiful evening on 26 June. Unfortunately, Lord Waddington was unable to remain our sponsor because of another commitment, but we were greatly blessed by the willingness of Lady Warnock to replace him. She arrived at the Cholmondley Room full of good humour, in spite of having recently escaped from a nearby office into which she had somehow been locked; and she presided over the evening with characteristic charm. One of the delights of sitting next to her at table was to see the warmth of affection between her and those former pupils and others who knew her well and who came to talk to her. She clearly remembered each one, and in her speech of welcome her enthusiasm for the College was clear to see. Our grateful thanks are due to her for a memorable evening, which started with drinks at a location unsurpassed in the capital, the Terrace overlooking the Thames. I also thank Anthony Swing for all his hard work over many months to ensure that the evening was the success that it undoubtedly was. Those present ranged in age from the very senior (Jack Onions, who came up in 1941, my year of birth, but who belied his age) to a number of recent graduates. The only sadness was that a substantial number of members missed out because there was a strict limit of 120 on the numbers which the House could accommodate. Their names have been recorded, and we shall ensure that they have priority for any oversubscribed event in the future.

The AGM of the Society was held at the Oxford and Cambridge Club the next day, and a delightful feature of the morning was the opportunity to meet a number of members, including some from overseas, who stayed on for an agreeable lunch.

Our funds were sufficient to enable us again to make a significant contribution to the costs of Freshers' Week, and, while each year's gifts must depend on a variety of factors, I hope that this excellent institution, to which today's students devote much time and enthusiasm, will be frequently supported by the Society. In last year's letter I expressed the hope that a gift to the Boat Club Society, in honour of our founder Chairman Bill Atkinson, would soon come to fruition. This was a vain hope: a major and understandable problem has been that of security for the trophy which is planned. But this appears to have been surmounted, and I shall be disappointed if a conclusion is not reached in the next few months. In the meantime we continue to support the iconic Simpkin, who is living proof of the proposition that no College is complete without its cat.

Once again, it was a great pleasure to have as our guests at the Committee dinner in February the current Presidents of the MCR and JCR, Toby Murray and William Hartshorn. It is always a pleasure on these occasions to welcome former members of the Committee, and this time we had Roger Westbrook (of whom more anon) and Robin Arthur with us.

Our Membership Secretary Cicely Brown has kept us informed by means of her excellent illustrated weblog of her time in Nigeria with VSO. She is much missed by the Committee, but the compensation is that, thanks to her personality, good sense and experience, she is obviously doing a great job in a place where her help is certainly needed.

One of our distinguished former Presidents, Sir Nicholas Henderson, who was in office when I first joined the Committee some twenty years ago, died at a good old age in March. Like all the Presidents whom I have known he presided with urbanity and charm over our proceedings. The Society was well represented at a memorial gathering held at Sotheby's.

Another loss to the college during the year has been Professor Neil Tanner, who as well as giving many years of distinguished work to the College and to many generations of students was a good friend of the Society. The Society was represented at the packed memorial service which was held in the College Chapel in its centenary year.

As I noted in last year's letter our President, General Sir Roger Wheeler, was then entering the last of six years allowed by our constitution. At the AGM in June this year he presided for the last time, and I was able to express our gratitude for all the support and benign leadership which he gave throughout his term. I do hope that we shall continue to see him regularly on future occasions.

He is succeeded by another in our distinguished series of diplomatic Presidents. My old friend Roger Westbrook crowned a most successful career with the prized post of Ambassador to Portugal. My wife and I were fortunate enough to enjoy his hospitality on many occasions at the Residence in Lisbon, and we were able on a number of occasions to see the high regard in which he was held, both among the Portuguese and by the many visitors from the United Kingdom whom he entertained so well. The Society's Committee, too, enjoyed his hospitality: he entertained us royally one September weekend in 1996. It is not surprising that soon thereafter he was elected a Vice-President of the Society, and that now he succeeds Roger Wheeler as President. It is only by reason of what appears to be a decision to place a severe limit on honours for those in the Foreign Service that he comes to the Presidency without the knighthood which in the opinion of many he richly deserved. However, I can say that

he is a large enough personality to fill the presidential boots without any such assistance.

As always, I express my thanks to my colleagues on the Committee, to all those who support our functions and to the College, which continues to support the Society and which I know appreciates the support which we are able to give to it.

Charles Gibson

**For the records:
the Hertford Society's Presidents and Vice-Presidents**

The Society's Secretary, Graham Jones, has produced the following list of the Presidents and Vice-Presidents of the Hertford Society from its foundation in 1962. Since Bishop Stopford, Presidents have had a fixed term of office. Vice-Presidents are elected for life, and thus the concluding date of their period of office is the date of death, except in the case of those Vice-Presidents who subsequently became Presidents. Some further items of information are attached, in rather a haphazard way, to some names; * indicates that further details may be found in the *Oxford Dictionary of National Biography*.

PRESIDENTS

The Rt Revd and Rt Hon. Dr Robert Stopford, KCVO, PC (Lord Bishop of London 1961-1973) 1962-1976 (died in office August 1976)*
Sir John Brown CBE (Publisher, Oxford University Press; Chairman of Blackwell's) 1977-1983 (died in 2003)
Sir Nicholas Henderson GCMG, KCVO (Ambassador to USA) 1983-1989 (died March 2009: see pp. 87 ff.)
Lord Ponsonby of Shulbrede 1989-1990 (died in office June 1990)
Sir John Whitehead GCMG, CVO (Ambassador to Japan) 1991-1997
Lord Waddington GCVO, PC (Home Secretary 1979-80; Governor of Bermuda) 1997-2003
General Sir Roger Wheeler GCB, CBE (former Chief of the General Staff) 2003-

VICE-PRESIDENTS

Professor Bernard Ashmole CBE 1962-1988*
Sir Harry Batterbee GCMG, KCVO 1962-1976

Dr T.S.R.Boase MC 1962-1974*
Chief Judge Emory H.Niles (of Maryland, USA) 1962-1976
The Rt Hon. Roland Michener CC, CMM, CD (Governor-General of
 Canada 1967-1974) 1962-1991
Sir Christopher Steel GCMG, CVO (Ambassador to Federal Republic of
 Germany) 1962-1973
The Rt Hon. Sir Robert Tredgold KCMG, PC (Chief Justice of Southern
 Rhodesia) 1962-77*
Sir Stanley Morrie-Miller Bt, MC 1963-1973
Sir Harry Vaisey 1964-5
Dr W.L.Ferrar (Fellow 1925-1959; Principal 1959-1964) 1964-1990
Felix M.H. Markham (Fellow 1931-1974; Acting Principal 1971-2) 1974-
 1990
William S.Atkinson (Founding Chairman of the Hertford Society) 1974-
 2004
Anthony S.Ashton (Finance Director, Esso Petroleum) 1977-2005
Hedley W. Donovan (Editor-in-Chief *Time Life*) 1977-1991
Sir Hugh Springer GCVO, GCMG (Governor-General of Barbados)
 1977-1994
Sir Nicholas Henderson GCMG, KCVO (elected President 1983) 1978-
 1983
Professor James Meade CB (Fellow 1930-1937) 1978-1995*
Sir Geoffrey Warnock (Principal 1972-1988; Vice-Chancellor 1981-1985)
 1988-1995*
Group Captain Robert W. Jackson CBE (former Chairman of the
 Hertford Society) 1988-2002
Lord Waddington (elected President 1997) 1991-7
Derek H. Conran TD (former Chairman of the Hertford Society) 1997-
John R. Torrance (Fellow 1964 - 1996; Vice-Principal 1995-6) 1997-
Sir Geoffrey Ellerton CMG, MBE (Chairman, Local Government
 Boundary Commission) 1997-2005
Roger Westbrook CMG (Ambassador to Portugal) 1997-
His Honour Brian Galpin (Circuit Judge) 2004-2006
Jeffrey W. Preston CB (former Chairman of the Hertford Society) 2004-
Anthony J. Eady (former Chairman of the Hertford Society) 2004-