



# The Year 2014

St Catherine's College · Oxford

# Master and Fellows 2014

## MASTER

**Professor Roger W Ainsworth**, MA, DPhil, FRAeS

## FELLOWS

**Richard J Parish**, MA, DPhil (BA Newc)  
*Tutor in French*  
*Philip Spencer Fellow*  
*Professor of French*  
*(Leave H15)*

**Fram E Dinshaw**, MA, DPhil  
*Official Fellow*  
*Finance Bursar*

**Peter D Battle**, MA, DPhil  
*Tutor in Inorganic Chemistry*  
*Professor of Chemistry*

**A Gervase Rosser**, MA (MA, PhD Lond)  
*Tutor in History of Art*  
*Associate Professor in History of Art*  
*Librarian*

**John S Foord**, MA (MA, PhD Camb)  
*Tutor in Physical Chemistry*  
*Professor of Chemistry*  
*(Leave M14)*

**Robert A Leese**, MA status (PhD Durh)  
*Fellow by Special Election in Mathematics*  
*Director of the Smith Institute*

**Louise L Fawcett**, MA status, MPhil, DPhil (BA Lond)  
*Tutor in Politics*  
*Wilfrid Knapp Fellow*  
*Associate Professor in Politics*  
*Vice-Master*  
*(Leave H15)*

**Susan C Cooper**, MA (BA Colby Maine, PhD California)  
*Professor of Experimental Physics*

**John Charles Smith**, MA  
*Tutor in French Linguistics*  
*President of the Senior Common Room*

**Penny A Handford**, MA (BSc, PhD S'ton)  
*Tutor in Biochemistry*  
*Wolfson Fellow*  
*Professor of Biochemistry*

**Timothy Cook**, MA, DPhil  
*Fellow by Special Election*

**Richard I Todd**, MA status, DPhil (MA Camb)  
*Tutor in Material Sciences*  
*Goldsmiths' Fellow*  
*Professor of Materials*

**Marc Lackenby**, MA (PhD Camb)  
*Tutor in Pure Mathematics*  
*Leathersellers' Fellow*  
*Professor of Mathematics*  
*(Leave M14 & T15)*

**Marc E Mulholland**, MA (BA, MA, PhD Belf)  
*Tutor in History*  
*Wolfson Fellow*

**Gavin Lowe**, MA, MSc, DPhil  
*Tutor in Computer Science*  
*Professor of Computer Science*

**Richard M Berry**, MA, DPhil  
*Tutor in Physics*  
*Associate Professor in Condensed Matter Physics*

**Ashok I Handa**, MA status (MB BS Lond), FRCS  
*Fellow by Special Election in Medicine*  
*Associate Professor in Surgery*  
*Tutor for Graduates*

**James L Bennett**, MA (BA Reading)  
*Fellow by Special Election*  
*Home Bursar*

**David J Womersley**, MA (PhD Camb), FBA  
*Warton Professor of English Literature*

**Cressida E Chappell**, MA (BA, MA Hull)  
*Fellow by Special Election*  
*Academic Registrar*  
*Secretary to the Governing Body*

**David R H Gillespie**, MA, DPhil  
*Tutor in Engineering Science*  
*Rolls-Royce Fellow*  
*Associate Professor in Engineering Science*

**Peter P Edwards**, MA (BSc, PhD Salf), FR5  
*Professor of Inorganic Chemistry*

**Patrick S Grant**, MA, DPhil (BEng Nott) FREng  
*Vesuvius Professor of Materials*

**Justine N Pila**, MA (BA, LLB, PhD Melb)  
*Tutor in Law*  
*College Counsel*

**Bart B van Es** (BA, MPhil, PhD Camb)  
*Tutor in English*  
*Senior Tutor*  
*(Leave M14)*

**Tommaso Pizzari**, MA (BSc Aberd, PhD Shef)  
*Tutor in Zoology*

**Byron W Byrne**, MA, DPhil (BCom, BEng Western Australia)  
*Tutor in Engineering Science*  
*Tutor for Admissions*

**W I F (Bill) David**, MA, DPhil  
*Fellow by Special Election in Physics*

**Richard M Bailey**, MA (BSc Leics, MSc, PhD Lond)  
*Tutor in Geography*  
*Associate Professor in Geochronology*  
*Dean*

**Gaia Scerif** (BSc St And, PhD Lond)  
*Associate Professor in Experimental Psychology*  
*Tutor in Psychology*  
*(Leave M14-T15)*

**Karl Sternberg**, MA  
*Fellow by Special Election*

**Christoph Reisinger**, MA (Dipl Linz, Dr phil Heidelberg)  
*Tutor in Mathematics*  
*Associate Professor in Mathematical Finance*

**Robert E Mabro**, CBE, MA (BEng Alexandria, MSc Lond)  
*Fellow by Special Election*

**Kirsten E Shepherd-Barr**, MA, DPhil (Grunnfag Oslo, BA Yale)  
*Tutor in English*

**Angela B Brueggemann**, DPhil (BSc St Olaf, MSc Iowa)  
*Fellow by Special Election in Biological Sciences*  
*Wellcome Trust Career Development Fellow*

**James E Thomson**, MChem, DPhil  
*Fellow by Special Election in Chemistry*

**Andrew J Bunker**, MA, DPhil  
*Tutor in Physics*  
*Reader in Astrophysics*  
*(Leave M14-T15)*

**Adrian L Smith**, MA (BSc Keele, MSc Wales, PhD Nott)  
*Tutor in Zoology*  
*Associate Professor in Infectious Diseases*

**Andreas Muench**, MA (Dr phil, Dipl TU Munich)  
*Tutor in Mathematics*  
*Associate Professor in Applied Mathematics*

**Kerry M M Walker**, DPhil (BSc Memorial, MSc Dalhousie)  
*Fellow by Special Election in Biomedical Sciences*

**Udo CT Oppermann** (BSc, MSc, PhD Philipps Marburg)  
*Professor of Musculoskeletal Sciences*

**Alain Goriely**, MA (Lic en Sci Phys, PhD Brussels)  
*Professor of Mathematical Modelling*

**Naomi Freud**, MA, MSc  
*Fellow by Special Election*  
*Director of Studies for Visiting Students*

**Geneviève A D M HELLERINGER** (Maîtrise ESSEC, JD Columbia, Maîtrise Sciences Po, Maîtrise, Doctorat Paris-I Panthéon-Sorbonne, Maîtrise Paris-II Panthéon-Assas)  
*Fellow by Special Election in Law*  
*Leverhulme Trust Early Career Fellow*

**Duncan A Robertson**, MA, DPhil (BSc Lond)  
*Fellow by Special Election in Management*

**Peter T Ireland**, MA, DPhil  
*Donald Schultz Professor of Turbomachinery*

**Pekka Hämäläinen**, MA (MA, PhD Helsinki)  
*Rhodes Professor of American History*

**Benjamin A F Bollig**, MA (BA Nott, MA, PhD Lond)  
*Tutor in Spanish*

**Eleanor P J Stride**, MA (BEng, PhD Lond)  
*Fellow by Special Election in Engineering Science*  
*Associate Professor in Biomedical Engineering*

**Paul S Davies** (MA Camb)  
*Tutor in Law*  
*Associate Professor in Law*

**Saira Uppal** (BA Durh)  
*Fellow by Special Election*  
*Director of Development*

**K W M (Bill) Fulford**, MA, DPhil (MB BChir Camb, PhD Lond), FRCPsych, FRCP  
*Fellow by Special Election*



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Left: The Bell Tower, St Catherine's College  
 Front Cover Image: Gus Jones (2012, Biological  
 Sciences) competing in the 2013 Varsity Rugby Match  
 © Ashley Western/Camera Sport

# Master's Report

The last year has been a very good one for College, in all respects. In terms of our primary purpose – the stimulation, development, and cajoling of our students – the collective efforts on the academic front have produced very encouraging results. Bart van Es, in his role as Senior Tutor, has catalysed a number of new initiatives to bring greater focus and purpose to the academic endeavours of both students and tutors.

Regular workshops for Fellows have enabled the sharing of experience in facing common challenges across subjects, and methods employed for their resolution. And in addition to their normal induction, our Freshers also benefited from a programme focused on academic matters: study skills, time management, and exposure to the ground-breaking research undertaken by two colleagues, to inspire them for the future.

We are immensely proud of the forty-four Firsts in Finals that our students have achieved this year, a third of the cohort. Many individuals deserve mention here, but alas, space dictates that it is not possible to do justice to them all. Rest assured their glory is well reflected, literally in bold, on the new noticeboards in the refurbished JCR corridor, again part of our plans to



*The Master, Professor Roger Ainsworth*

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place higher academic achievements under the noses of those in need of further encouragement and stimulation.

I will draw to your attention those who have achieved academically at the highest level: **Jonathan Mannouch (2010, Chemistry)** was ranked first across the University in Chemistry Part II finals, and in each of his three other years. **Frederica Onslow (2011, Materials Science)** took the Gibbs Prize for best overall performance in Part I Materials Science. Both Jonathan and Freddie have drained the College coffers of prize money during their careers here, and given me repetitive strain injury for the number of times we have shaken paws.

Other performances of note were: **Morio Hamada (2013, Biomedical Sciences)**, top in Biomedical Science Prelims, **Oscar Chang (2013, Computer Science & Philosophy)**, Gibbs Prize in Computing Science



and Philosophy Prelims, **Audrey Shi (2013, English Language & Literature)**, top in English prelims, and **Maria O'Hana (2012, History of Art)**, first overall in History of Art Prelims.

This year of great achievement has not been confined to our students. Indeed, our alumni have played a very full part in keeping the Catz flag flying high. I have annoyed many other Heads of House around the University by repeatedly saying 'We've won an Oscar'. To be more precise, **Tim Webber (1984, Physics)** won an Oscar and a Bafta for his Visual Effects work on the film *Gravity*. The film won seven Oscars and six Baftas in total, and was widely praised for its visual effects, which were created in London by Tim and his talented team at the British visual effects company Framestore. We had the pleasure of a lecture from him earlier in the year to hear of the many challenges faced in his work - and some of the gossip from behind the scenes, of course.

Achievements by our alumni in other fields have included those of **Kate Rundell (2005, English)**, All Souls Prize Fellow, who won the 2014 Waterstones Children's Book Prize with her children's novel *Rooftoppers*, inspired by night-time trespassing on the rooftops of All Souls College. **Mark Miodownik (1988, Metallurgy)**, built on his earlier success as a Royal Institution Christmas Lecturer, with a BBC series *Everyday Miracles*, part of which was filmed in College, providing an insight into the clever design techniques that contribute to the invention and production of everyday objects often taken for granted. **Andrew Triggs Hodge (2004, Geography)**,

Olympic Athlete of the Year 2013, continued to add to his collection of precious metal, winning a gold medal in the final of the World Rowing Championship in Amsterdam in the GB Men's Coxless Four.

Our current students have also contributed to sporting activities at the highest level, in addition to their academic programmes. **Gus Jones (2012, Biological Sciences)** has played rugby as part of the England U20 team, travelling out to Auckland for the 2014 IRB Junior World Championship, a competition amongst twelve nations. His team won the World Cup, beating South Africa in the final. In the aftermath, the experts put together their ideal team of fifteen, using players from all twelve nations, and Gus was chosen as the foremost openside flanker in the competition, in other words the leading player for his age in the world at number 7.

Equally impressive are the achievements of **Sophia Saller (2011, Mathematics)**, who became the U23 Women's Triathlon World Champion, after competing in Edmonton in August. This was in addition to a silver medal at the European Triathlon Championships in Kitzbühel, and taking the German Elite and U23 title at the German Triathlon Championships in Hanover. She is the first Vincent's Club scholar. To be world champion whilst still under the tutorial cosh is a great testament to these individuals, to the flexibility of tutors, and to the Catz spirit in every respect.

We are proud also of the many achievements of our Fellows. The impact of Bart van Es's book *Shakespeare In Company* (OUP, 2013), which is already in its third

*To be world champion whilst still under the tutorial cosh is a great testament to these individuals, to the flexibility of tutors, and to the Catz spirit in every respect.*

*We are delighted that, after many years away from College, Nigel Hitchin and Graeme Segal have been awarded Honorary Fellowships. This is in recognition of their outstanding achievements in the fields of Pure Mathematics.*

impression, continues to reverberate around the globe: a review in *The Times Literary Supplement*; media coverage on BBC Radio 4 News, the BBC website, and national and international broadsheets; and many prestigious invitations to speak. The hardest challenge for him is to know how he will ever cap this.

Philip Torr, Fellow in Engineering Science, has been working on a research project that won a Google Impact Challenge Award. He has received funding of £0.5 million, which will be used to develop prototype smart glasses to help those with very limited sight, using computer vision and augmented reality. The information in images captured by 3D cameras is used to separate out nearby shapes and objects, and highlight them clearly on the inside of small transparent displays within the glasses, allowing people to use their own vision as much as possible. Philip works in conjunction with the Royal National Institute of Blind People and the Nuffield Department of Clinical Neurosciences.

Eleanor Stride's work on nanoparticles and medical diagnostic imaging continues apace, as she becomes a leader of the new research centre OXCD<sup>3</sup>, Oxford Centre for Drug Delivery Devices, with a £10 million programme grant. Gervase Rosser, Fellow in History of Art, has been awarded the 2014 Art and Christian Enquiry Mercers' Book Award for his book, co-written with Jane Garnett, *Spectacular Miracles: Transforming Images in Italy from the Renaissance to the Present*. The award was for 'an outstanding contribution to the dialogue between religious faith and the visual arts'. We were delighted

too to see recognition of the work of Professor Peter Edwards, Fellow in Inorganic Chemistry, through his election to the American Academy of Arts and Sciences.

We welcome Kia Nobre to our ranks as Professorial Fellow in Translational Cognitive Neuroscience. Kia comes to us from New College, where she ran a happy ship as Tutorial Fellow in Experimental Psychology. We are very pleased with how rapidly our aspirations for building research synergies in interlinking areas has progressed, and now the Oxford Centre for Human Brain Activity can link with Fellows' work in the areas of Experimental Psychology, Psychiatry, Linguistics, Biomedical Engineering – perhaps also with Philip Torr's work in computer vision and image processing, and in Philosophy of Mind, where Salvador Mascarenhas becomes an addition to Phillip Koralus's team, joining us this year from New York University.

We are delighted that, after many years away from College, Nigel Hitchin and Graeme Segal have been awarded Honorary Fellowships. This is in recognition of their outstanding achievements in the fields of Pure Mathematics. They have received many honours for their work, and both have been awarded the Sylvester Medal of the Royal Society. Nigel is seen as one of the world's most eminent differential geometers, while a striking feature of Graeme's work has been to unify the seemingly distinct fields of string theory and algebraic topology.

With the passage of time, it is inevitable that we will lose some of our number, and during the year three of our Fellows died, all of a good age. Honorary Fellow



**John Cornforth (1939, Chemistry)**, was an outstanding Chemist and research pioneer. During the Second World War, he was part of the Oxford laboratory which pioneered penicillin, and we are immensely proud that he was the first Catz alumnus to be awarded a Nobel Prize (for Chemistry in 1975). Honorary Fellow **Alan Katritzky (1949, Chemistry)** is fondly remembered by his generation as both a stimulating and demanding tutor, and widely honoured internationally throughout his research career as an Organic Chemist. And Honorary Fellow Richard Attenborough was exceedingly generous with his time whilst he was Cameron Mackintosh Visiting Professor in 1996. For the undergraduates, the high spot of his tenure was a month's secondment for budding directors, on location in India, whilst he was making his film *Gandhi*.

Two of our community move to Emeritus Fellowships this year. Gordon Gancz, College doctor for nearly forty years, has served alongside six Masters. We, and generations of students, are deeply grateful for the care and common sense he has despatched along the way. Gordon is currently volunteering in Sierra Leone, diagnosing and treating those who have contracted the Ebola virus. Peter Franklin, who arrived in April 1996 as our first Fellow in Music, has as his areas of research interest Gustav Mahler and the post-romantic symphony, early twentieth-century Austrian and German opera (particularly Franz Schreker) and Hollywood film music (including the role of European emigré composers like Korngold and Steiner). In terms of our students, he has been able to promulgate the vision of a musical environment and community, which

appeals greatly to talented sixth formers. He has also catalysed them, during their time here, to produce excellent academic results, whilst ensuring they had every encouragement to be practical musicians too. He is succeeded by Laura Tunbridge, who comes to us from the post of Senior Lecturer in Music at Manchester.

Inevitably renewal means departure as well as arrival. The Master loses his Executive Assistant, Megan Parry, to retirement, after nearly ten years' exemplary service. We are very sorry also to lose George Southcombe and Matthew Parrot, who both move to permanent positions. Matthew has been working in the Philosophy of Mind team, and moves to King's College London. George became an integral part of the History team alongside Marc Mulholland, bringing much experience of the ancient craft of undergraduate moulding from the other colleges where he had served, and moves to Wadham College.

As my years holding the office of Master progress, I become more and more aware of the dependence of the College on the many support structures, often invisible, which are in place to ensure we fulfil our objectives. Being the largest College in Oxford by some margin, it is vital that these function smoothly, and in tune with our mission. I am very grateful for the huge efforts that all our staff make in the name of St Catherine's. I can, and do, say that I am proud of where we have come from and what we have here. Your continued engagement and support is vital to that, and I look forward to another successful year ahead. ■

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# The Cameron Mackintosh Visiting Professorship

In 2014, the College welcomed Stephen Fry as the 23rd Cameron Mackintosh Visiting Professor of Contemporary Theatre.

Established by Honorary Fellow Sir Cameron Mackintosh, and funded through a grant from the Mackintosh Foundation, the Visiting Professorship aims to promote interest in, and the study and practice of, contemporary theatre.

Speaking on his appointment to the Cameron Mackintosh Visiting Professorship, Stephen said, 'I hope I can inspire and engage with students who are enthusiastic and passionate about the performing arts. Dance and music will feature little in my time here I am sorry to say, but I hope to help students devise comic and dramatic pieces, talk through rehearsal, writer-performing techniques and procedures, and give what benefit I might have to offer from over a quarter of a century of larking about on stage and screen. Above all, I hope we'll all have fun – it's not by accident that dramatic pieces are actually called plays, and that in Shakespeare's day actors were players'.

On 20 February 2014, Stephen Fry delivered his Inaugural Lecture at St Catherine's as the 23rd Cameron Mackintosh Visiting Professor. Entitled *Put on Your Red Shoes: Performance and Destiny*, Stephen's lecture was delivered to an audience in the Bernard Sunley Lecture Theatre, whilst also being streamed live to viewers worldwide.

Drawing on his own experience, Stephen spoke frankly about his acting roles as a student at Cambridge University, the benefits of writing your own material when starting out, and the importance of team work in the arts. He also talked about the works and artists that have inspired him, giving a special mention to *The Red Shoes*, the classic British feature film about a ballet dancer which was written, directed, and produced by the team of Michael Powell and Emeric Pressburger. Stephen's career has ranged over stage, film, radio, and television, and he has also



© Guy Bell

Stephen Fry, 2014 Cameron Mackintosh Visiting Professor of Contemporary Theatre

published several books. As a true polymath, Stephen represents a change from Professors in recent years, whose interests have tended to concentrate in a particular area of the theatre, such as directing or producing. This was reflected in the content of his workshop, which he delivered on Thursday 30 November at St Catherine's. The current Oxford University Drama Officer, Ellie Keel, attended the workshop and shares her experience with us:

"Thirteen students gathered at Catz for the workshop. The group was counted by Stephen as he arrived: he hastily added himself to our number to dispel any notion of superstition! Proceedings commenced with a spontaneous and thorough discussion of the significance



of acting, and the qualities which distinguish this skill from other professions: namely, what makes it difficult! Stephen instigated a number of brief activities to illustrate the challenges of acting. One was a tricky counting game, typically used in theatrical warm-ups, designed to underline the importance of the ability to multi-task and to remain focused under the immense pressure of live performance.

Another activity was more philosophical: each of us was asked to write down 'ten things which you are not.' Thus, an ambitious person feels compelled to write, *I have no plans for the future*; a lover of food writes, *I rarely have a large appetite*; a shy person writes, *I am highly confident*. Stephen Fry himself commented, *I am proud of my lithe and supple physique*, among other untrue declarations. The point of this, he explained, was to understand that acting, and pursuing it as a career, is about recognising and accepting one's own weaknesses in order to achieve better self-knowledge.

On a lighter note, he asked the group to write a list of the accents we could imitate, from worst to best, and then for each participant to read out a sentence in his or her worst accent. The rest of the group was asked to guess what the accent was supposed to be.



© Guy Bell

Stephen Fry delivers his Inaugural Cameron Mackintosh Lecture in the Bernard Sunley Lecture Theatre

After a delicious lunch, we reconvened for further group discussion, this time on the recent history of British theatre and the reasons for which it is unparalleled globally. It was at this point that Stephen Fry's encyclopaedic knowledge and phenomenal memory were most apparent, not to mention his extensive personal experience and participation in the theatre, film, television, and other media over the past forty years. His general sagacity allowed us to ask him about anything and everything, and we very much appreciated his hospitable demeanour towards our questions. He acknowledged that things have changed between the early stages of his career and ours, best illustrated by his chuckling remark that, 'in my day, we moved idly from Cambridge into Chelsea flats, and

that was that', but he stressed the enduring importance of self-belief and creativity.

To this end, we spent the final hour of the workshop devising a hypothetical piece of site-specific theatre for Oxford which, rather like Stephen's own career, comprised all kinds of media: live drama, film, radio, and the written word. As imagination and ideas flowed, it became clear to us all that we, and theatre, can be whatever we want to be – if only we are bold enough to make it." ■

*Stephen's Inaugural Lecture is available as a podcast for all to enjoy via both iTunes and the University's podcasts page at: <http://podcasts.ox.ac.uk/stephen-fry-put-your-red-shoes-performance-and-destiny>.*

# The Development Office:

## The year in review

*The 2013-2014 academic year was successful on all levels, and we are delighted to share the many achievements we had with you ... The College received over £2 million in gifts and pledges ... We welcomed more than 1,000 people to over thirty events ... and we have been working to expand our digital communications.*

**The Development Office plays a number of important roles at St Catz. We fundraise to preserve the very high quality of education at the College, we keep our 10,000 Alumni, Parents and Friends connected, and we inform the general public about all of the pioneering work that is done in our community. The 2013-2014 academic year was successful on all levels, and we are delighted to share the many achievements we had with you.**

### Supporting our Students

As in previous years, we have been impressed by the generosity of our donors. The College received over £2 million in gifts and pledges, including nearly £90,000 in Legacy Pledges. What's more, over 1,300 Alumni, Parents and Friends made donations to the College.

The generosity of our donors is very important, helping us to provide an outstanding educational experience. We have continued to expand the financial support we offer our students, ensuring that

talented young people from a wide range of backgrounds can study here. In the last academic year, we helped one in five of our undergraduates and one in ten of our postgraduates.

Donations have assisted us in appointing new Teaching Fellows in five subjects: Economics, Medicine, Philosophy, Law and Geography. The formation of new teaching posts, and the filling of vacated ones, is essential in helping us to maintain our team of over 100 tutors and lecturers. This enables us to provide a high level of one-on-one tuition for our students.

Thanks also to the munificence of the Jacobsen Foundation, we have installed double-glazed windows on the ground floor of the College, which will significantly boost energy efficiency. In addition, we have made important developments in our provision for disabled students by setting up new access systems in the JCR, Library and several staircases. This will greatly aid our disabled students' mobility.



## Strengthening the Catz Community

Our events help to foster lifelong connections between old friends, provide a forum for networking, and enable Alumni, Parents and Friends to stay in close contact with St Catz. Last year, we welcomed more than 1,000 people to over thirty events. While many of these were held in College or the UK, we also had popular gatherings in New York and Hong Kong, which were kindly hosted by alumni **Anne Bevis Detwiler (1988)** and **Wilfred Wong (1976)** respectively.

We were particularly delighted to celebrate the 40th anniversary of women joining the College at a lively panel discussion titled, 'Enterprising Women'. Three Catz alumnae shared their career paths and reflected on the role of gender in their lives. We are grateful to **Harriet Sergeant (1974, English)**, **Jane Platt (1975, Modern Languages)** and **Alex Polizzi (1990, English)** for speaking at this event and helping to make it a tremendous success.

We were also very pleased to welcome Stephen Fry as this year's Cameron Mackintosh Professor. We were honoured that such a distinguished figure joined our academic community, and our students have greatly benefited from the opportunity to engage with him during his tenure. His powerful Inaugural Lecture, *Put on*

*Your Red Shoes: Performance and Destiny*, captured the imaginations of many, and a podcast of it can still be viewed at: <http://podcasts.ox.ac.uk/stephen-fry-put-your-red-shoes-performance-and-destiny>

The Gaudy is always a highlight of our events calendar, and last year, it provided a wonderful opportunity for our 1962 – 1972 Matriculands to reminisce with old friends. Our annual London Party was held last June at the picturesque Stationers' Company, and a record 200 Alumni, Parents and Friends joined us for a most memorable evening.

We also hosted our second Family Day in College, at which we welcomed alumni and their children for a fun-filled afternoon, featuring a science show by **Sarah Bearchell (1991, Biological Sciences)** and story-telling by children's author **Frank Hinks (1968, Law)**.

## Telling the Catz Story

For several decades, our Alumni, Parents and Friends have relied on *CatzEye* and *The Year* to stay up to date with all of the latest developments at our College. These publications paint a vivid picture of the myriad activities of our community, and we do hope that you enjoy reading them.

In order to reach a wider audience, and share College news on a more frequent basis, we have been working to expand our digital communications. At the beginning of the 2013-2014 academic year, we were pleased to roll out a new design for our website ([www.stcatz.ox.ac.uk](http://www.stcatz.ox.ac.uk)), which has made information more readily accessible and displayed it in a style that stays true to our modernist tradition.

Our Facebook page ([facebook.com/stcatz](http://facebook.com/stcatz)) enables us to instantly share news and photographs with a world-wide audience – the page now has over 3,200 'likes', and we would like to take this opportunity to thank everyone who is engaging with us on this platform. Our Twitter feed (@St.Catz) has been active too, and we are fortunate to have a loyal group of over 1,000 followers. Our LinkedIn community ([www.linkedin.com](http://www.linkedin.com) - search: 'St Catherine's College, Oxford') has also been growing, providing our Alumni, Parents and Friends with a useful networking platform.

We look forward to sharing our news with you next year, and we hope to continue expanding our online presence – so, if you haven't already, please do 'like' us on Facebook, 'follow' us on Twitter, and 'connect' with us on LinkedIn! ■



Peter Franklin

**Professor Peter Franklin joined St Catherine's College as the first Tutorial Fellow in Music in 1996. His career at Catz has spanned almost twenty years and nearly seventy students, and in October 2014 he became an Emeritus Fellow of the College. Over the years, Music has become one of the College's great strengths, due in no small part to Peter's dedication and enthusiasm.**

Although St Catherine's has a long tradition of musical activity, there was no Fellow in Music at the College until Peter took up the post in 1996, coming from the University of Leeds.

## Peter Franklin Emeritus Fellow

In his first term, Peter recalls taking on the supervision of one first-year student and two finalists, and remembers fondly the support that he received from Mike Leask, the then Fellow in Physics, who was a great enthusiast of music in the College (his Kawai piano now graces the Music House).

Peter successfully expanded Music as a serious subject of study at St Catherine's, and the College now has one of the larger Music contingents across the collegiate University, with an intake of four students per year. Although St Catherine's has no chapel, it does have its own purpose-built Music House, designed by the College's original architect Arne Jacobsen. The hexagonal building was designed with acoustics in mind, and provides a wonderful setting for both practice and small concerts.

As one might expect of one of the larger collegiate student bodies, the music scene at Catz is an exceptionally vibrant one. The College has its own Music Society, made up of both Music students and those studying other subjects, which hosts a termly series of performances and master classes: the Summer Showcase is a particular highlight. The College has also established a Répétiteur

Scholarship, which offers aspiring pianists the chance to work with the New Chamber Opera, a semi-professional opera company directed by Professor Michael Burden of New College.

When asked what his proudest achievements have been whilst at Catz, Peter recalls two in particular: the first, to have secured the College's agreement to provide an electronic keyboard in the rooms of all Music students. The Music House is a unique asset as a practice and recital space, but Music students need more regular access to a keyboard for compositional and score-access purposes. His second cherished achievement was to have established the reputation of Catz as a serious Music college, with a slight hint of the alternative – Peter has supervised study on a wide range of topics from Wagner and Mahler, to film and computer and video-game music.

Peter's research interests include Gustav Mahler and the post-romantic symphony, early twentieth-century Austrian and German opera (particularly Franz Schreker), and Hollywood film music (taking in the role of European emigré composers such as Korngold and Steiner in the 1930s and '40s). In 2010 he was the visiting Bloch Professor of Music at

© David Tolley



the University of California, Berkeley; his Bloch Lectures have since been published under the title *Reclaiming Late-Romantic Music: Singing Devils and Distant Sounds* (UCP, 2014). Peter has also broadcast for BBC Radio 3 in music-related programmes and interval talks, and presented 'Composer of the Week'.

Peter is still in touch with many of his former students, who are flourishing in a wide range of careers. Indeed, Catz Music alumni can be found throughout the Music industry: **Stuart Earl (1999, Music)** is a freelance composer who attracts film and TV scoring commissions; **Jamie Chambers (2003, Music)** is a filmmaker, musician, and teacher based in Scotland; **Jonathon Swinard (2008, Music)** is currently *Solo Korrepetitor mit Dirigierverpflichtung* (Répétiteur with conducting duties) at the *Staatstheater* in Nuremberg. Jonathon's contemporary, **Mark Simpson (2008, Music)**, is well established as a world-class clarinet-player and composer.

When asked what he will miss the most about his role as Tutorial Fellow, Peter simply says, 'the students.' Whilst he is happy to be taking a step back from his teaching responsibilities, he is very grateful to be able to retain his connection with Catz through his Emeritus Fellowship. Peter is succeeded by Oxford Music graduate Professor Laura Tunbridge. ■

## Stuart Earl (1999, Music) Former Music Student of Peter Franklin

**I recently met with a group of fellow Catz Music alumni and I mentioned that Peter had just retired from his role as Tutorial Fellow. The immediate, and unanimous, consensus was that not only had he been an inspirational and invaluable tutor to us all, but also what an absolutely lovely man he was!**

Almost everyone seemed to have a story about the dreaded interview and application process. In contrast to making the whole thing as uncomfortable as possible, (which seemed to be the primary objective of several of the tutors from other colleges), it had been almost as if the roles were reversed and Peter was in fact selling the College to us, with an individual guided tour accompanied by a detailed pitch of its highlights and strengths.

Perhaps another testament to Peter's wonderful nature was the elegance with which he handled our mini acts of (albeit very polite) rebellious youth. Our outlandish and, in retrospect rather regrettable, fashion choices were all taken in his stride. Peter



*Stuart Earl (1999, Music) receiving an award from Sean Connery at the Edinburgh International Film Festival*

also managed to contain even the slightest hint of a raised eyebrow when, on one occasion, we arrived to a morning College tutorial brandishing plates of breakfast complete with mugs of tea and coffee.

We all certainly look back at our time at Catz with Peter with great fondness and we wish him the very best for the future. ■

# From the Archives: St Catherine's & the First World War

**As individuals and institutions across the country commemorate the beginning of the First World War, St Catherine's Assistant Librarian and College Archivist Renée Prud'Homme has delved into the College archives to remember the wartime experiences of our own members when we were known as the Delegacy for Non-Collegiate Students.**

Oxford was dramatically affected by the onset of war, and the Delegacy and its members were no exception. The Examination Schools, where the Delegacy had its administrative offices, library, and common room, were requisitioned for use as a hospital. The Delegacy fortunately found a home in the East India Building, the library was housed in All Souls College, and the School of Rural Economy granted the Delegacy use of rooms for lectures and a common room. This dispersal of the Delegacy's spaces was matched by the dispersal of its students.

War broke out during the Long Vacation, and large numbers of current and previous students joined up immediately. The *Non-Collegiate Students' Magazine* from October 1914 lists



*Members of the Delegacy for Non-Collegiate Students, the precursor to St Catherine's, in Trinity Term 1914*

many members already serving in the armed forces, and not just those of the British. H M Kusik, a celebrated Estonian rower, left to serve in the Russian Army. In total, 351 Non-Collegiate members served in the armed forces during the war.<sup>1</sup>

1. JM Winter, 'Oxford and the First World War', *The History of the University of Oxford Volume VII*, ed. Brian Harrison p. 20

Unsurprisingly, as the war progressed, notices of those joining up gave way to notices of deaths. Inevitably, those who died were well known to the editors of the *Magazine* – many would have been recent graduates or matriculands – and this is reflected in their epitaphs, which often praise their academic work and camaraderie alongside their merits as a soldier. Some are almost overwhelming in



*War broke out during the Long Vacation, and large numbers of current and previous students joined up immediately...*

their tragedy, such as the notice of the death of Donald Jones Macdonald, aged nineteen, a 'promising' forestry student. The *Magazine* extends extra sympathy to his mother, as she was a widow and Donald was her only son.

Despite the evident grief of those left behind, there are moments of lightness as well. In October 1917 we hear that D S Wright, who 'has had a marvellous escape, four bombs bursting within thirty yards of him, but was untouched except for two pieces of shrapnel which went through his overcoat', is helping run a theatre a few miles from the Bulgarian lines to keep spirits up.

Perhaps the most uplifting story to emerge is that of E A C MacMillan, who was in Germany when war broke out and was imprisoned for the duration. He managed to complete his Exercise for Doctor of Music whilst imprisoned, and was permitted to send it to England for marking. In 1918, whilst still



*Members of the Delegacy for Non-Collegiate Students in Trinity Term 1920*

imprisoned, the University granted him the Doctorate by decree.

The variety of wartime experience is felt through the *Magazine*. Non-Collegiate men served across all branches of the armed forces – as officers and enlisted men, in the Royal Engineers, in the Signalling Corps, as medics, as chaplains, and in Intelligence. Many served in other ways, working in munitions factories or the forestry service. And of course there were those who, usually due to health, were unable to serve, and so remained at Oxford.

There is little evidence of the vibrant social scene which the pre-war Delegacy enjoyed – most clubs and societies were disbanded, and there is only the occasional bulletin from the Debating Society. The *Magazine* was increasingly given over to war news, but

there are some glimpses of the altered lives of those who remained. In April 1916 and January 1917, the *Magazine's* editorial makes an appeal for those who are able to pitch in on the potato plots and allotments in Oxford. Safety was not always to be found at home either. In April 1917, the *Magazine* records the death of Mr Andrea Angel, a tutor to the Delegates, in a bombing in London.

In total, forty-seven members of the Delegacy lost their lives serving in the war. A memorial bearing their names hangs in St Cross Church. Those who returned seemed to view the world differently. In January 1919 the *Magazine* wrote, 'The social, perhaps the constitutional, system is in the crucible. Truly 1919 bids fair to mark an epoch.' The Delegacy itself seemed poised for change. In Michaelmas 1919, the *Magazine* renamed itself *St Catherine's Magazine*, an assertion of the Delegacy's identity that would eventually result in the renaming of the society itself as the St Catherine's Society. 'We are in an age of progress,' states the editorial, 'and must ourselves progress'.

To learn more about the wartime experiences of one of our Non-Collegiate alumni, pick up a copy of *Full of Hope and Fear: The Great War Letters of an Oxford Family* (OUP, 2014) ed. by Margaret Bonfiglioli and James Munson. ■

# 40 Years of Co-residence at Catz: 1974 – 2014

**This year we are proudly celebrating the 40th anniversary of co-residence at St Catherine's. Catz was among the first of the men's colleges to become mixed, first admitting women in Michaelmas 1974 along with Brasenose, Hertford, Jesus, and Wadham.**

In the forward-thinking style synonymous with Catz, the College's Governing Body sought The Queen's approval and, on 20 December 1972, the College Statutes were amended – the College now existed to provide for men *and women* a College wherein they may work for degrees. The then master, Alan Bullock, said in his circular to alumni advising them of the College vote in favour of co-residence that, 'the Governing Body decided that admitting women would result in gain compared to loss to the College community.'

In 1974, 35 women arrived at Catz as part of that year's incoming student cohort, approximately one-third of the total admitted. In 2014, we welcomed 150 women to Catz, across both our undergraduate and graduate communities, just less than half of the total admitted.

Four decades later, we speak to alumna Dr **Penelope Gouk (1974, Modern History)**, who was one of the first women to come to Catz. Penelope is an honorary research fellow in History at the University of Manchester, where her research interests include early modern European intellectual and material culture.

### *How did you find Catz during its early years as a co-residential College?*

We encountered some domestic problems arising from the transition from a single-sex environment to a mixed community, the first one being that when the women arrived there were no curtains in the showers, nor were there any full length mirrors to be found anywhere. Apparently men didn't mind seeing each other naked, and similarly had previously no use for long mirrors, but it is noteworthy that as soon as the girls complained about this lack the guys successfully demanded curtains and mirrors too!

The Catz staircases weren't mixed in 1974. The girls were in staircases 1 and 2, and as far as I remember our rooms were assigned in alphabetical order. This seemed a reasonably fair way of allocating the rooms, which were of two

sizes – the most coveted of course being the large corner bedrooms with sinks in them.

Another issue was the matter of security in our two staircases; was it safe to leave us without some male protection? One incident that I remember in particular which rattled me was the night that the College rugby team decided to pay us a late-night visit, which involved roaring up the stairs and pounding on some unsuspecting girls' doors. We didn't know it was 'our boys' playing this prank at first, and it was quite scary so I stayed in my room with the door locked and hoped they would go away, which they did eventually.

### *Was it a close female community at Catz during the first few co-residential years?*

Although I didn't reflect on it much at the time, I think there was a fragile but overarching sense of community among the female Catz undergraduates, even though (speaking for myself) we spent much of our free time thinking about our relationships with men. That is, thinking about how to interact with individuals or groups of the opposite sex on a daily basis, not necessarily in a romantic or sexual way – for



example in the context of the College bar, or the JCR debating society, or other social settings where the preponderance of males necessarily forced one to realise that women really were a minority group at Catz, and of course at Oxford more generally.

I wouldn't call myself a radical feminist, but I was certainly politicised by my experience of College life and sought to make some changes to it, however small these might have been. The most visible evidence for this is my promotion of the College Anti-Sexist Group which met a few times at least, although unfortunately I don't now remember where and when these meetings were.

## A Pen Portrait

**As we celebrate 40 years of co-residence at Catz, we print an extract from our commemorative book, *St Catherine's, Oxford: A Pen Portrait*, remembering the first intake of women in 1974.**

**Harriet Sergeant (1974, English), one of the first female undergraduates at College, remembers.**

In the autumn of 1974 five young men and I lay nervously on a double bed. We were all freshers

***Do you think the imbalance of women detracted from your student experience at all?***

I have to say that, since neither of my parents went to university, I had no preconceived ideas about what the 'student experience' might consist of. That being said, I guess I saw going to Oxford as a wonderful opportunity to meet like-minded people, to learn new things, and to develop my thinking; looking back I can see that all those expectations were really met and so cannot say conclusively that being in a minority detracted from my experience.

However, again with hindsight and plenty of research done on this aspect of higher

and this was our first night at St Catherine's College and our first evening with our Tutor, Michael Gearin-Tosh, described by one former pupil as resembling a vulture with ingrowing toe nails. Oxford dons were notoriously cranky and indifferent to their students. We did not know what to expect. Certainly not an elaborate dinner cooked by Michael on a camping stove, offers of wine, and the arrival of John Bayley and Iris Murdoch as fellow guests.

After dinner, Michael acted out the play on Rochester and Charles II that he was writing, with such gusto that he pulled down

education, there is the unpalatable fact that on the whole women who went to single-sex colleges did much better academically than their contemporaries in newly mixed colleges. Or put another way, as a woman you stood a better chance of gaining a First if you went to a single-sex college, I think because there was a real recognition of the need to learn how to perform in tutorials and to prepare for Finals in order to compete effectively with the male undergraduates. By contrast our tutors were not used to tutoring women, and may not have had particularly high expectations of us, or else assumed that we didn't need coaching for exams as we should have already acquired these techniques at school. ■

his curtains – he was using them both as costume and to change scene. As we left, he handed me a two-foot-high red pepper pot, 'Hit any young man you think needs it,' was my Tutor's advice...

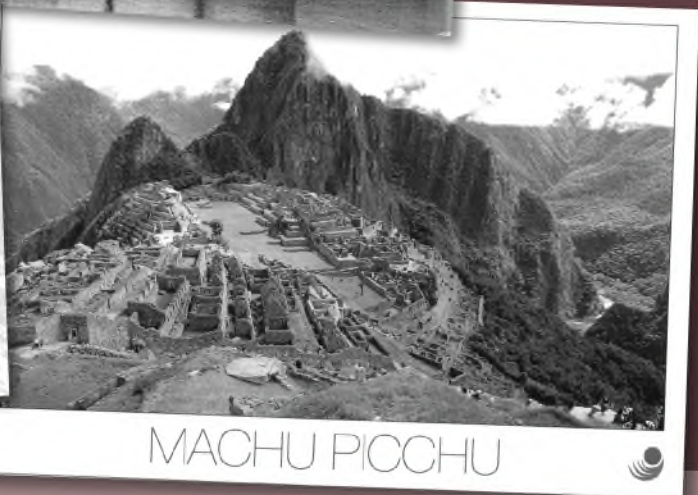
To order your copy of *St Catherine's, Oxford: A Pen Portrait*, please visit [www.stcatz.ox.ac.uk/A-Pen-Portrait](http://www.stcatz.ox.ac.uk/A-Pen-Portrait) or contact the Development Office on +44 (0) 1865 271 760, or by email on [development.office@stcatz.ox.ac.uk](mailto:development.office@stcatz.ox.ac.uk) ■



# Postcards to the Master

This year, College Travel Awards were awarded to more than 35 students who planned, organised, and undertook expeditions across the world. Many students undertook charitable work, and all found their experiences culturally and educationally enriching. Postcards landed on the Master's desk from, amongst other countries, Japan, Mongolia, Argentina, and Norway.

Here are four of the many he received...







The MASTER,  
Greetings from Inner Mongolia!  
This postcard was painted by a  
fellow volunteer on the programme  
in aid of the school at which she has  
been teaching. Some what unexpected  
ly, I am the only foreign volunteer  
in the group - this is proving to be a very  
interesting position given that none of  
the students or teachers in Inner Mon-  
golia have ever met a native English  
speaker before! After temporarily  
comprising a couple of students that  
pass time in the UK, I have taken the  
seriously and the topic of Oxford  
university has aroused much interest.  
Students, teachers and locals alike  
are being incredibly welcoming and  
the experience is proving incredibly  
insightful and I look forward to  
telling you much more as the travels  
take evening. Thank you ever  
so much for your support for  
this trip. Best wishes, Katherine Hitchcock

3 贺新禧 中国邮政 CHINA  
150 2014.07.29 20  
The Master,  
St Catherine's  
College,  
Manor Road,  
OXFORD  
UNITED KINGDOM  
OX1 3UJ

Rhino, Central Region  
GHANA

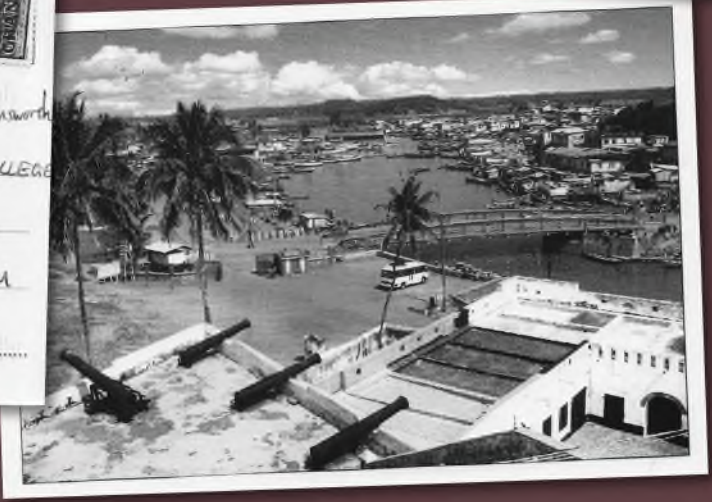
Dear Professor Ainsworth,  
Thank you very much for  
making this trip to Ghana  
possible with your award of  
the Patricia Knopp award.  
On this medical brigade we  
have created over 300 locals,  
and I have grown in my appreciation  
of the world.

Sincerely Yours,  
Michael Tai

Glennmark card 81 200700 (A)

To: Professor Roger Ainsworth  
St Catherines College  
Oxford  
United Kingdom  
(England)  
OX1 3UJ

Photo P3 JEL Annual 0-11 © CIMM



# Sports and Societies Review

**Sophie Taylor (2013, Medical Sciences), the current JCR Clubs & Societies Representative, shares some of the College's array of sporting and cultural activities of the past year.**

The sporting and cultural life of the College has continued to thrive in a year which has also seen a heady rise up the Norrington table. This year has been extraordinary both in terms of Cuppers success, and College and University representation. Twenty-five members of the College community earned full Blues in their relevant Varsity matches, with scores of other students representing the University at other levels.

Catz is not all about sport, however, and there are a number of cultural societies which contribute to the enrichment and diversity of College life. Photography, Mindfulness and Meditation, Zumba, Cycling, Squash, Cross-Country and Futsal societies were formed over the year, in addition to the already well-established clubs, meaning that students at St Catherine's have a wealth of extra-curricular opportunities.

Sport at Catz remains one of the strengths of the College. The numerous wins in Cuppers, and outstanding sense of community, is testament to the talent and dedication of our students. Most notably, the Hockey Club has achieved



*The Catz mixed Hockey team at the Cuppers Final, Trinity Term 2014*

accolade after accolade. The men's Hockey Team won Cuppers during Hilary Term in a tightly fought final against a strong Magdalen squad. Feisty team spirit led to a full-time score of 4-4, with Catz winning on penalty strokes. Men's captain and goalkeeper **Michael Fernando (2012, PPE)** is this year's President of the University Hockey Club. The women's Hockey Team reached the semi-finals of Cuppers, losing to Quilda's (Queen's and St Hilda's) who were the eventual winners. Late in Trinity Term, the men's and women's sides merged to reach the final of the mixed Cuppers competition.

Men's Football has enjoyed its most successful season in recent memory, with the 1st Team narrowly losing to a Blues-heavy Exeter side in the Cuppers final. The College

*This year has been extraordinary both in terms of Cuppers success, and College and University representation. Twenty-five members of the College community earned full Blues...*





*The Men's 1st rowing in the Summer Vills, Trinity Term 2014*

puts out three men's and one women's side on a weekly basis, with both of the 1st Teams remaining in the top University divisions.

For the third consecutive year, our Rugby Team lost out in a nail-biting Cuppers semi-final on the last play of the game after a hard-fought come-back. Special mention must go to **Gus Jones (2012, Biological Sciences)** who played a pivotal role in the England U20s winning campaign during the 2014 Junior World Championship in New Zealand. The Rugby Club also enjoyed a short tour to Romania over the Easter vacation.

The women's Cross-Country Team won Cuppers convincingly, and our Ski Team showed flair to place second, losing out on victory by less than a gate. The Darts Team reached an exceptional third in the premier league following last year's promotion, and the Pool Club were finalists in Cuppers. The women's Tennis Squad reached the semi-finals of Cuppers, before coming up against a strong Worcester side, and the Polo Team were runners-up in Cuppers.

**Carolyn Scott (2011, Molecular & Cellular Biochemistry)** was named the Most Valuable Player in this year's Varsity Ice Hockey match, having scored three goals and three assists. She received the award from Diana Carney, spouse of the head of the Bank of England and a former Oxford alumna and hockey player.

*This year also saw the inaugural sports tour to St Catharine's College, Cambridge ... and a strong relationship was formed in preparation for a return visit.*

This year also saw the inaugural sports tour to St Catharine's College, Cambridge. Rugby, Netball, and Football all claimed convincing wins over our Cambridge counterparts over the course of the weekend, and a strong relationship was formed in preparation for a return visit.

We have a gifted Music community, with the College Choir and Orchestra reaching a very high standard. **Daniel Shao (2013, Music)** was named winner of the Oxford Concerto Competition and received national credit as a Woodwind Finalist in the 2014 BBC Young Musician of the Year, performing the Nielson Flute Concerto. **Makoto Nakata (2012, Music)**, is this year's leader of the Oxford University Orchestra. The Catz Music Society organised regular Open Mic Nights in the JCR, with a highlight performance from the renowned a capella group The Oxford Alternatives, featuring Catz students **Thomas Pease (2013, Modern Languages)** and **Niamh Furey (2012, Modern Languages)**.

Weekly Fitness, Zumba, Yoga, and Mindfulness classes within College are a huge hit among the students, and contribute to the health and general wellbeing of the community.

Finally, the student body voted for the Catz Sports and Arts Personalities of the Year 2014; **Daniel Shao (2013, Music)** was awarded the Arts Personality Award in recognition of his outstanding achievements, and **Poppy Lambert (2011, Biological Sciences)** received the Sports Personality Award for her remarkable contributions to the women's Rowing Club. ■

# Finals Results 2014

## Biological Sciences

Felicity Allen - II (i)  
Joseph Davies - II (i)  
Rebecca Elliott - II (i)  
Benjamin Jeffrey - II (i)  
Poppy Lambert - II (i)  
Carla Peters - II (i)  
Hope Simpson - II (i)

## Biomedical Sciences

Georgina Colquhoun - II (i)  
Robert Hohan - II (ii)

## Chemistry (MChem)

James Foster - II (ii)  
Lucia Groizard Payeras - I  
Samuel Hall - I  
Wilfred Lewis - II (i)  
Duncan Lindsey - I  
Jonathan Mannouch - I  
Haewon Song - II (i)  
Abigail Wesson - II (i)  
Alan Wise - II (i)  
David Zimmer - I

## Computer Science (BA)

Samuel Lanning - II (i)  
Joshua Morgan - II (ii)

## Computer Science (MCompSci)

Matthew Pellegrini - I

## Economics & Management

Scott Tully - I

## Engineering Science (MEng)

Aryuthai Angpanitcharoen - II (ii)

Samuel Briggs - II (i)  
John Lavery - I  
Xiao Yao Li - II (i)  
Xiaolu Liu - II (i)  
Peter Meades - II (ii)  
Peter Morgan - II (i)

## Engineering, Economics & Management (MEng)

Joon Song Chun - I

## English Language & Literature

Thomas Bell - I  
Molly Brown - I  
Sophie Devlin - II (i)  
Otis Graham - I  
Oliver Hancock - II (i)  
Joseph Kidd - II (i)  
Matthew Reynolds - I  
George Shankar - I  
Alicia Smith - I

## Experimental Psychology

Oliver Barnes - II (i)  
Robert Blakey - I  
Tayla McCloud - II (i)

## Fine Art (BFA)

Hana-Mai Hawkins - II (i)

## Geography

Ashleigh Ainsley - II (i)  
Benedict Cohen - I  
Thien-Kim Diep - II (i)  
Zara Fraczek-Streeter - I  
Kimberley Grave - I  
Sebastian Koa - I  
Katherine Pears - II (i)  
Pablo Simko - II (i)  
Marcus Stevenson - I  
Adenais Vachon - II (i)

## History

Jack Graham - II (i)  
Emmanuella Kwenorfe - II (i)  
Michael Livesey - I  
Anirudh Mandagere - I  
Peter McKenna - II (i)  
Joseph Newall - I  
Christopher Starkey - II (i)  
Jake Whittaker - II (ii)

## History & Economics

James Hicks - II (i)

## History & Politics

Amy Trenter - II (i)

## History of Art

Laura Hill - II (i)  
Isobel Renton - II (i)  
Hannah Wills - I

## Human Sciences

Lucy Eldridge - II (i)  
Kee Jia Phang - I  
Imogen Sharkey Ochoa - I  
Elizabeth Wilkins - I  
Ross Williamson - II (i)

## Law

Hugh Brannan - II (i)  
Eleanor Gill - I  
Jake Hartley - II (i)  
Leslie Ho - I  
Catherine Hunt - II (i)

## Law with Law Studies in Europe

Yonathan Nathanson - II (i)  
Daniel Owen - I

## Materials Science (MEng)

Duncan Johnstone - I  
Ridhi Kantelal - II (ii)  
George Lane - II (i)  
Thomas Scott - I

## Materials, Economics & Management (MEng)

Neesha Jambagi - II (i)

## Mathematics (MMath)

Bodan Arsovski - I  
Matthew Owton - II (i)

## Mathematics & Computer Science (BA)

Jonathan Tuckwell - II (i)

## Mathematics & Statistics (BA)

Yunfei Ma - II (i)

## Medical Sciences

James Black - II (i)  
Corrina Horan - II (i)  
Sebastian Povlsen - II (i)  
David Rowland - I  
Morwenna Senior - I  
James Taylor - II (i)

## Modern Languages

Megan Alexander - II (i)  
Charlotte Baker - II (i)  
Thomas Daniell-Hubbard - II (i)  
Louisa Hollway - II (i)  
Katharine Jones - II (i)  
Catherine Kent - I  
Zakiy Manji - II (i)  
Charlotte Marshall - II (i)  
Henry Renninson - II (i)  
Matthew Turner - I

## Modern Languages & Linguistics

Helena Horsburgh - I  
Rebecca Worth - II (i)

## Molecular & Cellular Biochemistry (MBiochem)

Rachel Anderson - II (i)  
Ulrich Bauer - II (i)  
Tristan McTaggart - II (i)

## Music

Alice Angliss - II (i)  
Nathan Klein - I  
Chloe Scott - II (i)  
Heather Young - I

## Oriental Studies

Gabrielle Odah - II (i)

## Philosophy, Politics & Economics

Joshua Crossley - II (i)  
Juliette Ginsberg - II (i)  
Thomas Goulding - II (i)  
James Lighton - II (i)  
Fergal Stamp - I  
Dowan Suh - II (i)

## Physics (BA)

Simon Battersby - II (ii)  
Indira de Graaf - II (ii)  
Edward Nutt - II (i)  
Ruud Skipper - II (ii)  
Mark Wear - II (i)

## Physics (MPhys)

Henry Banks - I  
Anton Hinel - II (i)  
Michael Humphries - II (i)  
Mikhail Kartashov - II (i)

## Psychology & Philosophy

Ignas Rubikas - II (i)

## SCHOLARSHIPS & EXHIBITIONS

### Scholars

Hamish Arnott (*Human Sciences*) ATV Scholar  
Sabrina Barrett (*Engineering Science*) College Scholar  
Victoria Barrett (*Mathematics & Philosophy*) College Scholar  
Thomas Bell (*English Language & Literature*) College Scholar  
Christopher Casson (*Law*) David Blank Scholar  
Shan Chang (*Philosophy, Politics & Economics*) Philip Fothergill Scholar  
Yiyun Chen (*Materials Science*) ATV Scholar  
Eleanor Gill (*Law*) David Blank Scholar  
Samuel Hall (*Chemistry*) College Scholar  
John Hendrick (*Engineering Science*) Clothworkers' Scholar  
Holly Jackson (*Geography*) College Scholar  
Michael Jones (*Chemistry*) F M Brewer Scholar  
Jai Kapoor (*Economics & Management*) ATV Scholar  
Callum Kelly (*History*) Garret Scholar  
Kristian Kostadinov (*Computer Science*) ATV Scholar  
Alistair Leverett (*Biological Sciences*) Rose Scholar  
Carol Mak (*Mathematics & Computer Science*) Goldsworthy Scholar  
Alex Maxwell-Keys



(*Engineering Science*)  
 Geoffrey Griffith Scholar  
 Owen Morgan (*Engineering Science*) Goldsworthy Scholar  
 Katie Reay (*History*) College Scholar  
 Alexander Ryan (*History & Politics*) Clothworkers' Scholar  
 Sakinah Sat (*Law*) David Blank Scholar  
 Emily Scorer (*Modern Languages*) College Scholar  
 Sarah Shepherd (*Modern Languages*) Clothworkers' Scholar  
 Matthew Short (*Chemistry*) Baker Scholar  
 Poppy Simmonds (*Biological Sciences*) Rose Scholar  
 Clare Smedley (*Medical Sciences*) Sembal Scholar  
 Harriet Smith Hughes (*English Language & Literature*) Kaye Scholar  
 Matthias Steiner (*Philosophy & Modern Languages*) College Scholar  
 Calum Suggett (*Biological Sciences*) College Scholar  
 Gabriel Tiplady (*Modern Languages*) Brook Scholar  
 George Townsend (*English Language & Literature*) College Scholar  
 Abigail Wesson (*Chemistry*) College Scholar  
 Alec Young (*Law*) David Blank Scholar

#### **Exhibitors**

Lucia Almazan Sanchez (*Biomedical Sciences*)  
 College Exhibitor

Michaela Belham (*Geography*) College Exhibitor  
 Samuel Briggs (*Engineering Science*) College Exhibitor  
 Thien-Kim Diep (*Geography*) College Exhibitor  
 Christopher Edwards (*Human Sciences*) College Exhibitor  
 Catherine Lillycrop (*History*) College Exhibitor  
 Anirudh Mandagere (*History*) College Exhibitor  
 Peter Morgan (*Engineering Science*) College Exhibitor  
 Kereem Osborne Dikerdem (*Human Sciences*) College Exhibitor  
 Daniel Owen (*Law with Law Studies in Europe*) College Exhibitor  
 David Rowland (*Medical Sciences*) College Exhibitor  
 Carolyn Scott (*Molecular & Cellular Biochemistry*) College Exhibitor  
 Amy Trenter (*History & Politics*) College Exhibitor  
 Alan Wise (*Chemistry*) College Exhibitor  
 Heather Young (*Music*) College Exhibitor

#### **PRIZES AND AWARDS**

**University Prizes Undergraduates**  
**3 Verulam Buildings Prize in Commercial Law**  
 Leslie Ho (*Law*)

**Armourers & Brasiers' Company / Rolls Royce Prize for Outstanding Performance in Prelims**  
 Xiewen Liu (*Materials Science*)

**Armourers and Brasiers' Company / TATA Steel Prize for Best Overall Performance in Prelims Practicals**  
 Stephen Turrell (*Materials Science*)

**Armourers and Brasiers' Company / TATA Steel Prize for Best Team Design Project**  
 Sam Eardley (*Materials Science*)

**Best Performance in Copyright, Patents & Allied Rights Prize**  
 Leslie Ho (*Law*)

**Best Performance in Personal Property**  
 Daniel Owen (*Law with Law Studies in Europe*)

**Commended for Performance in the Psychology of Medicine**  
 Hugh Johnson (*Medical Sciences*)

**Commended for Performance in the Psychology of Medicine**  
 Clare Smedley (*Medical Sciences*)

**Edgell Sheppee Prize for Laboratory or Drawing Office Work**  
 Iona Richards (*Engineering Science*)

**Falcon Chambers Prize for Land Law**  
 Leslie Ho (*Law*)

**Gibbs Book Prize**  
 Maria O'Hana (*History of Art*)

**Gibbs Prize for Best Overall Performance in Part I**  
 Frederica Onslow (*Materials Science*)

**Gibbs Prize for Best Performance in Prelims proxime accessit**  
 Rajan Tanti (*Engineering Science*)

**Gibbs Prize for Best Team Design Project**  
 Iona Richards (*Engineering Science*)

**Gibbs Prize for Distinguished Performance in Finals**  
 Alicia Smith (*English Language & Literature*)

**Gibbs Prize for Performance in Prelims**  
 Morio Hamada (*Biomedical Sciences*)

**Gibbs Prize for Performance in Prelims**  
 Oscar Chang (*Computer Science & Philosophy*)

**Gibbs Prize for Performance in Introductory Economics**  
 Nguyet Anh Nguyen (*Economics & Management*)

**Gibbs Prize proxime accessit**  
 Robert Blakey (*Experimental Psychology*)

**Gibbs Prize proxime accessit**  
 Sebastian Koa (*Geography*)

**HMGCC Project Prize in Information Engineering**  
 Joon Son Chung (*Engineering, Economics & Management*)

**Mrs Claude Beddington English Literature Prize for the Best Performance in Prelims**  
 Audrey Shi (*English Language & Literature*)

**Part II Thesis Prize**  
 Jonathan Mannouch (*Chemistry*)

**Practical Prize in Physical Chemistry**  
 William Hartz (*Chemistry*)

**University of Oxford Nominee for the IoM3 A T Green Prize for Best Ceramics Graduate**  
 Thomas Scott (*Materials Science*)

**Worshipful Company of Ironmongers' Prize for Best Part II Project Presentation**  
 Duncan Johnstone (*Materials Science*)

**College Prizes**  
**The Bailey Prize** for debating was not awarded.

**The Burton Prize** for the best academic performance during the year in an area covering Psychology, Sociology, Geography and Human Sciences was awarded to Elizabeth Wilkins (*Human Sciences*).

**The Cochrane Evidence-Based Medicine Prize** for the best critical appraisal of evidence answering a practical clinical question was awarded to TBC.

**The Francis and Caron Fernandes Music Prize** for contributing towards the musical life of the College was awarded to Nathan Klein (*Music*).

**The Frank Allen Bullock Prize** for the best piece of creative or critical writing was awarded to Audrey Shi (*English Language & Literature*).

**The Gardner Prize** for outstanding contribution to the life of the College was awarded to Shan Chang (*Philosophy, Politics & Economics*).

**The Harold Bailey Prize** for Asian Studies was awarded to Megan O'Donnell (*Oriental Studies*).

**The Hart Prize** for the best essay on an historical subject by a first- or second-year undergraduate was awarded to Daniel Minister (*History & Politics*).

**The Katritzky Prize** for the best performance in Chemistry Part I was awarded to Jacob Pratt (*Chemistry*).

**The Katritzky Prize** for the best performance during the year in History of Art by a second-year was awarded to Beatrice Cooke (*History of Art*).

**Leask Music Scholarships** were awarded to Daniel Baboulene (*Music*), Jasper Gold (*Law*) and Daniel Shao (*Music*).

**The Master's Prize** for outstanding public examination performance was awarded to Sebastian Koa (*Geography*) and Chun-Mann Chin (*Chemistry*).

**The Michael and Lily Atiyah Prize** for the best performance in Mathematics by a second-year was not awarded.

**The Michael Atiyah Prize in Mathematics** for the best mathematics essay or project written by a St Catherine's undergraduate in his or her second year reading for a degree in Mathematics or joint school with Mathematics was awarded to Victoria Barrett (*Mathematics & Philosophy*).

**The Neville Robinson Prize** for the best performance in Physics Part B was awarded to Thomas Miller (*Physics*).

**The Neville Robinson Prize** for the best performance in Physics Part C was awarded to Henry Banks (*Physics*).

**The Peter Raina History Essay Prize** for the best essay by a second-year reading History was awarded to Lisa Staniforth (*History*).

**The Rose Prize** for the best academic performance during the year in Biological Sciences was awarded to Poppy Lambert (*Biological Sciences*).

**The Rupert Katritzky Prize**, awarded for the best performance in the Final Honour School in History, was awarded to Michael Livesey (*History*).

**The Smith Award** for services to Drama within the College was awarded to Nicole Evans (*Chemistry*).

**The Smith Award** for services to Music within the College was awarded to Chloe Scott (*Music*) and Heather Young (*Music*).

**The Stuart Craig Award** given to an outstanding student who has gained distinction in a university or national sport, or cultural or musical activities was awarded to Augustus Jones (*Biological Sciences*), Daniel Shao (*Music*) and Makoto Nakata (*Music*).

**The Thomas Jefferson Prize** for the North American student who has contributed most to the College academically, socially or culturally 'in the spirit of Thomas Jefferson' was awarded to Michael Chapin (*Visiting Student*).

**The Wilfrid Knapp Prize** for the best essay by a second-year reading PPE was awarded to Pierre

Loning (*Philosophy, Politics & Economics*).

#### College Travel Awards

##### Wallace Watson Award

Tom Gaisford (*Human Sciences*)  
Jack Hampton (*Philosophy, Politics & Economics*)  
Dylan Lynch (*Philosophy, Politics & Economics*)

##### Patricia Knapp Award

Michael Tai (*Medical Sciences*)  
Robert Dorfman (*History of Science, Medicine & Technology*)

##### Emilie Harris Award

Katherine Hickson (*Geography*)

##### Bullock Travel Award

Fleur Nash (*Human Sciences*)

##### Bullock Career Award

Julie Dayot (*International Development*)

##### Philip Fothergill Award

Charlotte Badenoch (*Modern Languages*)

##### Raymond Hodgkin Award

Joanna Przewrocka (*Continuing Education*)

##### Environmental Travel Award

Hannah Zainuddin (*Biological Sciences*)

##### Antony Edwards Bursary

Niamh Furey (*Modern Languages*)

##### Mark Davys Bursary

Marielena Doeding (*Law with Law Studies in Europe*)  
Marieta Saktorova (*Law with Law Studies in Europe*)  
Daniel Templeton (*Law with Law Studies in Europe*)

##### Teach First Bursary

Jake Hartley (*Law*)  
Marcus Stevenson (*Geography*)

##### College Travel Awards

Adeleke Abolade (*Engineering Science*)  
Hannah Acheson-Field (*Visiting Student*)  
Kieran Ahern (*Philosophy, Politics & Economics*)  
Ashleigh Ainsley (*Geography*)  
James Black (*Medical Sciences*)  
Robert Blackwell (*History & Politics*)  
Indira de Graaf (*Physics*)  
Nathan Donaldson (*Engineering Science*)  
Oliver Glanville (*Geography*)  
Maria Godoy (*Social Policy & Social Intervention*)  
Jake Ince (*Geography*)  
Dilraj Kalsi (*Medical Sciences*)  
George Lane (*Materials Science*)

Hege Larsen (*Medical Sciences*)  
Alistair Leverett (*Biological Sciences*)  
Michael Livesey (*History*)  
Elizabeth Nye (*Social Policy & Social Intervention*)  
Megan O'Donnell (*Oriental Studies*)  
Daniel Owen (*Law with Law Studies in Europe*)  
Katherine Pears (*Geography*)  
Thomas Pease (*Modern Languages*)  
Matthew Reynolds (*English Language & Literature*)  
Sagar Shah (*Engineering, Economics & Management*)  
Poppy Simmonds (*Biological Sciences*)  
Hope Simpson (*Biological Sciences*)  
Javier Takamura (*Modern Languages*)  
Hugh Taylor (*Materials*)  
Daniel Templeton (*Law with Law Studies in Europe*)  
George Townsend (*English Language & Literature*)  
Shruti Tulpule (*Law*)  
David Zimmer (*Chemistry*)

##### The Charles Wenden Fund

has continued to support the sporting life of the College.



# Graduate Degrees & Diplomas

During the academic year 2013-2014 leave to supplicate for the DPhil was granted to the following:

**Karolina Bujok** (Mathematics)

*Numerical Solutions to a Class of Stochastic Partial Differential Equations Arising in Finance*

**Valentina Carapella** (MPLS Doctoral Training Centre)

*Impact of Tissue Microstructure on a Model of Cardiac Electromechanics Based on MRI Data*

**Alissa Cooper** (Social Science of the Internet)

*How Regulation and Competition Influence Discrimination in Broadband Traffic Management: A comparative study of net neutrality in the United States and the United Kingdom*

**Philip Coulter** (Physics)

*Cryogenic Phonon-scintillation Detectors with NTD Germanium Readout*

**Julie Farguson** (History)

*The Visual Presentation of the British Monarchy, 1689-1714*

**Conor Fleming** (Engineering Science)

*Tidal Turbine Performance in the Offshore Environment*

**Thomas Gibson-Robinson** (Computer Science) \*

*Analysing Layered Security Protocols*

**David Hall** (Physics)

*Discovery and Measurement of the Higgs Boson in the WW Decay Channel*

**Isis Hjorth** (Social Science of the Internet)

*Networked Cultural Production: Filmmaking in the Wreckamovie Community*

**Darren Jeffers** (Geography & the Environment)

*A Palaeoenvironmental History of the Southern Bekaa Valley and the Lebanon Mountains, Lebanon during the Last Glacial Period (~112-35 ka BP)*

**Luyun Jiang** (Chemistry)

*Electrochemical Studies at Modified Carbon Electrodes*

**Lewys Jones** (Materials) \*

*Applications of Focal-series Data in Scanning-Transmission Electron Microscopy*

**Kärg Kama** (Geography & the Environment)

*Unconventional Futures: Anticipation, Materiality and the Market in Oil Shale Development*

**Abhay Kotecha** (Medical Sciences)

*Structure and Dynamics of Picornavirus to Inform Vaccine Design*

**Graciela Mohamedi** (Engineering Science)

*Engineering the Surface Properties of Microbubbles for Biomedical Applications*

**Agata Nasilowska** (Medical Sciences)

*The role of CTIP gene as genetic susceptibility factor for radiation leukaemogenesis*

**James Pope** (Mathematics)

*Free Will in Device-Independent Cryptography*

**Walaa Ramadan** (Medical Sciences)

*The Oocyte Activation Factor, Phospholipase C Zeta (PLCZ): Potential Mechanisms of Action and Scope for Human Infertility Treatment*

**Joshua Ryley** (Engineering Science)

*Turbine Blade Mid-Chord Internal Cooling*

**Michael Saliba** (Physics)

*Plasmonic Nanostructures and Film Crystallization in Perovskite Solar Cells*

**Tohru Seraku** (Linguistics, Philology & Phonetics)  
*Clefts, Relatives, and Language Dynamics: The Case of Japanese*

**Marwa Sharafeldin** (Law) \*  
*Personal Status Law Reform in Egypt: Women's Rights NGOs Navigating Between Islamic Law and Human Rights Law*

**Alexander Taylor** (History) \*  
*Forms of Persuasion: Art and Business in the 1960s*

**Janendra Telisinghe** (Engineering Science) \*  
*Film Cooling of Turbine Blade Trailing Edges*

**Amrit Virk** (Social Policy & Social Intervention)  
*Expanding Health Care Services for Poor Populations in Developing Countries: Exploring India's RSBY National Health Insurance Programme for Low-Income Groups*

**Kaitlin Walsh** (Modern Languages) \*  
*Figures of Authority: Cervantes' Critique of Storytelling in Selected Works*

**Jorge Zeron Medina Cuairan** (Medical Sciences)  
*The Identification and Characterisation of Germline Genetic Variants that Affect Human Cancer*

\* indicates previous graduate of the College

#### The following were successful in other examinations:

**James Aglio**, *MSt Greek &/or Latin Languages & Literature*  
**Guy Ainsley**, *MSc (C) Major Programme Management (part-time)*

**Ayokunmi Ajanaku**, *2nd BM \**

**Lindsey Akerman**, *MSt Classical Archaeology †*

**Samer Alabed**, *MSc (C) Evidence-Based Health Care (part-time)*

**Andreas Alkiviades**, *MSc (R)*

**Laurence Allen**, *MPhil Modern British & European History*

**Naif Almuqati**, *MSc (R)*

**Mark Andrijanic**, *Master of Public Policy*

**Matteo Angelini**, *MSc (C) Law & Finance \*†*

**Emily Antoniadis**, *MSt Music (Musicology)*

**Pantelis Antonoudiou**, *MSc (C) Neuroscience*

**Andrey Ashikhmin**, *MSc (C) Mathematical Finance (part-time)*

**Mohammad Bazazi**, *MBA \**

**Ravinder Bola**, *MSc (C) Major Programme Management (part-time)*

**Leah Broad**, *MSt Music (Musicology) †*

**Emily Brown**, *2nd BM (Graduate Entry) †*

**Stephanie Bryson**, *MPhil International Relations*

**Sung Sik Byun**, *MBA*

**Ana Castro**, *MSc (C) Evidence-Based Health Care (part-time)*

**Radhika Chadha**, *2nd BM*

**Chintan Chandrachud**, *MPhil Law \**

**Jiaxi Chen**, *MSt Global & Imperial History*

**Jianpeng Cheng**, *MSc (C) Computer Science †*

**Jason Cheverton**, *MBA*

**Charlotte Clark**, *MSt English (1900-present day) \**

**Matthew Clarke**, *MSt History of Design (part-time) †*

**Mark Condon**, *MSc (C) Neuroscience*

**Guy Danon**, *MSc (C) Financial Economics*

**Dolf Diemont**, *MSc (C) Law & Finance †*

**Katherine Donaldson**, *PGCE Religious Education*

**Robert Dorfman**, *MSc (C) History of Science, Medicine & Technology \**

**Shuang Dou**, *PGDipI Diplomatic Studies*

**Ekaterina Dubovitskaya**, *MSt Creative Writing (part-time)*

**Madhupreetha Elango**, *BCL*

**Martin Ellis**, *MSc (C) Major Programme Management (part-time)*

**Christopher Elsby**, *MSc (C) Computer Science*

**Sania Faizi**, *MSc (C) Economics for Development*

**John Fielden**, *MSc (C) Integrated Immunology*

**Ethan Fogarty**, *MSc (C) Comparative Social Policy*

**Yuan Gao**, *MSc (C) Biomedical Engineering*

**Alison Garcia**, *MSt Modern Languages*

**Anirban Ghosh**, *MBA*

**Richard Glancy**, *PGCE History*

**Maria Godoy**, *MSc (C) Evidence-Based Social Intervention †*

**Yusuf Gungor**, *MBA*

**Yicong Guo**, *MJuris*

**Ilsa Haeusler**, *2nd BM \**

**Rachael Hardstaff**, *MSt Medieval History †*

**Faisal Haroon Zai**, *MSc (C) Mathematical Finance (part-time)*

**Ullash Hazarika**, *MBA*

**Genevieve HELLERINGER**, *MSc (C) Psychological Research*

**Christine Hesketh**, *2nd BM \**

**Luke Holland**, *MBA*

**Vit Hornacek**, *MSc (C) Major Programme Management (part-time)*

**Layal Jammal**, *MBA*

**Jure Jeric**, *MSc (C) Global Governance & Diplomacy †*

**Ryan Kahn**, *MBA †*

**Vanshica Kant**, *MSt Global & Imperial History*

**David Martin Kayondo**, *MSc (C) Major Programme Management (part-time)*

**Ruby Klett**, *Diploma in Legal Studies*

**Grace Kwong**, *PGCE Geography*

**Emily Manolopoulos**, *PGCE Physics*





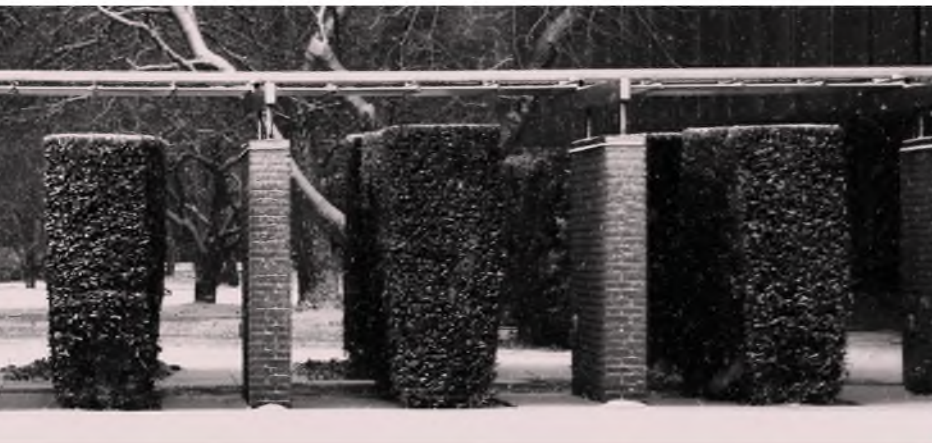
**Duncan Marks**, *PGCE History*  
**Rebecca Martin**, *MSc (C) History of Science, Medicine & Technology*  
**Samuel McKavanagh**, *PGCE Religious Education*  
**Chand Mehta**, *MSc (C) Contemporary India*  
**Rory Mellows**, *PGCE Physics*  
**Pearl Ngugi**, *MSc (C) Global Health Science*  
**Foteini-Eleni Oikonomopoulou**, *MJuris*  
**Michael Osorio**, *MSc (C) Mathematical Modelling & Scientific Computing*  
**Parita Panchariya**, *MSc (C) Clinical Embryology*  
**Junghoon Park**, *MSc (C) Sociology*  
**Steven Patch**, *MBA*  
**Ana-Marija Petric**, *MPhil General Linguistics & Comparative Philology †*  
**Shannon Philip**, *MSc (C) Contemporary India †*  
**Nadia Pitt**, *PGCE Modern Languages*  
**Saffron Powell**, *PGCE Biology*  
**Lilli Probst**, *MSc (C) Economics for Development †*  
**Reinier Pro  e**, *MSc (C) Neuroscience*  
**Ali Raffie**, *MSt Music (Performance)*  
**Cole Robertson**, *MSc (C) Cognitive & Evolutionary Anthropology*  
**Delphine Robineau**, *MSc (C) Sociology †*  
**Alice Rollin**, *2nd BM (Graduate Entry)*  
**Argula Rublack**, *MSt Medieval Studies*  
**Hanako Shimamura**, *MSc (C) Education (Child Development & Education) †*


**Kirstie Smith**, *MSt Modern British & European History \*†*  
**Joachim Steinberg**, *MSt Legal Research*  
**Henry Stone**, *PGCE Religious Education*  
**Shamsuddin Syed**, *MBA †*  
**Mariama Sylla**, *Master of Public Policy*  
**Konstantinos Syrrakos**, *MJuris*  
**Morris Tai**, *MSc (C) Experimental Therapeutics (part-time)*  
**Nadya Temper**, *MSc (C) Radiation Biology*  
**Martin Tengler**, *MSc (C) Global Governance & Diplomacy*  
**Stephane Thao**, *MSc (C) Computer Science*  
**Jennifer Thomas**, *2nd BM †*  
**Wendy Tibbitts**, *MSc (C) English Local History (part-time)*  
**Caitriona Topping**, *MSc (C) Radiation Biology*  
**Zara Tsang**, *2nd BM \**  
**Shruti Tulpule**, *BCL*  
**Daniel Tybjerg**, *MSt Creative Writing (part-time)*  
**Jiazhe Wang**, *MSc (C) Computer Science*  
**Wenqi Wang**, *MSc (C) Computer Science †*  
**Urzala Weiss**, *MBA*  
**Xian Xu**, *MBA*  
**Pui Pui Yau**, *MSc (C) Comparative Social Policy*  
**Annmarie Yesufu**, *MSc (C) Clinical Embryology*  
**Ruotao Zhang**, *MSc (C) Applied Statistics*  
**Xin Zhang**, *MBA*

\* indicates previous graduate of the College  
 † indicates candidates adjudged worthy of distinction by the Examiners

## Graduate Scholars

**Marta Brambilla** (*Chemistry*) Wilfrid Knapp Scholar (*Sciences*)  
**Abhijeet Chaudhari** (*Engineering Science*) Great Eastern Scholar  
**Julie Dayot** (*International Development*) Light Senior Scholar  
**Diana Di Paolo** (*MPLS Doctoral Training Centre*) College Scholar (*Sciences*)  
**Isabel Diez-Sevilla** (*Medical Sciences*) College Scholar (*Sciences*)  
**Francesco Ferroni** (*Materials*) Light Senior Scholar  
**Myrna Holstrom** (*History*) Overseas Scholar  
**Ian Houlsey** (*Chemistry*) Leathersellers' Company Scholar  
**Amelie Joffrin** (*Chemistry*) Light Senior Scholar  
**Wojciech Kozlowski** (*Physics*) Leathersellers' Company Scholar  
**Ioan Milosevic** (*Medical Sciences*) Glaxo Scholar  
**Megan O'Donnell** (*Oriental Studies*) Light Senior Scholar  
**Stephanie Oerum** (*Medical Sciences*) Light Senior Scholar  
**Caterina Paoli** (*Modern Languages*) Light Senior Scholar  
**Guilherme Perdigo Murta** (*Modern Languages*) Magellen Scholar  
**Cayenna Ponchione** (*Music*) Allen Senior Music Scholar  
**Kalyani Ramachandran** (*Social & Cultural Anthropology*) Light Senior Scholar  
**David Rowland** (*Medical Sciences*) Glaxo Scholar  
**Eirion Slade** (*Medical Sciences*) Light Senior Scholar  
**Sarah Ward** (*History*) College Scholar (*Arts*)  
**Ronja Woloszczuk** (*MPLS Doctoral Training Centre*) Leathersellers' Company Scholar  
**Jovi Wong** (*Medical Sciences*) Overseas Scholar  
**Milena Zeidler** (*History*) Random House Scholar



A woman in a dark dress is walking along a riverbank, carrying a large, heavy bundle of bananas on her head. She is looking down at the ground. The background shows a river and some trees.

## Myles Karp

(2012, Cognitive & Evolutionary Anthropology), winner of the 2013 Wallace Watson Award, writes about his trip to Central America to discover the Gros Michel banana.

**My Wallace Watson project was borne not of wanderlust, nor a love of the outdoors, nor the need for intrepid soul-searching, but rather of the desire to eat a banana.**

About a year ago, I read an article about how the current commercial banana is a sub-par replacement for a more flavourful predecessor. Until around 1960, the Gros Michel cultivar was basically the only banana eaten in Europe and my native United States. However, when a pathology called Panama disease wiped out the export supply, producers reluctantly switched over to the only commercially viable disease-resistant variety, the Cavendish, despite its relative lack of flavour. Today, we are still eating the bland Cavendish, even as it faces a disease epidemic of its own.

I had to try the Gros Michel. It is still cultivated for small-scale local consumption in certain parts of the tropics. A spark went off when I heard about the Wallace Watson Award. I would spend five weeks in Central America, immersed in the world of bananas, touring and working on farms, speaking with experts, and of course, sampling the local varieties. I would also locate a disease-free Gros Michel plant and send a cutting back to England to be planted in the Oxford Botanic Garden.

From San José, Costa Rica, I found my way to the small town of Turrialba by public bus, spending the week at an agricultural institution called CATIE (Centro Agronómico Tropical de Investigación y Enseñanza). There, I participated in surveying and collecting projects at farms around the mountainous Turrialba area.

It was at the first farm that I tried my inaugural Gros Michel banana. The supervisor emerged from a shed



with two brightly coloured, relatively squat, uncurved bananas. It was difficult to contain my excitement when I unpeeled the fruit, revealing darker yellow flesh than that of conventional bananas. As the two agronomists who accompanied me munched on their snack, they might have been amused by the wide-eyed foreigner gingerly handling and examining a banana as if it were the Holy Grail.

Taking the first bite, I looked out across the mountains to see terraced coffee plantations in the distance, clouds floating in below me, and small enclaves of colourful Swiss-inspired houses; I stopped to appreciate my situation. Although the flavour of the banana was not qualitatively very different from that of a Cavendish, it had significantly more of that characteristic banana taste in each bite, and it was sweeter. The texture was creamier, and the aroma was stronger. I would return to CATIE at the end of my trip to acquire an *in vitro* baby Gros Michel plant, which is now in Oxford.

I spent the next two weeks in the province of Limón. At a gigantic commercial farm, I saw an order for Chiquita being filled, from harvesting bunches to placing the iconic blue stickers on the fruits. I also spent time in two banana germplasm banks, as well as driving around in a pickup truck with the world's foremost banana expert, and stopping to chat with the proprietors of trees that caught his eye.

At weekends, I took advantage of the country's non-banana offerings, including Manuel Antonio National

Park, Póas Volcano, the Nicoya Peninsula, and the surf town of Puerto Viejo on the Caribbean. I spotted three species of monkeys, saw the Milky Way for the first time, and found myself playing the guitar for an audience of Costa Rican surfers at a beachside bar.

During the last week, I travelled to a remote village of indigenous Bribri people in the jungle on the Costa Rica-Panama border. This necessitated an initial journey on three increasingly shoddy public buses, on the last of which I informed the driver I was looking for Mr Guillermo, as instructed. After getting off and asking a number of passers-by if they knew Mr Guillermo, I embarked on an hour-long motorised canoe ride on the Yorkin River. There, I spent my time wading across the river between Panama and Costa Rica, working on the farm, drinking a beverage of hot mashed banana and milk, and attempting to explain to the incredulous villagers what New York City is like.

On my final five-hour bus ride back to San José, having just explained to a gun-wielding border guard why I only had a paper copy of my passport, covered in mosquito bites and mud, commando, wearing the rubber shoes I bought at a grocery store after having lost mine and wandered barefoot for a day, and completely out of cash (long story), I laughed to myself, wondering what I would have been doing at that moment had I messed up my interview for the Wallace Watson Award. I probably would have been in a tiny apartment in Manhattan, wearing clean underwear, complaining about the slow Wi-Fi connection. Life is unpredictable. ■

*The Gros Michel banana*



# Gus Jones

(2012, Biological Sciences), shares his experiences playing rugby at the 2014 Varsity Match, the U20 Six Nations, and the Junior World Championship.

**The 2013-14 academic year was an exciting challenge for me. The prospect of the Varsity Match at the end of Michaelmas Term, the U20 Six Nations tournament during Hilary Term, and the International Rugby Board Junior World Championship (JWC) in Trinity Term left me with mixed feelings as I arrived at Catz in Noughth Week.**

On the one hand, I had a fantastic opportunity to experience two very contrasting rugby environments, in the Blues and the England U20s, as well as a chance to play at a level that I had not yet been exposed to. However, the idea of balancing these commitments with those of the second year of my Biological Sciences degree left me wondering how realistic a task this was.

The U20 Six Nations was to take place over five weeks of Hilary Term, while the JWC in New Zealand would require me to miss the second half of Trinity Term. Understandably, my tutors also had their doubts, possibly owing to the fact that I am reasonably bemused by the concept of Evolutionary Biology at the

best of times, and therefore needed all the teaching I could get.

Thankfully, my Biological Sciences tutors, the Senior Tutor, and the Academic Registrar worked hard to come up with a compromise that would allow me to compete in the Varsity Match, two U20 Six Nations matches, and in the JWC ... and, hopefully, not fail my second year exams! It is certainly safe to say that any success I had on the rugby pitch would not have been possible were it not for the support that Catz, and in particular the Biological Sciences tutors, gave me over the course of last year.

The 2013 Varsity campaign was an eye-opening experience for me. The hardest challenge for any team is to understand where its motivation comes from, and what struck me most about the Blues is that their motivation differs hugely from that of most professional outfits.

Whereas many other teams that I have been part of defined themselves by their ability to win games, the outlook of Oxford University Rugby Football Club (OURFC) is not as clear-cut. While the ultimate aim is to defeat Cambridge at Twickenham, I believe that many current and past Blues would tell you that the friendships and experiences formed along the way are far more significant than the end result.

Committing to a Varsity campaign is a huge sacrifice for any student, often impacting on their academic

*...the idea of balancing these commitments with those of the second year of my Biological Sciences degree left me wondering how realistic a task this was...*





© Ashley Western/Camera Sport

The most marked difference between the England U20 set up and the Blues of Oxford was the relentless focus on performance. The detail and intensity of training was like nothing I had ever experienced. The clear motivation, not only to win the U20 Six Nations but also to develop as rugby players, was evident throughout the squad.

The four weeks I spent in New Zealand were exhausting, tedious, nerve-racking, rewarding, and enjoyable all at the same time. We were based in a small friendly suburb of Auckland called Takapuna, where we were treated like minor celebrities! New Zealand's obsession with rugby was always evident, and it did feel like we were constantly under inspection. The amount of work put in by every member of the squad as well as the ten-person management team was phenomenal. This detail and focus paid off for us, and ultimately led to a 21-20 victory over South Africa at Auckland's famous Eden Park in the final.

I have since been asked to compare the emotions I had after winning the Varsity Match with how I felt as the final whistle went at Eden Park. In both instances, it was amazing to be able to share success with people who have poured everything into achieving a collective goal.

I would like to think that I have learned a lot from my experiences last year, but the thing that sticks with me the most is the support I felt from my friends at Catz, my team mates, and my family, without whom none of this would have been possible. ■

*Gus Jones (2012, Biological Sciences) competing in the 2013 Varsity Rugby Match*

and social life as well as being emotionally exhausting. I think that this sacrifice motivates players to put everything they can into the campaign, and as a result, the collective bond that exists in the squad is very powerful. As one of my fellow Blues told me, moments before lobbing his phone into a Latvian river, 'I love you boys, I've got everyone I need here, I don't need to text anyone.' Although I feel he may have subsequently regretted his impulsiveness, his message is eternal.

After the elation the Varsity Match, I needed to turn my attention to the U20 Six Nations. Not only is this an important competition in its own right, but is also an essential time for the team to gel and for players to win seats on the plane to the JWC. I was involved in the two England home games, vs Ireland in Northampton and vs Wales in Newcastle, and we came second in the overall standings. However, our performances over the course of tournament left the entire squad confident that we could be successful at the JWC in New Zealand, not to mention the fact that seven members of the squad had already won a JWC in France the year before.

# Fleur Nash

(2012, Human Sciences), winner of the Bullock Travel Award, writes about her trip to Bangladesh and time at the Bright Green Energy Foundation.

**Last year I was the coordinator of the 2014 Oxford Climate Forum. I invited Dipal Barua, CEO of the Bright Green Energy Foundation (BGEF) based in Dhaka, Bangladesh, to be our keynote speaker. This led to a wonderful offer to work with him in Bangladesh during the summer.**

Dipal was a co-founder of the Grameen Bank and has used his skills to develop his country in an environmentally sustainable way, aiming to install 7.5 million solar panels in the rural areas of Bangladesh by 2020.

On arrival in Bangladesh, I did not know what to expect. When I got off the flight by myself, I had little time to think as I was immediately blasted with the sights, smells, and sounds of one of the most densely populated cities in the world.

Working in the head office, I was immediately exposed to the work ethic of Dipal's company. Their personal investment in the future of their own country was an inspiring relief from the international viewpoint of

outsourced aid. Visits to the rural villages presented me with the grass roots of the company. I was shown the process of training up female technicians to install the solar panels, with the ultimate aim of promoting social, economic, and environmental sustainability. Employees would collect the monthly instalments from the solar panel owners, giving them a sense of financial independence. It was great to see the benefits first-hand of the improved quality of life in the family home and business environment. It surprised me how the efficient concept of supply and demand could be executed so well with so few resources, and working from just small rooms filled with paper.

*Fleur Nash (2012, Human Sciences) with the homeowner of a solar panel in a village near the town of Comilla in East Bangladesh.*





*The logo of the Bright Green Energy Foundation outside one of its rural headquarters in North Dhaka*

I also got to see the process from the other end of the spectrum. The governmental branch that supports BGEF's endeavours also oversees the funding and effectiveness of other similar projects that Bangladesh is currently developing. Within the head office itself, I was able to appreciate the huge operation that they ran, controlling 328 rural branches all over the country under ten regional head offices. While I was there I created a brochure about the company, and wrote a presentation for Dipal's conference in Pakistan as part of the recent IPCC report on climate finance.

Working there was an all-encompassing experience of such a wonderful chaotic city and way of life. The traffic is beyond imagination. I spent many hours sitting in one place and wondering whether it would have been quicker to walk the ten-minute journey. Once the roads got moving it was a terrifying rollercoaster of vehicles, people, and animals weaving around at great speeds. My favourite way to travel was by rickshaw, as it allowed me to soak in the full force of city life while

trying very hard to balance on the tiny chair and marvel at the athletic ability of the man cycling you past huge buses and trucks. I loved being able to see the crowds of people constantly moving, yet never too busy to stop for some tea, which offered a brief relief from the heat and a chance to catch up with friends.

Like tea, food was an essential ingredient of the social activity there. Food is what brings everyone together, family, friends, and strangers; from delicious kedgerees to biryanis (rice soaked in juices and spices from the chicken that is encompassed in it). I was lucky enough to be there for Eid, which entailed going to multiple family homes in succession and being offered dish after delicious dish of traditional treats. Having to constantly accept and finish what was put on my plate was an enjoyable challenge (I think my stomach doubled in size that day). This really sums up the overwhelming hospitality and generosity endemic to their culture. Although I was a complete stranger, I felt like a family member instantly and was treated like one of their own.

I really got an all-round experience of life and work in a completely different culture and context. Their unified optimism made me re-evaluate my individualistic culture back home. Seeing first-hand the link between business and sustainable development has made me question my previous views on international development. After a day in the office I would sit on the rooftop of the building, look out over the organised sprawl of the city, and feel the frantic yet determined drive for success that I have been lucky to be a part of. ■



*Fleur Nash (2012, Human Sciences) with members of the Bright Green Energy Foundation*

*It surprised me how the efficient concept of supply and demand could be executed so well with so few resources, and working from just small rooms filled with paper.*

# Ben Cohen

(2011, Geography), writes about his involvement with the Oxford film-making community and the making of a short student film. It was supposed to be so Eezy...

**I'm sitting on the top floor of a pub in Oxford. My head is in my hands. The fire alarm has gone off for the sixth time this afternoon, and the twenty or so students/members of the public/anyone we could grab off the street have stopped dancing and are milling around under multicoloured disco lights. The scene looks less sweaty, '90s rave, more clammy coffee morning. Making films in Oxford is hard!**



What, might you ask, is someone studying Geography at St Catherine's College, Oxford doing on the top floor of a slightly seedy pub on a Tuesday afternoon with five months to go until their Finals? The short film which I was shooting for, called BACKTRACK, involving a crew drawn from the wider University, has proved to be the culmination of three years' worth of extra-curricular shenanigans based in the theatrical and cinematic realm. However, I do not believe such a feat would have been possible when I first arrived at Oxford.

While Oxford, like Catz, has a thriving theatre scene, with almost £100,000 annual revenue from student ticket sales, the film community, at least when I first arrived, was almost non-existent. There was an excess of talented writers, directors, actors, and producers, but getting a film crew together, especially one with any kind of technical expertise, was tricky. More importantly perhaps, there was no infrastructure or support to provide funding and equipment in the way that there was for student theatre at Oxford.

Over the last five years, however, the cost of film-making has dropped significantly due to a number of technological innovations and, by my second year, the

*Ben Cohen (2011, Geography),  
Writer, Director, and  
Cinematographer*



Oxford film-making community had begun to grow. With the aim of enabling this network, Anatole Sloan and I set up the Oxford Broadcasting Association (OBA) which, following the model of the Oxford theatre scene, seeks to make film-making sustainable via income generated by screenings. To this end, thanks to the great generosity of Thelma Holt, a London theatre producer and former Cameron Mackintosh Visiting Professor, and also to the University's Vice-Chancellor, we were able to raise £15,000 for short film productions at the University. This goes some way to explaining what I was up to in that pub...

I was about halfway through directing a short film that had been six months in the making. Backed by the OBA, *BACKTRACK*, written by a fellow Oxford student, Mary Flanigan, was motivated by the recent nostalgic turn for everything '90s related. Inspired by the re-popularisation of '90s house music, and as a reaction to the aggressive and highly sexualized atmosphere of mid-2000s alcohol-fuelled clubbing, where spending wads of cash on expensive drinks with sparklers in them made you the 'biggest baller' in the club, the revitalisation of 90s rave culture engendered an asexual friendly dance floor to 'get your groove on'.

It was in this context that Mary wrote the story of Matt, a man who is facing his thirties with nothing more than a 'desk-monkey job' and fading memories of '90s acidhouse to protect him. The best time of his life has come and gone with the fading of rave culture, and he knows it. Then, the one who got away, Mia, falls back into his life

and he decides to check back in with an old mate, Eezy, to get back a little of that '90s bliss. However, as he gets swallowed into Eezy's world, Matt soon realises that his memories of the '90s were far more appealing than the gritty sweaty reality he encounters. His attempted escape only causes him to become even more trapped in Eezy's warped time bubble, and we follow Matt as he struggles to return to reality and finally leave the '90s behind.

While *fire-alarm-gate* proved to be one in a long line of smoke-machine-related incidents, including the time where we couldn't switch the beast off and it became impossible to even see your hand through the smoke in the small house we were shooting in, I can now happily say that we have the final cut. Along with a selection of other OBA films, *BACKTRACK* was shown at the Phoenix Picture House in November 2014, transporting the audience on a long overdue trip back to the '90s!

*Ben Cohen is a Writer, Director and Cinematographer who has recently co-founded ZoyaFilms. ([www.zoyafilms.com](http://www.zoyafilms.com)). ■*



*...fire-alarm-gate proved to be one in a long line of smoke-machine-related incidents, including the time where we couldn't switch the beast off...*

*A still from the film BACKTRACK, directed by Ben Cohen (2011, Geography)*

# Sarah Bearchell

(1991, Biological Sciences)

## on her inspirational new venture, Sarah's Adventures in Science

**I am a Science Presenter. I have my own company. It is small and imperfectly formed. After my third child was born, I took a long hard look at my career and I decided to look around for a new direction. In the interim, I decided to help with science at my children's primary school. We grew sunflowers, made paper trees, and designed experiments, but most of all we had fun. If you put a child at the centre of learning and make it 'hands-on' it's always more enjoyable.**

My next step was to become a STEM Ambassador. It's a national scheme which helps scientists and engineers to take their subject into schools. The children learn that such careers exist, while the Ambassadors get reinvigorated and realise why they are doing their job in the first place. It's a brilliant arrangement for all involved.

As my experience and confidence grew, people started to comment that I was actually very good at what I was doing. A few even suggested I should 'go professional', and *Sarah's Adventures in Science* was born shortly after. When I started, I vowed that I

would take every opportunity available and never turn any reasonable offer down. This is how I came to face a Friday night pub crowd in Cowley Road...

*Science ShowOff* can only be described as 'an eclectic open-mic event' where you have nine minutes to talk about your research or a topic which interests you. On the same night as me, there was a song about Pluto and a sumo-suited researcher – eclectic, I am sure you will agree. I did one of the children's favourite demos: I made a set of intestines out of tights, cold porridge, and coffee. It was a truly surreal experience; helping my assistant to 'defecate' live on stage in front of slightly inebriated adults.

Having seen my performance at *Science ShowOff*, the public engagement team at *Science Oxford* asked me to do their Christmas family show. I wrote the 'Jack and the Beanstalk Science Show', which tells the familiar story and investigates some scientific principles along the way. The show went on to be a success at local schools, and I wrote a special version for the Catz Family Day this



*Sarah Bearchell (1991, Biological Sciences), with her Joshua Phillips Award for Innovation in Science Engagement*

summer. Did you know that to reach a cloud, a magical beanstalk trunk would need a diameter approximately the same as the lawn in Catz quad?

I started to investigate the local Science Communication community. You'll find me on





Sarah Bearchell, (1991, *Biological Sciences*), entertaining the audience at Catz Family Day 2014 with her Jack and the Beanstalk Science Show

LinkedIn, Twitter, and Facebook, and all of them have brought me work or opened doors. Through networking I've been a judge at a *Stemettes* Hackathon, extracted my own DNA on a soapbox in Broad Street, and I even got to stand on the hallowed stage of the Jericho Tavern where I taught the whole *Bright Club* audience how to play a straw flute.

My repertoire of shows and workshops for schools is gradually increasing, and I'm currently writing new material to fit in with the new National Curriculum for Science in England. I'm particularly enjoying bringing my love of ecology into schools. Now that I'm building my reputation, I'm starting to access funding. In September, the British Science Association funded me to take *SENSory Science* workshops into special educational needs schools as part of the British Science Festival, and I've recently secured some

funding from the Royal Society of Chemistry to visit hard-to-reach schools. The funding is something I need to obtain more of; it would be great to be able to offer more free sessions.

Just over a year after launching *Sarah's Adventures in Science* I had a lovely surprise – I won the *Joshua Phillips Award for Innovation in Science Engagement 2014* (also known as The Josh Award). It recognises all my work, but the judging panel were particularly interested in my sessions with children with special educational needs. We do all kinds of sensory science together; using Gruffalo puppets to explore shadows, stomp rockets to learn about forces and my personal favourite, using dry ice to investigate states of matter. Every child is able to access the activities in their own way; adaptability is the key to the sessions.

At the time of writing I'm developing some new equipment which will safely allow all children to create their own dry ice cloud, regardless of their physical ability. This will see its debut at the Manchester Science Festival, where I am the Science Communicator in Residence this year.

My work with such a diversity of children stems from my passionate belief that every child is a natural scientist – just listen to the number of questions they ask! If we can help them answer those questions while they are young, we might just nurture a lifelong love of science. Some children might choose scientific or engineering careers, but all of them will have a better understanding of science, or greater 'science capital'.

Having your own company gives you wonderful freedom but it does have a huge downside – if you are not working, you are not earning. So I will continue to hone my art, network, seize every opportunity and push myself as hard as I can. None of this would have been possible though without the vision of some innovative teachers, the support of my husband Chris, and help from my chief test subjects Matilda (9), Joe (7) and Archie (5).

You can find out more about Sarah's *Adventures in Science* at [www.bearchell.co.uk](http://www.bearchell.co.uk). ■

# Annelise Andersen (2009, Music)

on her love for Danish Design, both nova et vetera

**After I left St Catherine's, I decided to pursue a Master's in Socio-Cultural Anthropology at Durham University. I am part-Danish myself, and my motivations were arguably underpinned by my heritage and the fact that my experience of Danish culture has, for the most part, been away from Danish soil. As well as growing up with all manner of Danish traditions, (which were never in short supply in my household), my time as an undergraduate at Catz contributed strongly to this.**

Design is a craft for which Danes have become infamous world over. Traditionally, Danish design can be recognised by its simplicity, its clean lines, its form, and its function, as is exemplified of course in Arne Jacobsen's St Catherine's. In more recent years, however, Danish designers working with the built environment are approaching their work in new and arresting ways that integrate influences from other countries, aiming to reconfigure Danish urban spaces and to challenge perceptions of Danish design today.



*Annelise Andersen (2009, Music) exploring Superkilen's 'Black Market' area in Copenhagen with her cousin*

Superkilen, an urban design project that lies in the northern suburb of Nørrebro in Copenhagen, an area which is a true melting pot of different cultures, is one example of this. Made up of over 100 pieces of garden furniture, ornaments, and exercise equipment collected from over seventy countries, it is an extraordinary construction that aims not only to be a recreational space, but a reflection of the rich cultural milieu in which it is embedded.

I first discovered Superkilen by way of the Internet, a medium which does not do the rich complexity of its topography justice, but manages to convey the uniqueness of its appearance nonetheless. Reading that it was partly the product of an extensive public participation plan involving residents in Nørrebro, I was taken by the motivations behind its design, and what it could be saying about society in Denmark today.





*The National Bank,  
Denmark*

I spent two months in total in and around Superkilen and wider Copenhagen conducting fieldwork in 2014. This research was kindly enabled by the Confederation of Scandinavian Societies of Great Britain and Ireland and Hatfield College, Durham, the support of whom I would not have been confident applying for were it not for my experience of living immersed in the Danish modernist vision that is St Catherine's, and the enjoyment and inspiration I could easily speak of that came from this.

At several points during my stay in Denmark I was reminded of the prevalence and timelessness of Jacobsen's design, even when

*Newspaper article taken from the Sunday Times, October 1960, detailing the appointment of Arne Jacobsen as the architect of St Catherine's College*

juxtaposed with the pioneering constructions that are increasingly coming to decorate the Danish capital. I saw his designs everywhere I looked, from the National Bank, to the permanent collection in the Design Museum of Denmark (where St Catherine's features strongly!), and the lamps warming homes of family and friends with *hygge* ("cosiness"). Jacobsen's art continues to penetrate Danish life now as much as it always did. I feel lucky to have lived in such a visionary piece of architecture for three years – it not only informed the research I did, but was the inspiration for it! ■



*Monthly photograph for The Sunday Times by WHITTAKER BRAY*  
Professor Arne Jacobsen

**P**ROFESSOR JACOBSEN, who has caused a mild cultural commotion with his designs for St. Catherine's College at Oxford, is a Dane in his late fifties and looks more like a farmer or one-time soccer player than a present architectural master, a legacy, perhaps, from an athletic boyhood. He has a gentle, probing, unflinching manner well suited to dealing with the manifold technical problems which he encounters in designing not only a new Oxford College but a hotel in Copenhagen and everything in it—from telephones to tumblers, armchairs to ashtrays.

He has a reflective, occasionally even a perplexed manner, a ready humor and a deep humanity. "These high buildings are suitable for travelers," he says, looking around the new hotel, "but I do not think so good for children."

Despite his growing practice, he has a small staff and works from his own house. Unlike most eminent architects, he continues to design small houses, for he believes that many architectural discoveries begin in domestic architecture. He has only recently completed a small house well under 1,000 square feet in area.

IT is a tribute to the man that the protests concerning his appointment last year as architect for the new college were curiously muted. British architects were understandably piqued, but they were also highly respectful of Jacobsen's achievements. The few who knew him were also respectful of the man himself.

Jacobsen, in common with Alvar Aalto, that other great Scandinavian architect, has shown an unfashionable reluctance to opine, preferring, it seems, to design and build. Yet this reticence has not curbed his practice. Last month, when most of Denmark's leading architects and designers went off by the planehead to help King Frederik IX launch a great display of Danish industrial design in New York, Jacobsen stayed at home. He was far too busy. The reasons are not far to seek. As the functions of modern buildings have become more and more complex, the leaders of the Modern Movement in architecture seem to have lost their way. Their buildings have become almost as complicated, pretentious and idiosyncratic as those of the great Victorians.

Professor Jacobsen's designs, on the other hand, have unusual simplicity and serenity deriving from a wonderful sense of proportion which he seems able to give to all his buildings. These qualities are to be seen in his design for St. Catherine's College. Little

## Bill David (1973, Physics & Fellow by Special Election) on creating energy from thin air

**"Brot aus Luft" – bread from air – Fritz Haber's expression, coined in 1909 to describe the immensity of the impact of his discovery that would change the world. It might have seemed prosaic; all that he had invented was an artificial route for the synthesis of ammonia from its constituent elements, nitrogen and hydrogen. But the reality was that he had created a breakthrough that effectively removed the limit on the amount of fertiliser that could be produced to improve crop yields. Within twelve months, Carl Bosch, a German industrial engineer, had successfully scaled up the operation.**

In 2014, one century later, two hundred millions tonnes of ammonia are synthesised each year using the Haber-Bosch process and Haber's prophetic words have come true. Half of the crops that are grown around the world now depend on the artificial fertilisers produced from ammonia. And it is no exaggeration to say that half of the population of the planet survive today because of Haber's discovery. Consequently, and rather remarkably, almost half of the

nitrogen atoms in our bodies have made the journey through the Haber-Bosch process.

For those of us who studied Chemistry at school, the Haber-Bosch process is familiar, but there is an important history to ammonia that is seldom told. The year is 1943, in the middle of the Second World War, and the events that unfold take place in Belgium. In the preceding October, the state-owned bus company, SNCV, was notified by the occupying German forces that diesel was no

*...consider ammonia-hydrogen mixtures for internal combustion engines, but also to use ammonia as an energy buffer for dealing with the intermittency associated with renewable energy such as wind and solar...*



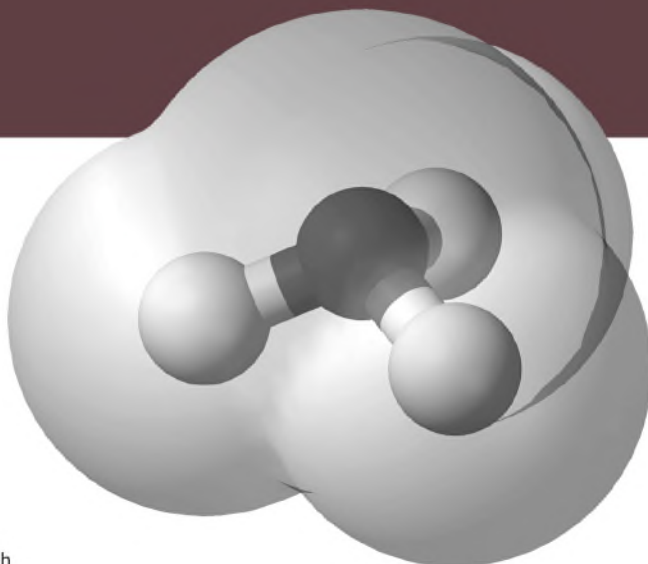
Bill David (1973, Physics & Fellow by Special Election)

longer available for civilian use. One month later, the bus fleet ground to a halt, causing major disruption.

Within six months, the problem was solved by Emeric Kroch, a Belgian engineer and inventor, who oversaw the conversion of the bus fleet to run on a mixture of ammonia and coal gas (which contains 50% hydrogen). The buses operated successfully for tens of thousands of kilometres until the end of the War, when plentiful supplies were available again and the fleet was converted back to diesel. Today, we are looking to pick up this part of the ammonia story again, as



the products of the clean combustion of ammonia are simply nitrogen and steam – no CO<sub>2</sub> emissions into the atmosphere, just air and water.



A number of research groups around the world are working on developing ammonia as a fuel and two of our current projects may end up being a couple of significant pieces of the jigsaw. The first is our discovery of an efficient method for making the Haber-Bosch process work in reverse. This is how we release the energy that is stored in the N-H bonds within ammonia which, in turn, makes it possible not only to consider ammonia-hydrogen mixtures for internal combustion engines, but also to use ammonia as an energy buffer for dealing with the intermittency associated with renewable energy such as wind and solar.

*Model of the ammonia molecule, NH<sub>3</sub>*

Our second project tackles this latter challenge and is an energy-demand-driven pilot study based at the Rutherford Appleton Laboratory where we are using an intermittent renewable energy source, a wind turbine, to produce ammonia that is stored and then combusted on demand to produce electricity.

From a chemical energy viewpoint, ammonia is the quintessential non-carbon hydrocarbon. From an environmental perspective, I believe, at some point in the undefined future, that it will eventually replace fossil fuels and

that the technologies surrounding ammonia will be major contributors to resolving the energy trilemma of reliability, affordability and sustainability. Ultimately, what can be more reliable, affordable and sustainable than "Energie aus Luft und Wasser"! ■

*Fritz Haber, awarded the Nobel Prize in Chemistry in 1918 'for the synthesis of ammonia from its elements'*



# George (Hans) Newman (1943, Modern History)

## honoured by the Austrian Government

**George Newman (1943, Modern History), formerly known as Hans Neumann, has been awarded a highly prestigious medal by the Austrian Government to honour his important contribution to the preservation of Austrian culture.**

In a ceremony held at the Austrian Embassy in London on 20 February 2014, George was presented with the *Ehrenkreuz für Wissenschaft und Kunst* (the Cross of Honour for Science and Art). This was given in recognition of the many rare books and documents that George recently donated to the Austrian National Library, the majority of which were brought out of Austria in 1938 during the Nazi occupation by members of his prominent Jewish family. The Austrian National Library described George's generous donation of this family archive as a 'symbolic return'.

George fled his hometown of Vienna in 1938 at the age of fourteen, shortly after the Anschluss. He came to Oxford where he first attended Magdalen College School, followed by St Catherine's College, with interruption for war service in the RAF. The collection

includes more than fifty first editions by Austrian authors including Franz Werfel, Arthur Schnitzler, and Felix Salten (the creator of *Bambi*). They were published by the Austrian publishing house Paul Zsolnay Verlag, for which George's father worked. Many of their works were prohibited and frequently destroyed by the Nazi regime.

George's aunt, Lena, brought much of the family's archive to England with her when she left Vienna in 1938. George's father was detained in a Viennese prison for several months following the family's flight from Austria. His poem from prison, transcribed in a letter, and his cell-mate's response smuggled out on a scrap of laundry paper, all form part of George's collection.

Commenting on the medal, George said 'I am one of the last living links to the cultural world of pre-War Vienna. In March 1938, when I was fourteen years old, this world was destroyed, along with many of the people, books, and manuscripts. I felt compelled to keep these relics of this pre-War world carefully for more than seventy years: some of the manuscripts



George (Hans) Newman (1943, Modern History)

and books are all that survive of that world. I hope that the honour I have received will help the next generation to understand the significance of what I have tried to do.'

George went on to have a very successful career in the international music publishing world and he is a keen lifelong violinist, viola player, and opera-goer. Now aged ninety, George has written his family memoir entitled *Finding Harmony: A Family's Journey across Europe and Beyond*, which covers his experience of the Austrian Anschluss, his subsequent escape from the Nazi occupation, and his time at Oxford. The book can be found on Amazon. ■



# News in Brief

**Michael Piraino (1986, Law)** has been named in the prestigious *The Nonprofit Times* 2014 Power & Influence Top 50 list of honourees, which recognises the non-profit sector's most influential leaders. Michael is the Chief Executive Officer of the National Court Appointed Special Advocates for Children Association, which has established a network of 77,000 volunteers to help 243,000 abused and neglected children find safe permanent homes.

**Rustam Stolkin (1993, Engineering Science)**, Senior Birmingham Fellow in Robotics at the University of Birmingham, is leading a new €6.4 million research grant, awarded by the European Commission Horizon2020 programme. The Robotic Manipulation for Nuclear Sort and Segregation (RoMaNS) project seeks to develop both autonomous and human-operated robots for handling the UK's legacy radioactive waste, perhaps the largest environmental remediation project in the whole of Europe. In particular, the project will develop robots for processing the 1.4 million cubic meters of unsorted medium-level radioactive waste which cannot

be handled by humans. Rustam is overall coordinator of the international RoMaNS consortium, which includes UK and French nuclear agencies as well as leading French and German robotics institutes.

**Michael Sommerlad (1953, Modern Languages)** won gold at the 2014 Pontevedra ITU Standard Distance Duathlon World Championship in June. The competition comprised an initial 10k run, followed by a 40k bike ride, and a further 5k run. Michael competed in the 80+ category and finished first, making him the current World Duathlon Champion in his age category.



Michael Sommerlad (1953, Modern History), the current World Duathlon Champion in the 80+ age category

**Piers Torday (1993, English)** has won the prestigious 2014 Guardian Children's Fiction Prize for his latest children's novel *The Dark Wild*, the sequel to his debut children's novel *The Last Wild*. The book is described as '... an adventure boldly imagined and brilliantly executed: full of suspense without ever sacrificing warmth and wit' by **Kate Rundell (2005, English)**, who is one of this year's judges.



**Mark Miodownik (1988, Metallurgy)** has won the Royal Society Winton Prize for Science Books for his book *Stuff Matters: The Strange Stories of the Marvellous Materials that Shape our Man-made World*. Chairwoman of the judges, Professor Nicola Clayton, from the University of Cambridge, said the work was enthralling and written with 'great passion and insight'. Previous winners have included Stephen Hawking and Bill Bryson. ■

# College Events 2015

<i>Saturday 7 March</i>	<b>Degree Day</b>
<i>Saturday 14 March</i>	<b>Parents' and Freshers' Lunch</b>
<i>Friday 17 April</i>	<b>Oxford Inter-Collegiate Golf Tournament</b>
<i>Friday 24 April</i>	<b>Meeting Minds Alumni Weekend in Europe: Vienna</b>
<i>Saturday 25 April</i>	<b>Lunch for Legators</b>
<i>Saturday 6 June</i>	<b>Degree Day</b>
<i>Monday 8 June</i>	<b>London Party 2015</b>
<i>Saturday 20 June</i>	<b>Parents' and Second Years' Garden Party</b>
<i>Saturday 27 June</i>	<b>Gaudy for 1973-1982 Matriculands</b>
<i>Saturday 11 July</i>	<b>Degree Day</b>
<i>Friday 24 July</i>	<b>Degree Day</b>
<i>Saturday 25 July</i>	<b>Degree Day</b>
<i>Friday 31 July</i>	<b>Degree Day</b>
<i>Saturday 1 August</i>	<b>Degree Day</b>
<i>Saturday 19 September</i>	<b>Degree Day</b>
<i>Saturday 7 November</i>	<b>Degree Day</b>

To book your place on any of these events, please contact:

Email: [development.office@stcatz.ox.ac.uk](mailto:development.office@stcatz.ox.ac.uk)

Tel: +44 (0)1865 281 596

Check the College website [www.stcatz.ox.ac.uk](http://www.stcatz.ox.ac.uk), and [www.facebook.com/stcatz](http://www.facebook.com/stcatz) for details.

## London Party 2015

Monday 8 June 2015, 6.30 – 8.30pm

### The Worshipful Company of Innholders

Innholders' Hall, 30 College Street,  
EC4R 2RH

The venue for this year's London Party will be the Innholders' Hall. Invitations will be sent out to those living in London and the Home Counties. If you live outside this area, but would still like to attend, please contact the Development Office directly.

E: [development.office@stcatz.ox.ac.uk](mailto:development.office@stcatz.ox.ac.uk)

T: +44 1865 281 596

*It is always a delight to catch up with alumni – new and old – at our annual London Party; it was splendid to see so many of our matriculands from the new millennium at last year's event, and I can only hope for the same again this spring...*

The Master, Professor Roger Ainsworth



# Dean Kitchin Circle Lunch 2015 Lunch for Legators

Saturday, 25 April 2015

12.30 – 2.30pm St Catherine's College

We are delighted to be hosting our biennial Lunch for Legators in College in April 2015. We are exceptionally grateful to our alumni and friends who make this most personal of gifts, and choose to remember St Catherine's in their Will. Invitations will be sent out in early 2015.

If you are remembering Catz in your Will, and we are not aware, please don't hesitate to inform us so that we can update our records. ■



## The College Time Capsule

The College Enigmatist, **Chris Maslanka (1973, Physics)**, offers the next clue, in a series of 50, to the contents of the time capsule buried underneath St Catherine's College . . .

**Entry will cost you 32.5p– in old money**

The clues so far:

1. Two thirds of my number is one and a half times what I am.
2. Pooh in 1927, true of us today?
3. Do they belong to longevity?
4. The first 6000 flowers.
5. A good hiding...
6. Six of one and half a dozen of the other.
7. Initially he found like an insect...
8. Bovine comes to river
9. To each his own
10. Do men gather grapes of thorns...
11. List: Order half a dozen pears. Ordered.
12. Entry will cost you 32.5p– in old money

## Update Your Email Address

We are increasingly sending event invitations via email. It would therefore be much appreciated if you could ensure that we have an up-to-date email address on file for you. You can update your details using the enclosed update form, or by visiting the Alumni & Development section of our website [www.stcatz.ox.ac.uk/update-your-contact-details](http://www.stcatz.ox.ac.uk/update-your-contact-details)

If you do not have an email address, please ensure that we have your up-to-date postal address and we will ensure that you receive relevant invitations this way.

# Eleanor Stride Fellow & Professor of Engineering Science on Drug Delivery Engineering, the Institute of Biomedical Engineering, and the Oxford Centre for Drug Delivery Devices



Despite extraordinary advances in the development of new drugs and biotechnology, cancer continues to represent one of the leading causes of death worldwide. In many cases the problem lies not with the drugs but rather the difficulty in successfully delivering them to the site of a tumour. In healthy tissue there is a regular structure of blood vessels supplying oxygen and nutrients to cells, which divide and grow at a steady rate. In cancerous tumours, however, cell division and growth is unregulated, leading to a chaotic vessel structure and regions of tissue with little or no blood supply. Consequently, when drugs are ingested or injected into the blood stream not all parts of the tumour are treated and there is a high risk of recurrence. Compounding this, in many tumours there is a pressure gradient that resists uptake of drugs from the blood vessels so that only a very small fraction is actually delivered. The rest of the drug circulates and is eventually absorbed by healthy tissue, often leading to intolerable side effects.

One of the major goals of the research being carried out in the Oxford Institute of Biomedical Engineering (IBME) is to develop new methods for delivering anti-cancer drugs that overcome these barriers. Whilst engineers are perhaps more commonly thought of in the context of large construction projects, it is precisely the same combination of applied science and problem solving that we are utilising in our work. There is a formidable series of challenges to address. First, encapsulation of the drug is important to avoid interaction with healthy tissue and/or deactivation before reaching the tumour. Second, in order to maximize concentration of the drug in the tumour we need a means of localising the encapsulated material after it has been injected. Third, we need a mechanism for releasing the drug “on demand” once it has accumulated within the tumour. Fourth, we need to ensure the released drug is distributed uniformly throughout the tumour volume; and finally,

we need to be able to monitor the treatment from outside the body.

Our team at the IBME has developed a range of new techniques for creating micro and nanoscale particles into which drugs can be incorporated with a high degree of precision. A key requirement is that the resulting particles can be activated after they have been injected to control the release of the drug. We exploit a range of different phenomena to achieve this, including materials that are sensitive to the pH change within a tumour, materials that break down upon heating or undergo a phase change (e.g. from a solid to a liquid or liquid to a gas). One of the most versatile means of triggering drug release is ultrasound. Widely used as an imaging method it is completely non-invasive and, unlike light or heat can be tightly focused deep within the body to produce highly localised effects. In order to produce particles that are ultrasound responsive it is necessary to incorporate gas



and/or a volatile liquid within them. Upon exposure to ultrasound, the gas/liquid will undergo a rapid expansion forcing the drug out of the particle.

This process results in the generation of a pulsating gas or vapour bubble that has several further significant benefits for drug delivery. The motion of the bubble produced by the ultrasound field helps to drive the drug out of the blood vessels and deep into the surrounding tumour. We have shown that bubbles can push drugs up to 4 times deeper into tissue than they would normally diffuse, sufficient to achieve uniform distribution throughout a tumour. In addition, there is a growing body of research that shows the permeability of the cancer cells themselves is increased by exposure to microbubbles

#### *Nanobubbles*



*Eleanor Stride, Fellow & Professor of Engineering Science, whose research is principally based on revolutionary new methods for delivering chemotherapy drugs*

and ultrasound thereby increasing uptake of the drug and ultimately cell death. Lastly, the motion of the microbubbles produces a secondary ultrasound signal that can be detected outside the body allowing their location and activity to be continuously monitored, providing real time feedback on the progress of the treatment.

Our aim over the next five years is to translate these developments into clinical use. We have been extremely fortunate this year to have been awarded a major new programme grant, in collaboration with the Departments of Oncology, Clinical Pharmacology and The Nuffield Department of Surgical Sciences to form the Oxford Centre for Drug Delivery Devices supported by the Engineering and Physical Sciences Research Council and very generous contributions from industrial sponsors. The work will focus on improving the delivery of four classes of drug that

have shown enormous potential but whose efficacy is currently significantly hindered by poor tumour uptake and/or unacceptable side effects. We will combine our expertise in encapsulation and the use of ultrasound and shockwaves to achieve localised release and delivery with advanced imaging techniques for treatment monitoring. In addition we will investigate new strategies for improving treatment localisation, including the use of magnetic bubbles that can be concentrated at a target site using an external magnet as well as 'tagging' particles with molecules that enable them to bind specifically to cancer cells. The first three years of the centre will concentrate on optimising the encapsulation process and understanding the biophysical mechanisms by which delivery occurs. The final two years will involve scaling up fabrication of the drug loaded particles and pre-clinical testing, preparatory to commencing clinical trials in 2020. ■

# Matthew McGilvray Lecturer, Peter Ireland, Fellow & Donald Schultz Professor of Turbomachinery, and Richard Morgan (1970, Engineering) on the Hypersonic Research at Oxford's Osney Thermofluids Laboratory

A substantial grant from the Engineering and Physical Sciences Research Council and the UK Aerodynamics Centre has recently allowed Oxford's Department of Engineering to invest in its hypersonic test facilities. This ground-breaking research is being led by Catz Lecturer and Senior Fellow in Hypersonics at the Department of Engineering, Professor Matthew McGilvray, who is working in partnership with Catz Fellow and Donald Schultz Chair in Turbomachinery Professor Peter Ireland and colleagues at the University of Queensland.

The £13.3 million funding package, which will allow for wind tunnels to be developed at seven UK universities, has allowed for the installation of the UK's highest speed wind tunnel at Oxford: the T6 Reflected Shock Tunnel. This wind tunnel should be operational by early 2015, and will allow for research to be performed at speeds of up to 6 km/s (over 13,000 mph). The facility couples the T3 free piston driver, designed by Professor Ray

Stalker who pioneered the technology, with the barrels, nozzles, and test section from the Oxford Gun Tunnel, and is housed at the Osney Thermofluids Laboratory.

Hypersonics is the field of very high speed aerodynamics, and is encountered when the relative flow speed exceeds approximately five times the speed of sound, Mach 5; this equates to 4,000 mph at sea level. This field of research is of particular interest to aerospace engineers working on space vehicles and propulsion systems.

*The T3 piston driver*



Re-entry from lunar orbit, as in the Apollo missions, occurred at Mach numbers in excess of 20. Future high-speed transport planes, like that proposed by Reaction Engines, will fly at Mach 5 and above.

There is a strong Catz axis to the development of the hypersonic facility at Oxford, which is being undertaken as a collaborative research programme with the University of Queensland. Support is coming from Catz alumnus Professor **Richard Morgan (1970, Engineering)**, Director of the Centre for Hypersonics at Queensland, and former Catz Lecturer Professor David Mee, Head of the School of Mechanical and Mining Engineering at Queensland. The current project reinforces the close partnership between the research groups at Oxford and Queensland, which stretches back to the 1960s when Catz Founding Fellow, Donald Schultz, collaborated with Professor Ray Stalker of Queensland, who designed the T3 driver which is being used in the T6 Reflected Shock Tunnel hypersonic facility. This partnership has allowed for a generous cross-fertilisation of ideas over the years, and the development of the T6 facility looks to cement the relationship for the next generation of aerospace researchers.



The T6 facility creates extreme flow conditions through a cascade of high energy processes. This requires a high temperature and pressure driver gas to shock heat the test gas to temperatures above 5,000°C, hotter than the surface of the sun. The chemical mixture of the test gas matches the planetary atmosphere of interest. The driver gas is provided by the T3 driver, which operates by rapidly compressing a light gas, such as helium, with a free-piston compression over a stroke length of 6.5m. The two gases are initially separated by a diaphragm, typically a steel plate 1–5mm thick, which is ruptured by the huge pressures generated in the driver. The shock heated test gas is expanded through a contoured nozzle over appropriately scaled models to investigate aerodynamics and heat transfer to the vehicle.

Due to the high kinetic energies involved in hypersonic flows, interesting physical and chemical phenomena occur, including the creation of extreme temperatures in the gas in front of space vehicles during braking manoeuvres, which in turn results in the gas chemically dissociating and ionising. Aerospace engineers need to account for these effects, creating a need for fundamental research to understand the underlying physics.

Ideally, researchers would simply fly test models and probes to measure these characteristics.

However, this is prohibitively costly and does not allow for detailed measurement of the flow field around the vehicle. Aerodynamicists rely upon wind tunnels, where they can test scaled models quickly and efficiently. For hypersonic wind tunnels, the power and structural requirements become extreme, in some cases requiring more power than generated by the Hoover Dam. Thus, researchers use impulse flow facilities, where appropriate flow conditions can be produced for very short durations. This requires the development and application of advanced measurement techniques to allow quantitative assessments of the flowfield.

The main focus of the Oxford hypersonic research will be the investigation of the fundamental flow physics involved in hypersonic space vehicles. One of the current research interests is to study the behaviour of the boundary layer, which is the slow speed gas around the vehicle, specifically from a laminar to a turbulent state for high speed re-entry. Turbulent flow is characterised by chaotic motion of eddies, and results in higher heating loads and aerodynamic drag. This research will feed into the design of future space missions to allow for more scientific outcomes by reducing the lift-off mass required for the thermal protection system.

The Osney Thermofluids Laboratory has a second hypersonic facility, the High Density

Tunnel. Professor Peter Ireland was able to procure the facility for the University in 2012. This facility differs from T6 tunnel by allowing for much longer test times needed for aerodynamic investigations at the cost of flow speed. This wind tunnel was first installed in Farnborough in the 1960s, and was converted to its current mode of operation in the early 1990s. The modifications heavily involved Catz Emeritus Fellow and Fellow of the Royal Academy of Engineering, Professor Terry Jones, whose elegant engineering is evident in the axial plug valve design which was incorporated into the tunnel.

Other Catz alumni involved in hypersonic research include Professor **John LaGraff (1966, Engineering)**, who joined Professor Donald Schultz in the early 1970s to design Oxford's first Gun Tunnel, and Dr **Andrew Owen (1991, Engineering)** who used the Oxford Low Density Tunnel (now being re-commissioned in the Osney Laboratory) to research the drag on satellites in high earth orbit.

Catz is very proud of its strong role in the Engineering Department, particularly in the field of high-speed flow and heat-transfer research for aircraft propulsion in the UK. The new wind tunnels will enable the College to build on its remarkable heritage in researching the science of hypersonic flow. ■

# Ben Bollig Fellow & Tutor in Spanish on his trip to meet Honorary Fellow, Nicanor Parra, who recently celebrated his 100th birthday

Nicanor Parra, who celebrated his 100th birthday in September 2014, is one of Latin America's most influential contemporary writers. Alongside Pablo Neruda and Gabriela Mistral, he forms part of a trio of Chile's greatest modern poets. Running parallel to his creative writing, Parra forged a career as a scientist and university teacher, studying Mathematics and Physics in Chile and at Brown University in the United States. In the 1940s he came to Oxford to conduct research in cosmology. Parra was a member of the St Catherine's Society and, like the Nicaraguan poet Ernesto Cardenal, is an Honorary Fellow of the College.

As well as teaching Maths and Physics for many years at universities in Chile, Parra's career as a poet spans eight decades. He was born in 1914 to what would become one of the most influential artistic families in Chile. Violeta, Nicanor's sister, a musician and artist, was a central figure in the Chilean folksong revival. His daughter, Catalina, is a renowned visual artist. Violeta's children, Ángel and Isabel, are highly respected singer-songwriters within the Chilean tradition.

Parra's poetry has come to be associated with one word, "antipoesía" [anti-poetry], a term drawn from the title of his epoch-making 1954 collection *Poemas y antipoemas* [*Poems and Antipoems*]. The word has become shorthand for the iconoclastic, anti-establishment ethos of Parra's writing. Parra writes in colloquial language, attempting to include the everyday and the prosaic in poetry. He penned the short poem, "Todo es poesía, menos la poesía" [Everything is poetry except poetry]. This and other pieces offered an attack on "Poetry" as a part of the system, Poetry with a capital "P" – the official poetry of prizes, readings, and

national homage. At same time it highlighted the importance of experiences often overlooked by both the lyric and the epic.

There are two striking aspects to Parra's work: firstly his ability to write in a form that very faithfully recreates language as it used every day; and, secondly, his direct assault on prevailing literary models. He aimed to write poetry that would be, in lexical and syntactic terms, within the reach of the majority of the public. Popular music, not least the traditional *cueca* style, provides the rhythm for many of his compositions. But at the same time he eschewed the moralising and didacticism that would mar much contemporary social and politically-committed poetry, instead using humour, nuance, and irony as tools for critique.

Parra's writing demonstrates his ear for the phrasing and rhythms of contemporary speech and text, from the conversation on the street corner to the radio news broadcast or the clichés of popular romance. In the collection *Temporal*, written in the 1980s, during the dark days of the Pinochet dictatorship, and only recently able to be published, Parra





produced a polyphonic, almost ethnographic, soundscape of contemporary reactions to an impending natural disaster in Santiago, an indictment of the incompetence of the regime and the ignorance or complicity in which much of the population was obliged to live.

Parra directed satires against his predecessors, in particular Neruda and Mistral, whom he ridiculed to great effect. But his poems also include sarcastic depictions of himself, both Parra the man and Parra's poetry. The "anti-" in Parra's anti-poetry is perhaps best understood as a refusal to let poetry harden into an accepted genre or a set of precepts for writing, while at the same time never allowing the author to take himself too seriously.

Perhaps despite his provocations, in recent years Parra's work has been widely recognised,

*Nicanor Parra and Ben Bollig*



© Camila Piña

with national and international awards, new and re-editions of his works, a website curated by the University of Chile, and this year museum retrospectives in Madrid and Santiago de Chile. In honour of his centenary, the College presented him with a copy of the anniversary book, signed with a dedication from the Master, Professor Roger Ainsworth.

I travelled to Don Nicanor's house, in Las Cruces, on the Pacific coast, to offer the gift in person. I was in Santiago as part of a visit organised by the Universidad Chileno-Británica de Chile. Anthony Adams, the International Relations Director of the UCBC, arranged the trip, and I was accompanied by Camila Piña, International Relations Secretary.

During the encounter, in his house with its breath-taking views over the rugged Chilean coast, Professor Parra spoke fondly of his time in Oxford. He had undertaken the trip convinced that Sir Isaac Newton was the key figure in western thought. After spending several days in Stratford-upon-Avon, reading the works of Shakespeare, he concluded that he was mistaken, and that in fact it was the Bard who played this central role. As well as showing Shakespearean influences in poems such as his *Individual's Soliloquy*, Parra would later translate *King Lear* into Spanish, a project backed by the British Institute in Chile.

Parra recalled that, as a result of his commitment to literature rather than science, he was briefly threatened with having his funding withdrawn. However, on demonstrating that his reading was paying fruit – by declaiming several soliloquys from Shakespeare's works – he was able to persuade his supervisors that this was time well spent. Blessed with a formidable memory, Parra can still quote whole passages of *Hamlet* and other plays in English verbatim. Based on this experience, he concluded that the most important character trait for a successful time at Oxford was to be as extravagant as possible.

Parra remembered warmly his association with the College – 'never St Catherine's, always St Catz' he insisted. He spoke of his admiration for the first Fellow in Spanish, the pioneering scholar of contemporary Latin-American poetry, Robert Pring-Mill (1924-2005). He recounted summer excursions to the countryside around the city, and on one warm afternoon falling asleep in a farmer's field, only to wake up surrounded by inquisitive or possibly threatening cows. 'They didn't attack', he told me with a mischievous smile, 'because they realised I was a cannibal.' When asked for a tip for a long and healthy life, he recommended a daily dose of Vitamin C drunk from a wooden spoon in a darkened room. ■

# Gervase Rosser Fellow & Tutor in History of Art

on his new book, co-written with Jane Garnett, *Spectacular Miracles: Transforming Images in Italy from the Renaissance to the Present*



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Last year Jane Garnett and I published a book in which we tried to explain the nature and persistence of cults of images considered to be miraculous: pictures and sculptures with the reputation of being able to work medical cures and other supernatural interventions in daily life. *Spectacular Miracles: Transforming Images in Italy from the Renaissance to the Present* (London: Reaktion Books, 2013) is primarily focused on the Catholic culture of Italy, although the phenomenon of a 'real presence' response to images is much more widespread. It is often assumed that such behaviour is typical of an old world, now all but vanished. This is the reason why we, counter-intuitively, chose to concentrate our research on the city and region of Genoa, in northwest Italy: a self-consciously modern society, cosmopolitan and sophisticated – where, nonetheless, image cults continue to flourish.

We have been asked, sometimes in a tone of wonderment, how it was to write a book with one's spouse. Our experience was entirely

happy. Research for the book entailed living in Genoa for a year, eventually acquiring a tiny flat in the then (and to many still) undesirable medieval centre of the city, and returning frequently to deepen our familiarity with Genoa itself and with its hinterland. We spent time in archives and libraries but, unstinting in our



dedication to scholarship, we also took part in festivals in honour of particular miraculous images, and in consequence witnessed spectacular processions and wonderful firework displays and joined in countless *al fresco* dinners with fellow participants.

How can one explain the conviction that an image has spoken, smiled, or worked a miracle? Educated people at all periods have shared these beliefs: they cannot be patronisingly dismissed as the delusions of 'primitive' societies. The answer, we found, lies rather in the texture of local history, and in particular in the way in which stories are first told, then mediated to others. Our book is, in fact, a collection of such stories, and an account of how their telling and re-telling helps to constitute a collective memory and an active cult – even over long periods. The story was still told in the 1960s of a foreign sailor in the early seventeenth century being taken to prison near the city wall overlooking the port of Genoa, whose chains burst apart





as he passed a street shrine, before which his guard kneeled in amazement. The broken chain was left behind the statue to bear witness, for ages to come, to the miracle. The images are often seen as subversive of, and at odds with, authority. In the case of a medieval crucifix in a side altar of the mother church in Sestri Levante, the parish priest in modern times has deliberately resisted a popular tradition which requires all weddings to take place in front of the cross. But local people talk darkly about how marriages forcibly celebrated instead at the high altar have ended in early divorce. Such cults gather momentum and sustain their power not merely through 'belief' but through social interaction. They can be a means of empowerment for those on the margins of society, as is hinted in the photograph which appears on the cover of our book.

A typical instance of the political potential of such a cult comes from the small harbour town of Sori, on the Ligurian coast to the east of Genoa. To this place in 1509, a returning sailor

brought to his home in the suburb of the town a panel painting of the Virgin Mary and Christ Child, which he had picked up on his travels. Very soon word spread that the picture had occasioned a miracle: upon its arrival in the house, the sailor's daughter, who had been dumb from birth, had begun to speak. She announced that she had seen the Virgin Mary in a vision, dressed as in the image. The sailor promptly declared his wish to found a public shrine for the image adjacent to his home. His neighbourhood was separated from the main town by a river, and its inhabitants resented the slighting way in which they were treated by those who lived across the water. The story of the miraculous image, which was formally approved after investigation by the archbishop of Genoa, provided the vindication which the people of this marginal district had been seeking. Conflicts that ensued over the management of the increasingly popular shrine and its image were largely resolved by the creation of a joint annual procession, which continues today. This entails the

carrying of a large float with an image of the Virgin Mary from the principal church into the streets and hinterland of Sori, reaching its final climax at the little chapel of the Madonna delle Grazie. As the image passes, mortars are let off along the banks of the river that divides the town: a deafening and memorable image of the continuing tension which underlies the ritual and of its symbolic resolution in communal festivity.

In July 2014 we were honoured to be jointly awarded the ACE/Mercers' Prize 'for a book which makes an outstanding contribution to the dialogue between religious faith and the visual arts'. The authors of shortlisted titles were invited to a ceremony at the church of St Giles-in-the-Fields in Bloomsbury. The judges made the presentation at a reception in the nave, after which there followed a convivial dinner in the eighteenth-century vestry. We were particularly happy that one of the judges, Frances Spalding, said that the book 'made her look at the world in a different way'. ■

# Barrie Juniper Emeritus Fellow on his apple orchard at the University's Walled Garden at Wytham Woods

Wytham, the settlement at a bend in a branch of the River Thames just outside Oxford, dates back to Saxon times. But what concerns this story is Wytham abbey, originally owned by the Earls of Abingdon, its walled garden built around the 1840s, and the present custodians of that garden, the curators of the University Parks of Oxford.

Colonel Raymond Ffennell had made a lot of money from gold-mining in South Africa and bought the whole estate – the abbey, every house in the village, the shop, and the two farms – shortly after the First World War. He was a man of benevolence and vision, and in the 1920s he built the beautiful arts-and-crafts-style village hall for the residents. He was a prime mover both in the foundation of the Oxford Preservation Trust and the Hill End Camp. Sadly, his only child, Hazel, died in 1939; she is buried in Wytham Woods, which is also part of the estate. That wood lies over a large stretch of an uplifted Jurassic coral reef c.160 million years old, and the quarried coral built most of the village houses, as well as the Saxon walls of Oxford in an earlier era.

In 1943, Fennell gifted the whole village, including the school, the shop, the two farms and the woodland, to the University of Oxford, but with the interesting proviso that all of his tenants could remain in their original dwellings, or on the farms, at their original rents, until they died!

We do not know when the walled garden was built, as all the records from the days of the Earls of Abingdon have disappeared, but one lead wall label, from some long-perished cordon fruit tree, bears the date 1840. The brick walls, over four metres high, have resisted the invasions of the populations of deer in the wood for over 170 years. The walls are studded with thousands of hand-made nails that once pinned the branches of carefully tended (but now long-rotted) wall fruit, such as peaches, nectarines, and plums.

The vinery still has its sun-facing rear wall of white plaster, to reflect the light, and the house itself was built of rejected photographic plates from an abandoned Victorian photographic workshop in the



*Barrie Juniper at his apple orchard at the University's Whytham Woods*



abbey. Just exposed by some recent University work is a complete coke heating unit for two of the greenhouses. The boiler itself, in its purpose-built underground house, is a Pearson-Beeston 'Robin Hood'. We now know that it was deserted when all the outside staff of the abbey went off to war in 1940. None of them ever came back to the abbey garden.

The second phase of the walled garden is less dramatic. In 1996 I was granted a post-retirement Leverhulme Professorship to study the evolution and origin of the 'sweet' apple. Strangely, this was one of the major crops whose history was unknown, although it was suspected to be a hybrid of various 'crabs'. It wasn't.

As I was a curator of the University Parks, I persuaded the other curators to allow me to use a small part of the walled garden, then under somewhat desultory Parks control, as a DNA apple library. I planted old apples (Shakespeare's *Leathercoat*); American apples (*Boston Russet*); French apples (*Reinette Ananas & Orléans Reinette*); German apples (*Holstein*); apples famous in history (*Ribston Pippin*); strange-shaped medieval 'finger' apples (*Lady's Finger of Bledington*) and rare 'cookers' (*Grenadier*).

The Soviet Union had collapsed. Stalin's dumping ground of penal colonies, nuclear-testing sites, and rocket stations of the 'stans' were no longer off-limits to everybody. These 'stans' were more or less welcoming, at last, to strange western travellers with curious interests. So from August 1997 and for the next seven years, thanks to Lord Leverhulme, I collected through all those new republics – Uzbekistan, Kazakhstan, Kyrgyzstan, and Tajikistan – and further east into Xinjiang in China. (But not quite into Afghanistan; my driver and interpreter were not happy, and I a coward!)

Our new DNA laboratory here in Plant Sciences in Oxford sequenced all of the DNA from the leaves that I brought back. Apples love Britain, although their journey here took a long time, with some curious vectors. There are over 2,000 distinct varieties in these islands. They are all, we now know, from the same source, identical to those in the primeval 'fruit forests' still there on the northern slopes of the Tien Shan. They have never hybridised with any of the natives anywhere; they are sexual snobs. 'My' apple trees, somewhat larger now, are still there too in Wytham. Their primary purpose is complete, and they currently feed the 'deserving poor' of certain communities around Oxford... ■

# Obituaries 2014

**JOHN WARCUP CORNFORTH (1939, Chemistry)**, Honorary Fellow of St Catherine's College, has died aged ninety-six. John Cornforth was one of the foremost experts on the way living creatures create

important chemical compounds. He overcame profound deafness to win the 1975 Nobel Prize in Chemistry.

Cornforth, then at Sussex University, shared the Prize with

Vladimir Prelog, then of the Swiss Federal Institute of Technology, for work that essentially describes the roles of enzymes and the three-dimensional structure of molecules in the creation of compounds important to life. Their work helped show how properties of key molecules depend not only on the atoms that make them up, but also on the shapes in which the atoms are arranged.

In particular, Cornforth and Prelog were known for their work in delineating the intricate process of biosynthesis by which

cholesterol is built up in living organisms. Cholesterol, which is carried in the bloodstream, is regarded as one of the keys to the development of heart disease. The prize was awarded to Cornforth "for his work on the stereochemistry of enzyme-catalysed reactions."

In succeeding at the highest levels of science, although deaf, Cornforth could deploy significant assets. A man of powerful intelligence, he consumed books and papers, wrote assiduously and could read lips – at least of people he knew. Those who knew him recalled that in communicating with him, it was necessary to face him while speaking.

Major contributions to his work came from his wife, who had a doctorate in Chemistry. She was, he said, more adept than he in the experiments vital to his work, and she helped him communicate.

The two met while both were Chemistry students at the University of Sydney. Rita Harradence had a piece of laboratory glassware that had broken; John Cornforth had taught himself glass blowing, and his talents were recommended to her. Both won scholarships for further study at Oxford, and it was there a lifelong association began. Each worked at Oxford on steroid synthesis, each earning a doctorate.

John Warcup Cornforth was born in Sydney in 1917. His father was an Oxford-educated teacher of classics while his mother had been a nurse. Signs of deafness began to appear when he was a boy, and he had lost his hearing entirely by the time he was twenty. He had developed an interest in science, Chemistry in particular, in which he thought he could achieve results through reading and doing experiments.

With much of the chemical literature of his time published in German, he taught himself how to read it. Early in life he learned to distrust what he read about science, unless it came directly from scientists. He took pleasure from an early age in finding things out for himself. He would compare what textbooks said to be true with what experiments showed to be true. "I don't believe a word I ever read in any textbook," he said. "I began to see science as a continuous process of discovery and correction and myself as a part of this process." Among the attractions of science, he said, was the chance it offered "to learn from mistakes."

As a boy, Cornforth's introduction to science came through astronomy and observing the stars in the clear Australian night. But rather than merely observe what could not be changed, he found himself drawn to Chemistry and its opportunity for causing change.



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In part, this interest was demonstrated by the laboratory he built at home as a teenager. Part of what drew him to Chemistry, he said, was its sensory allure – “the beauties of crystals and distilled liquids, the colours of dyes and smells, both good and bad.”

During the Second World War he worked on penicillin, returning afterwards to his earlier interest in synthesising steroids. He and Robert Robinson, a Nobel laureate in Chemistry, were credited with carrying out the first total synthesis of the non-aromatic steroids in 1951, at the same time as the American scientist Robert Burns Woodward (another future Nobel laureate). Cornforth retired as a professor at the University of Sussex in 1982.

He had a nickname, Kappa, which stemmed from the Greek letter Kappa, which carries the same sound as the first letter of his last name. The letter was etched on his prized laboratory flasks to prevent them from wandering off.

As well as the Nobel, his honours included the Copley Medal, (which was bestowed by the Royal Society in 1776 on the explorer Captain Cook), and Cornforth recognised in himself and his fellows the venturer into the unknown, where, as he once said, they laboured under the discipline of reality.

For the scientist, he said, truth was less frequently the dazzle of a new world than it was “the uncharted rock that sinks his ship in the dark.”

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#### **ALAN ROY KATRITZKY (1948, Chemistry),**

Honorary Fellow of St Catherine's College, has died aged eighty-five. He was one of the world's most influential organic chemists, and a pioneer in the field of heterocyclic Chemistry – the study of highly important organic molecules possessing rings of carbon atoms, along with other chemical elements, notably nitrogen. Indeed his passion for heterocyclic Chemistry surfaced at Wisbech High School in Cambridgeshire where, at the age of fifteen, he carried out his first synthesis of a heterocyclic compound, the barbiturate drug, Veronal! Over a research career spanning more than sixty years he published more than 2,300 papers and 200 books – a quite remarkable output that was of inestimable value to both the academic community and the agricultural and pharmaceutical industries.



Alan was born in London on the 18th August, 1928. He came up to Oxford as an undergraduate at St Catherine's Society in 1948 and obtained a BA with First Class Honours in Chemistry, and so began a long, fruitful and happy relationship with the College. Don Barton (1948, Geography)

*recalls “...he was a popular member of the Boat Club and rowed in the 1949 3rd Eight, 1950 2nd Torpid, and 1951 4th Eight ... He had a nice sense of humour, and of the ridiculous, and contributed lively interjections to the Saturday evening debates of the Debating Society ... Whilst an undergraduate, Alan was selected to partner Princess Margaret in a dance when she was visiting*

*the University ... whoever was deputed to make the introductions either forgot Alan's surname, or couldn't get their tongue around the spelling, and introduced him to HRH as “Mr Smith”. I'm sure he made the most of this episode in later life!*

His first degree was followed – just two years later – by a DPhil under the supervision of Sir Robert Robinson, who, Alan noted, ‘...I was fortunate to see no less (and certainly no more) than five times for discussion during the two years needed for my DPhil’. During his time at Oxford (1948-1957), he was Senior Demy at Magdalen, Lecturer at Pembroke,

and Commoner at St Catherine's. During this period, his clear conscientiousness as a tutor and his passion for teaching Chemistry became widely recognised and admired. Indeed, undergraduates from other, less fortunate, colleges were envious and clamoured to have tutorials from Alan. Lewis Stevens (1955, Biochemistry) writes, '*...we were thankful that we had benefited so much from him as a tutor*'.

At the end of 1957, Alan left Oxford for Cambridge. He wrote, '*Luckily, Professor Sir Ewart Jones (successor to Sir Robert Robinson) was so extremely anxious that I should leave Oxford to gain good experience elsewhere, that he wrote an uncommonly glowing letter of recommendation to Lord Todd*' (Todd was Professor of Organic Chemistry at Cambridge). There, Alan became a Founder Fellow of the then-new Churchill College.

In 1962, at the age of just thirty-three, he was appointed as first Dean of the School of Chemical Sciences of the then-new University of East Anglia. Alan rapidly set about to organise and build up a school of high international distinction. In 1980 he became the Kenan Professor of Chemistry at the University of Florida and quickly established, arguably, the world's leading centre for Heterocyclic Chemistry. The Katritzky family also founded a free online journal, *Arkivoc*, that provided

researchers in the developing world with a vehicle in which to publish their work.

Alan was the recipient of numerous national and international awards: he was elected Fellow of the Royal Society in 1980, and received the Tilden Medal of the Royal Society of Chemistry, the Robert Robinson Lectureship of that society, and the Cope Award of the American Chemical Society.

Alan always cherished his close links with St Catherine's, and he generously endowed three undergraduate prizes at the College as well as establishing the Katritzky Lectures – annual public lectures given by a distinguished chemist, historian or art-historian, all subject areas studied – and much beloved – by Alan and his children. In recognition of his distinguished academic career and close links with the College, Alan was elected to an Honorary Fellowship of St Catherine's in 2005.

Alan's friends and colleagues will remember him as forceful, direct and resolute in his professional life; his commitment to his science, and his support to his many students, co-workers and collaborators was total. In his 2013 introductory '*Overview*' to new members of his research group at The Florida Center for Heterocyclic Compounds, Alan wrote, '*Members of the group are expected to work*

*50+ hours per week and enjoy it*'. In his own '*Highlights from 50 Years of Heterocyclic Chemistry*', under a picture of a welcoming, sun-drenched landscape, Alan wrote the caption '*...Beach in Florida – nobody should work more than 100 hrs/week!*' Of such non-nonsense work and study regimes, Alan noted wryly '*...I know how much they (his students) will appreciate it later, if not always at the time*'.

Alan Katritzky created a wonderful, lasting legacy in Chemistry, with his visionary approach to teaching and research at the highest levels, his working philosophy, and his wit – always delivered with warmth and a twinkle in his eye. A close colleague, Professor Laszlo Prokai, wrote of Alan '*... fostering generations of excellent scientists and addressing the future of education and research eloquently*'.

I count myself extremely privileged and thankful to have got to know Alan over these past five years, and in my interactions with him to recognise and appreciate his great passion for Chemistry, and also his all-pervading compassion and warmth.

Alan is survived by his wife, Linde, his daughters Margaret Katritzky, Erika Jackson and Freda Gonot Schoupinsky, his son-in-law Xavier Gonot Schoupinsky, his son Rupert



Katritzky, and his grandchildren Martin Michette, Eric and Elisabeth Katritzky.

*Kindly contributed by Professor Peter Edwards, Fellow and Professor of Inorganic Chemistry. With acknowledgement and grateful thanks to Andrew Thomson, Steve Davies, Laszlo Prokai, Lewis Steven, and Don Barton for their help and assistance.*



**RICHARD  
ATTENBOROUGH,**

Honorary Fellow of St Catherine's College, has died aged ninety. Lord Attenborough was one of Britain's leading actors during the middle

of the century, before becoming a highly successful director. His best known films as an actor included *Brighton Rock*, *The Great Escape* and *Jurassic Park*. His director's CV included *A Bridge Too Far*, *Gandhi*, for which he won Academy Awards as director and producer, in 1982, and *Cry Freedom*, about the death of South African anti-apartheid campaigner Steven Biko. His later films as director included *Chaplin*, starring Robert Downey Jr, and *Shadowlands*, an adaptation of the stage play treating the relationship between *Narnia* author CS Lewis and Joy Gresham.

The celebrated figure had been being cared for full-time by staff at a nursing home where he lived with his wife Sheila Sim, also ninety-two, whom he married in 1945. Earlier this year, his brother the television naturalist Sir David Attenborough, eighty-six, said: 'He is coming up to ninety. He's just not very well.' In 2008, Lord Attenborough suffered a stroke that resulted in a coma lasting several days. He had been in a wheelchair following a fall at his home.

He was born in Cambridge, England, the son of Mary Clegg, who was one of the founders of the Marriage Guidance Council, and Frederick Levi Attenborough, a don at Emmanuel College. Educated at Wyggeston Grammar School for Boys in Leicester, he then went to the Royal Academy of Dramatic Art (RADA), of which he later became president.

His first screen role was as a cowardly sailor in the 1942 film *In Which We Serve*. During the war, he also served in the Royal Air Force. But his breakthrough role was as the psychopathic young gangster, Pinkie Brown, in the 1947 film adaptation of Graham Greene's novel, *Brighton Rock*. On the stage, Attenborough and his wife both appeared in the original production of Agatha Christie's *The Mousetrap*, which became one of the world's longest-running theatre productions.

In the 1960s, he appeared in films such as *Seance on a Wet Afternoon* and *Guns at Batasi*. He won a string of awards for his acting but his greatest success was as a director. His 1982 film *Gandhi* won best picture and he was given the best director award. After a break from acting, he returned to the screen in 1993 as dinosaur park developer John Hammond in Steven Spielberg's *Jurassic Park*.

Attenborough also worked as chairman of Capital Radio, president of BAFTA, president of the Gandhi Foundation, and president of the British National Film and Television School. He was a lifelong supporter of Chelsea Football Club, serving as a director of the club for thirteen years from 1969. Since 1993, he had held the honorary position of Life Vice President.

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**NIGEL LANGLEY GILSON (1940, Modern History)** was born on 11 April 1922 at Holcombe, Somerset. His was a Methodist family, and he was educated at the local Methodist day school, and then at Midsomer Norton County Secondary school. In 1940 he went up to Oxford to read Modern History. Many of his friends were pacifists, and he himself was caught 'on the knife edge of

agonising over what should be the Christian stance' in the early years of the Second World War. In the event he volunteered for the Royal Air Force, served as a navigator in 107 Squadron (Mosquito VI) and was awarded the Distinguished Flying Cross in 1944.

Leaving the RAF after four years' service, he returned to Oxford in autumn 1945, and took his degree. He preached his first sermon at Holcombe while on leave on VE-Day, gained additional experience in leading worship as a member of the students' John Wesley Society in Oxford, and was accepted as a candidate for the Methodist ministry in 1947. Following training at Wesley House, Cambridge, he served in the following circuits: Camelford and Wadebridge, Newark, Salisbury (Greendale), Salisbury (Mabelreign), Selukwe, Filey, and Oxford.

In 1951 he married Mary Brown, and in 1958, now with a family of three daughters, took up an appointment in the Southern Rhodesia District, where his fourth daughter was born. The years in Southern Africa strengthened his commitment to racial and political justice, expressed in later years through involvement with the Black and White Christian Partnership and Asylum Welcome.

Returning to England in 1967, he served as chaplain at Hunmanby Hall, and then as Superintendent Minister in Oxford, before

appointment as Chair of the Wolverhampton and Shrewsbury District in 1975. He was President of the Conference in 1986-87, returning to Oxford for a final year before stepping down in 1989. Deeply committed to peace, to ecumenism and to the World Church, he was a powerful preacher, an efficient administrator and a conscientious pastor.

Increasing physical frailty and the onset of dementia brought challenges in later years, but a growing family continued to be a source of unflinching delight as well as loving support. He died on 29 December 2013, in the ninety-second year of his age and the sixty-sixth year of his ministry.

*Kindly contributed by Mary Gilson.*

#### **TREVOR JAMES BROWN**

**(1941, Chemistry)** BSc MA FRICS, has died aged ninety. In 1940, in the early stages of the Second World War, a civilian corps, the Local Defence Volunteers was formed and, at the age of seventeen, Trevor Brown, on his way to school, stopped at Didcot Police Station and was the first to volunteer. He was given custody of the only machine-gun the Company possessed – he had already won a musketry competition...



Within months he and his lifelong contemporary, James Walker, left Wallingford School to matriculate at St Catherine's Society and became members of the Boat Club. In 1942 they rowed in the Summer Eights in the 1st VIII, with Trevor at bow and James at seven. Over their subsequent lives they retained their loyalty to their alma mater, Trevor sitting on the St Catherine's Association Committee, the Alumni Committee and the Council for Alumni.

Trevor joined the Civil Service and found himself in Royal Ordnance Factories where weapons were stored and some were made: for the first time he witnessed processes the workforce were expected to undertake in sometimes hazardous and potentially unsafe conditions.

He was seconded to the Ministry of Defence at the Atomic Weapons Research Establishment (AWRE) at Aldermaston, as a nuclear chemist. He was again seconded to work as a senior scientific adviser to Anthony Wedgwood Benn – Tony Benn – the Minister of Technology.

On his return to AWRE, he found he had continually to ask his employer to provide safe working practices. By that time, he had entered local politics and had become a Liberal Councillor for Newbury Borough,



Greenham Parish and, finally, Berkshire County Council. In supporting employees, he saw incidents at Aldermaston which he identified as harmful to them, to local residents, and to the environment.

Such circumstances came to a head when he was asked to appear on BBC *Newsnight*, in an episode dedicated to Aldermaston. Trevor took legal advice, and appeared. Things moved swiftly: he was severely reprimanded for his broadcast statements, and he was required to take early retirement. His case against unfair dismissal reached the European Court of Justice and, though supported throughout by Tony Benn, was lost since 'whistle-blowing' was regarded at that time as little short of treason.

But Trevor's resolve, commitment, and energy grew: he became a supporter of the 'Peace Women' at the time of the 'Ban the Bomb' marches. He was also an independent observer of the inquiry into the Hungerford School shooting tragedy, and a member of the Thames Valley Police Authority.

Eventually, an inquiry into AWRE undertaken by Sir Edward Pochin, confirmed that Trevor's concerns had been fully justified, in that several employees had been subject to levels of radiation well above accepted safety limits. Work at Aldermaston was stopped, until new

buildings could be made available: £147 million was invested in them, but the Ministry of Defence in 2006 wrote them off as being not fit for purpose.

At the age of ninety he made the headlines when he received the Liberal Democrats President's Award 'for outstanding lifetime contribution and achievement by any party member who has held public office'.

Trevor married Marie Turner and they had a family of sons, Christopher, Michael, and Philip; they later adopted a fourth son, Vahid, a teenager abandoned in England following a coup in the Middle East. Between them they produced fifteen grandchildren.

At Trevor's funeral on 24 March 2014, a congregation of three hundred was led through the streets to St Nicholas' Church, Newbury, by the Town Crier of Wimborne – Trevor's eldest son, Christopher. Outside, two bands marched, and in the great Church could be heard *The Lark Ascending* and the ineffable beauty of the Bach Double Violin Concerto.

Trevor loved life. 'Dying is no big deal', he said, 'Even the least of us will accomplish that. Living is the trick.' He was a Bunyanesque latter-day Mr Valiant-for-Truth. Remember him.

*Kindly contributed by  
Tony Hancox (1949, English)*

**GERALD (GERRY) GORDON LEWIS HENDERSON (1944, Agricultural & Forest Sciences)** passed away peacefully on 14 March 2014 in his eighty-eighth year, surrounded by loving family members. He will be deeply missed by his beloved wife of fifty-nine years, Beverley, daughters Lynn (Philip) and Tara (Gordon), grandsons Andrew, Stephen, Christopher and Rohan, and his many nieces and nephews. A third daughter, Gail, pre-deceased him.

G.G.L. Henderson was born on 10 June 1926 in the Vernon Jubilee Hospital, British Columbia. After the family's Oyama apple orchard burned down, they returned to Northern Ireland where they operated the Henderson Eadie woolen mill. Gerry and his brothers spent much of their time outdoors, leading him into scouting, where he distinguished himself by reaching the level of King Scout.

Gerry was extremely bright, with a near-perfect memory, which allowed him to excel in his studies at the finest schools. He started at Trinity College, Dublin, and while waiting to be called up to the Air Force, moved on to Oxford University where he found himself to be the only Geology student with seven full-time professors! Gerry continued his studies at McGill (Bachelor's and Master's degrees in Geology), Princeton (PhD in Geology), and Stanford Universities.

Upon graduation from Princeton, his initial work was with the British Columbia Department of Mines where, among other duties, he mapped the Gulf Islands. In 1953, he was recruited by Chevron Canada Resources, where he remained for thirty-four years. His first job, as Field Geologist, meant he spent every May through September leading field parties, mostly on horseback, in the Rocky Mountains. Rising steadily within Chevron, he became Chief Geologist in 1963 and Vice-President of Exploration in 1967, and ended his remarkable career as the first Canadian-born president of Chevron.

Gerry was a leader, equally at home negotiating in the boardroom or leading exploration in the bush. Chevron, under Gerry's leadership, had repeated exploration success with major discoveries at Kaybob South, West Pembina, and Hibernia (the largest offshore oil development in Canadian history). These successes changed the face of the Canadian oil industry for more than a decade. He was admired and respected by employees, industry competitors, and members at all levels of government. In 1986 at the age of sixty he retired from Chevron.

Gerry received innumerable awards and recognitions throughout his career. In 1954, he was awarded the Canadian Society of Professional Geologists (CSPG) Medal of

Merit; in 1973, he was elected a Fellow of the Royal Society of Canada, and in 1985 he received an honorary Ph.D. from Memorial University of Newfoundland. In 1994, the CSPG awarded Gerry its most prestigious award, the Stanley Slipper Gold Medal for a half century of scientific contribution, exploration success, business acumen and love of geology. Gerry's contributions to the science of geology and the industry of petroleum exploration continue to make him an outstanding inspiration in his field.

On retirement, Gerry and Bev relocated to the Vernon area where they enjoyed many years on Kalamalka Lake. He remained active, serving on the Executive of The World Petroleum Congress for ten years, and on a number of charitable society boards, including that of People Place Society, a non-profit in Vernon that provides a base of operation for a variety of charitable organisations.

Gerry's love for life continued in retirement with a focus on his family and the many friends who were fortunate enough to share in his joy, warmth and acceptance. The multifaceted side of Gerry had him thrilled with a bargain, able to create a makeshift cast out of gypsum for a broken finger in the field, and captivate an audience with stories of his life experiences. Throughout

his life he curled, skied, played tennis, hunted, fished, and enjoyed a huge love of golf, which he played to the end. He was a devoted husband and a proud and loving father and grandfather.

*Kindly contributed by Beverley Henderson.*

**JOHN GUINERY (1948, Geography)** came up to St Catherine's to read Geography after two years as a Bevin Boy hewing coal in Kent and Staffordshire – in contrast to most of us at the time, who had served in H.M. Forces. Insofar as we were characterised as hearties or arties, John tended towards the latter, mingling with the OUDS crowd and reporting for the undergraduate magazine *Isis*, which he edited in his final year. He was elected President of the JCR, and wielded a useful bat in the Society cricket team.

On going down, John went to the *Bristol Evening Post* as a reporter in London, later becoming a political correspondent and a member of the Journalists' Lobby in the House of Commons. It was in this capacity that he formed a lifelong friendship with the newly-elected Betty Boothroyd.

After some years in journalism, and married to Beryl, he moved on to Vickers, the arms manufacturer, as head of public relations, based in what is now the Millbank Tower,



and well-placed to maintain journalistic and political friendships at Westminster. He later went on to a similar job with the Independent Broadcasting Authority, after which he retired.

John and Beryl lived three or four paces from the Thames at Staines, but what could have been an idyllic retirement was clouded by Beryl's sudden and premature death, an event from which he never truly recovered. For the next few years much of his time was devoted to looking after his mother-in-law. After her death, John found a new purpose in life as companion and confidant of Betty Boothroyd whilst she was Speaker of the House of Commons, and subsequently, accompanying her to official and informal occasions at home and abroad.

John was a cultured man, well-read and well-informed, and with an inexhaustible fund of lively anecdotes; music was a passion, his enthusiasms ranging from classic New Orleans jazz, blues, and Edith Piaf to opera, and at home his loudspeakers were seldom silent.

Despite deteriorating health during his last decade, he maintained contact with a wide, if diminishing, circle of friends from university days onwards, and was always a loyal and generous supporter of

St Catherine's. Childless himself, he latterly derived much pleasure and comfort from a belated association with the family of his nephew Roger, all Australian citizens. John died in February 2014.

*Kindly contributed by Don Barton (1948, Geography).*

#### **LEONARD ROSELAAR (1948, Chemistry)**

passed away in Jerusalem at the beginning of April 2014 aged eighty-three. Following undergraduate studies at St Catherine's College, he served as an officer in the RAF and subsequently obtained a PhD in Chemistry from Imperial College, London.

He spent most of his working life at what was then the Polytechnic of the South Bank, and when he retired he was the Principal Lecturer in Physical Chemistry. He authored two text books on the subject, one of which was a standard A-level text for many years.

After taking early retirement, he emigrated to Israel in 1990, where he pursued a range of activities and enjoyed the cultural, intellectual, and religious opportunities afforded by the city of Jerusalem.

He is survived by his wife, Pearl, two sons, and twelve grandchildren.

*Kindly contributed by Daniel Roselaar.*

**JOHN BRADSHAW (1949, Theology)** left school in Wembley at the age of sixteen, and chose to take an apprenticeship at Dollis Hill Post Office Engineering Centre, where he was encouraged to undertake part-time study for a university degree (BSc in Electrical Engineering). During these War years, he and his team developed one of the first lightweight Transistor Radios, which they flew out to enemy-occupied France for the use of Resistance Fighters. Having signed the Official Secrets Act, he never spoke about this work until recently.

In 1945 he began teaching Mathematics at Tiffins Boys School in Kingston upon Thames, at the same time studying Psychology (BSc and later Msc, with distinction awarded for a thesis on the development of religious belief in children and young people). His church recommended him for training for ordination in the Congregational tradition, and so in 1949 he entered Mansfield College. In those days, before Mansfield became a full College of the University, St Catherine's offered such a student membership of its Junior Common Room and matriculation as a student of the University, and that is how John came to row in the victorious St Catz 3rd Eight in 1949! He kept a warm affection for the companionship and fun of those days.

After completing the Theology degree course, he spent a year in Chicago as a World Church

Fellow, working successfully on his Doctoral thesis on the interface between psychology and theology, and training as a client-centred therapist under Carl Rogers. Returning to Britain in 1954, he married Muriel Quick, as Somervillian reading Medicine, and together they made an offer to the London Missionary Society to serve with the younger churches overseas.

John became Principal of Malua Theological College in Samoa, supervising its rebuilding and upgrading. (It is now part of the University of the South Pacific.) John was a good linguist, and he chaired the group which produced an updated Bible in the Samoan language, which became the first 'common Bible' in the world for use by both Protestants and Catholics (1965).

After ten years, health issues prompted a return to Britain, and John became a Senior Lecturer in the University of Aston, Birmingham, where he specialised in setting up a degree course in Communications Science and Linguistics, and a postgraduate course leading to a Diploma in Counselling. He also directed the groundbreaking Counselling Centre at Carr's Lane United Reformed Church Centre for five years. He retired from the University in 1983, but continued to serve the local churches as an ordained minister and later on was welcomed

as an Associate Minister in St Gregory's Parish Church in Dawlish, where he worshipped for some twenty years.

John was a man of many parts and skills, but sadly it almost seemed as if his system could no longer cope, and his final years were beset by dementia. He died peacefully in Dawlish, blissfully unaware that the railway that he loved was being washed away in a raging storm at the very same time. He is survived by Muriel and their three children – and the railway has been triumphantly restored!

*Kindly contributed by Muriel Bradshaw.*

#### **ALEXANDER MONTEITH CURRIE (1949, English)**

died in Edinburgh on 24 August aged eighty-eight. The 2014 rating accorded to the University of Edinburgh by the respected publisher QS as 17th equal in the world owes much to the solid foundations laid by Sir Hugh Robson, Sir John Barnett and Sir David Smith, successive vice-chancellors who were superbly supported by Alexander Currie in his pivotal role as University Secretary. Currie was hands-on in guiding the University during the years from 1978 to 1989, a difficult decade for all universities.



Currie was part of the postwar drive to increase student numbers and encourage entry from broader sectors of society. Early in his career he was in the vanguard of developing a centralised and streamlined admissions process. This transparent system – now UCAS – in which students choose universities by completing a simple form is taken for granted. However each university used to jealously guard its processes, producing a complex and bewildering landscape which discouraged many young people and tended to foster elitism. Thousands owe a small debt of gratitude to Currie for championing this important and hard-won democratising innovation.

Currie left Stevenston High School in Ayrshire at fourteen to accompany his father, a chemist who worked in ICI's Nobel division at Ardeer, to go to Penrhyndeudraeth in North Wales, where he had been seconded to take over Cooke's Explosives, which had been absorbed into ICI.

From Porthmadog Grammar School he went to Bangor University for two weeks – and was then called up to serve on the 35,000-ton battleship King George V. Trained in codes, he served in the North Atlantic, and then in the Mediterranean, on HMS Boxer. "I became a man in the seas around Malta," he recalled.



Returning to Bangor in 1948, he achieved First-Class Honours in English Literature in two years, and in 1950 he went to St Catherine's College, Oxford, to do a BLitt supervised by Hugh Trevor Roper on the 1890s poet John Davidson – whose poem *In Romney Marsh* was read at his funeral by Pamela, his ever-supportive wife of fifty-seven years, in Greyfriars Kirk, Edinburgh, on 1 September 2014.

He applied successfully for a junior appointment at Manchester University, under that doyen of university administrators, Vincent Knowles, who made Manchester a breeding ground for many future leading university administrators. It was the entrée to more senior posts at Liverpool, and then Sheffield University, working directly to Sir Hugh Robson.

Herbert Burchall, the long-term and heavyweight University secretary at Liverpool, and Currie's lifelong mentor and friend, told me, "Currie was here between 1962 and 1965, and was too good to remain in a No 2 position. We were delighted that he got the No 1 job at Sheffield, where he helped to build the great University which it now is, and where he began to make his serious contribution to the world of university administrators."

Following Robson to Edinburgh, Currie inherited a traditionally pivotal role. The

previous Vice-Chancellor had been Lord Swann (Michael Swann), Professor of Zoology, who interested himself in the biological sciences, while his predecessor had been the Nobel Prize winner Sir Edward Appleton, who likewise pursued his studies in the physics of the ionosphere.

They had left relations with staff and students to the controversial Secretary Charles Stewart, and Currie's arrival was greeted with relief. Sarah Robson, Vice-Chancellor's secretary for thirty years, told me, "Currie was kind, considerate and thoughtful – but very much in charge. He forged a good relationship with both staff and students."

In 1989 Currie was awarded Sweden's Order of the Polar Star (first class) in recognition of his work in establishing co-operation between British and Swedish universities, and he received two honorary degrees, from the universities of Sheffield and Edinburgh.

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of the Independent.*

**RONALD ARTHUR JOHN AXTELL (1956, Theology)**, born 1933, was brought up in Wembley, although during the Blitz he commuted with his mother back to primary school daily from Redbourn, Hertfordshire. His



first degree was a London University degree in Mathematics taken at Exeter University College, where he started on postgraduate study. His interest in Maths led him to use home computers as soon as they became available. However, having become a Christian from a background without any Christian knowledge or experience whatever, he felt a call to ordination in the Anglican Church.

For ordination training he went to Wycliffe Hall and studied Theology with St Catherine's. During his last long vacation he took a week's course on the intricacies of the Hebrew verb and there met his wife, Jessie, a Classics teacher exploring a different kind of language. They were married during his curacy in Liverpool, where he benefited from two ex-missionary incumbents and an interregnum. The parish was in Anfield, near both football grounds, but their proximity still didn't produce any interest in sport.

Before cars were as computerised as they are now, he enjoyed tinkering with motorbikes and cars (three-wheelers at that stage being all that they could afford) and when they left for Iran in 1962 it was in a Mini. Ron served in the Diocese of Iran for sixteen years in three city churches through the Church's Ministry among Jewish People which owned two schools in Tehran. Several Episcopal Churches had congregations with a large

number of Jewish Christians. When the family left for their two children's later education, Ron was unable to return to Iran since he had taken many tours of foreign and Iranian Christians to Israel, so he was blacklisted by the Revolutionary Government. However, he and Jessie held Persian services in their home in their retirement and supported the large Iranian Christian Church which meets in the church they have attended in Heaton Mersey, Stockport.

A few years of service in Manchester with an interdenominational mission, Christian Witness to Israel, were followed by ministry in two parishes in Manchester diocese. In both he found great support from committed Christians, in the first parish several of them being students who made a point of worshipping with an inner-city church. Many from his various churches have expressed their appreciation of his gentle encouragement of them towards ordination or some fuller lay ministry whether that involved participation in 'up-front' ministry in church or pastoral or evangelistic ministry through daily life and work.

In the last few years he suffered from Multiple System Atrophy, a progressive condition which needs research. It affected his balance and speech, and meant that he was unable to cope with a bout of pneumonia and died on 3 January 2014. He is survived by his wife,

Jessie, and his two children, Jonathan, a software engineer, and Janet, who works in medical research.

*Kindly contributed by Jessie Axtell.*

**RAYMOND CLARK (1965, Mathematics)**

was born and brought up in St Helen's, Lancashire. Educated at Cowley Grammar School in St Helen's, Ray won a place at St Catz, one of a fair few northerners making their way to Alan Bullock's newly founded College. While remaining true to his roots (he was a lifelong Everton supporter), he quickly adapted to College life and represented Catz at table tennis. While never a fully paid-up member of the bar crowd, he was known in the JCR as a dab hand at the other indoor sports of table footie, bar billiards and shove halfpenny.

Upon graduation, Ray opted to remain at College for a further year in order to take the PGCE. He returned to his home ground, taking up a post at King George V Grammar School in Southport, and quickly established himself as a popular and gifted teacher. He remained there for the duration of his career, during





which time the school made the transition to a major sixth form college. For many years he occupied the onerous position of examinations officer, and his care and accuracy in this role was legendary. The number of letters received after Ray's death from former pupils and colleagues over forty years is testament both to his positive influence on their careers and to his teaching skill.

Ray found love late in life and married Lynda when in his forties. Two teenage sons, Ian and James were also thrown into the bargain, and he treated them with the love and kindness befitting his own. He was gifted with a beautiful daughter, Beth in 1993. These factors combined to give a great bloom to his later life. Some of the other parents at Beth's primary school may have wondered about this older father dropping off his daughter, but many did not have to: he had taught them when they were at school. Ray enjoyed and excelled in his role as a father for Beth and both Ian and James.

Sadly Ray was not able to enjoy the long retirement he deserved, since very shortly after retiring he was diagnosed with early onset dementia. Whilst the disease took its toll on Ray, he remained positive, coped admirably, and supported the whole family even during Lynda's battle with breast cancer and the aftermath of her death in 2012. Ray died aged

sixty-seven in May 2014 after an accident in the home. His fun spirit, loving nature and steadfast friendship will be remembered by his family and all those who knew him.

*Kindly contributed by Ian Valentine and Graham Williams (1965, Mathematics).*

**LESLIE THOMAS (TOM) BUTT (1947, Chemistry)**, who died in February, was born in 1924 and brought up in south London where he attended St Dunstan's School. After school Tom got a job in British Drughouses' analytical department, pursuing "a fantasy" as he described it, of being a chemist. From 1943 he served in the Fleet Air Arm of the Royal Navy as a meteorologist and later would be an officer in the Meteorological Branch of the Air Force's Volunteer Reserve.

Both Tom and his elder brother Ronald (1947, Modern History) decided to take advantage of the opportunities for ex-servicemen to study at university. In a rather more informal process than applies now, Tom visited various Oxford colleges in person, seeking admission; at St Catherine's Society the Chemistry don Freddie Brewer told him it was good to have someone with practical laboratory experience rather than the son of a director, and gave him a place. Both brothers came up to St Catherine's together.

Tom was noted for the array of teas he offered his guests. He remained interested in his college and university throughout his life.

Tom pursued his early dream of being a chemist, working at British Cellophane, BICC and then for ICI where he carried out research on rubbers and plastics. It was while working in Manchester for ICI that he met his wife Joyce, a nurse. After some 10 years at ICI he moved to the Rubber and Plastics Research Association (RAPRA) in Shrewsbury, working on patents and as liaison officer, which entailed frequent travel abroad, and remained there until his retirement. He delighted in living in Shrewsbury and it was to be his home for the rest of his life.

He was a man of gentle eccentricities and enthusiasms; a keen gardener, he helped found an Alpine Garden Society in Middlesbrough, and at home his beloved cats ruled the roost. His sympathy with animals led him to become a vegetarian, but he continued to take pleasure in good food and wine. He was also a man with a strong Christian faith, which he practised first as an Anglican and then as a Catholic, and he was a strong supporter of the persecuted church. He remained active and leading a full life until his death. A loving family man, he is survived by his wife, and by his daughters, Alison and Anne and three grandchildren.

*Kindly contributed by Bridget Butt.*

**FRANCIS T. GIGNAC.** Jesuit Father Francis T. Gignac died on June 4, 2014, at Colombiere Center in Clarkston, Michigan, from congestive heart and renal failure. He was eighty-one years old.

Frank was a student at Campion Hall from 1958 to 1964 when he took his D.Phil. He became an expert in early Greek. Although he had never rowed before coming up to Oxford, he was a very active member of St Catherine's College Boat, rowing in the 1st VIII in the summers of 1959, 1960, 1961, and 1962. After his return to Washington, he regularly competed in the Oxford and Cambridge Alumni crew against the Harvard and Yale Alumni crew in their annual races on the Potomac.

Fr. Gignac was born on February 2, 1933, in Detroit. He entered the Society of Jesus on September 8, 1950, in Milford, Ohio. He was ordained on June 14, 1967, at Colombiere College in Clarkston, Michigan, and took final vows on April 22, 1979, in Washington, D.C. Fr. Gignac graduated from the University of Detroit High School in 1950 before entering the Society. As a Jesuit, Fr. Gignac earned a bachelor's degree in Latin (1955), a master's degree in Classics (1957) and a licentiate degree in Philosophy (1957) from West Baden College (via Loyola University Chicago). He earned a doctorate in Greek and Philology from

Oxford University in Oxford, United Kingdom (1964). Fr. Gignac earned a master's degree in Theology from Loyola University Chicago (1968) and an S.T.L. from Bellarmine School of Theology in North Aurora, Illinois (1968).

During regency, Fr. Gignac taught Latin and Greek at St. Ignatius High School in Cleveland (1957-1958). He was professor of Biblical Theology at Fordham University (1968-1974). In 1974 Fr. Gignac became a professor of Biblical Greek and Biblical Studies at Catholic University in Washington, D.C. From 1981 to 2003 he was the Chairman of the Biblical Studies Department. Fr. Gignac was at Catholic University until he moved to Colombiere Center in 2013.

Outside of the classroom, Fr. Gignac did Sunday supply work at St. Nicholas Catholic Church in Laurel, Maryland, for almost forty years and ran marathons. He completed twenty-five Marine Corps marathons; ran the Boston Marathon four times; and finished the Cherry Blossom 10-mile race in D.C. for thirty years.

*Kindly contributed by John Lipscomb (1956, Maths). This obituary first appeared in the National Jesuit ENews (of America).*

## NOTIFICATIONS

Royston Beesley (1936, *Bodleian Programme*)

Ernest W Taylor (1946, *Modern History*)

James M Swinestead (1949, *Chemistry*)

Michael Flinn (1952, *PPE*)

Ioan M Lewis (1951, *Anthropology*)

Ivan Avakumovic (1955, *Social Studies*)

Bryan S Barker (1956, *Engineering*)

Alexander Cochrane (1956, *Physiology, Psychology & Philosophy*)

Edward C Little (1957, *Agriculture & Forest Sciences*)

John G Mortimer (1957, *English*)

Michael J Peel (1957, *Theology*)

Ronald M A Chaplain (1961, *Biochemistry*)

Malcolm J McDonald (1961, *Modern Languages*)

Martin Yates (1961, *Oriental Studies*)

Philip N Smith (1963, *Chemistry*)

Jonathon Oxley Parker (1968, *Geography*)

Peter Smith Sheard (1970, *Geology*)

Peter Artymiuk (1971, *Chemistry*)

John H Greaves (1981, *Physics*)

Baipeng Zhang (1996, *Clinical Medicine*)

Sincere apologies for an administrative error which led to the misplacement of a photo of Geoffrey Arnold (1960, *Zoology*), which appeared in the adjacent column underneath Michael Whelan (1961, *Education*), in the 2013 edition of *The Year*.



# Securing the Future: A Gift to St Catherine's in Your Will

Remembering St Catherine's in your Will is a wonderfully personal way to make a gift to the College. Over the last five years we have received over £1.5 million from Legacies, for which we are very grateful. From funding scholarships for students, to helping finance the construction of award-winning buildings, Legacies play an enormous role in securing the College's future.

We are proud to have a community of over 150 Legators, whose far-sighted generosity gives us confidence that the future of our College will be secured for generations to come.

As St Catherine's is a Registered Charity in the UK (No. 1143817), Legacy donations can help you to reduce the amount of tax that you pay on your estate. Legacies made to St Catherine's College are exempt from Inheritance and Capital Gains Tax in the UK, and are simple to put into effect by adding a codicil or making a revision to your Will. Under current UK Law, those who leave at least 10% of their estate to charity may receive a 4% cut on their Inheritance Tax. Tax reductions may also be possible in other countries.

## The Difference Your Legacy Makes (UK Taxpayers)

Without charitable donation		With charitable donation	
Gross estate	£1,000,000	Gross estate	£1,000,000
Net estate	£675,000	Net estate	£675,000
No charitable donation	£0	Less donation of 10%	£67,500
Taxable estate	£675,000	Taxable estate	£607,500
Less inheritance tax @40%	£270,000	Less inheritance tax at 36%	£218,700
Remaining Estate	£730,000	Remaining Estate	£713,800

For more information about making a bequest to the College, or to request a copy of our Legacy Brochure, please visit [www.stcatz.ox.ac.uk/legacy](http://www.stcatz.ox.ac.uk/legacy) or contact the Development Office at [development.office@stcatz.ox.ac.uk](mailto:development.office@stcatz.ox.ac.uk) or +44 1865 271 705. We would always advise that you consult a legal professional prior to changing your Will.

*Over the last five years we have received over £1.5 million from Legacies ... We are proud to have a community of over 150 Legators, whose far-sighted generosity gives us confidence that the future of our College will be secured for generations to come.*

# Admissions 2014

## Biological Sciences

**Stephanie Akhurst** - Stoke Newington School and Sixth Form, London

**Sarah Attrill** - Peter Symonds College, Winchester

**Emily Baker** - New College, Pontefract

**Victor Cabocel** - Ecole Alsacienne, France

**Samuel Harvey** - St Edward's School, Cheltenham

**Jake Quinn** - Hampton School, Middlesex

**Kieran Thomas** - Castell Alun High School, Flintshire

**Danielle Whealy** - Kingswood School, Bath

## Biomedical Sciences

**Molly Atkinson** - Stamford High School, Lincolnshire

**Emily Hoogkamer** - Wymondham College, Norfolk

**Francesca Murphy** - Thornleigh Salesian College, Lancashire

## Chemistry

**Michael Ahrens** - Truro School, Cornwall

**Christopher Beattie** - Glyn School, Epsom

**Christopher Harrison** - Ranelagh School, Berkshire

**Elena Jarman** - St Albans School, Hertfordshire

**Benedict Keeling** - Brighton College

**Sunil Mahey** - King Edward VI Aston School, Birmingham

**Kieran Paterson** - King's School, Chester

**Jessica Smart** - Kendrick School, Berkshire

**Angus Young** - Cranleigh School, Surrey

## Computer Science

**Stefan Marcu** - Colegiul National Stefan Cel Mare, Romania

**Kieran Sockalingam** - Royal Latin School, Buckingham

**Jiaxing Tong** - U-Link College of Beijing, China

## Economics & Management

**Oliver Balazs** - City of London School

**Chloe Hykin** - Lord Williams's School, Oxfordshire

**Maximilian Kulaga** - Immanuel Kant Gymnasium Muenster-Hiltrup, Germany

## Engineering Science

**Rushab Badiani** - Queen Elizabeth School, Barnet

**Matthew Newton** - Queen Elizabeth's Hospital School, Bristol

**Arnold Ng** - St. Paul's Co-educational College, Hong Kong

**Ruby Sedgwick** - Ashlyns School, Hertfordshire

**Michael van de Noort** - Exeter School, Devon

**Jonathon Witty** - Simon Balle School, Hertford

**Christopher Yates** - Caterham School, Surrey

## English & Modern Languages

**Emma Millington** - Old Palace of John Whitgift School, Surrey

## English Language & Literature

**Fraser Anderson** - Marlborough College, Wiltshire

**James Cameron** - St Paul's School, London

**Jordan Greenwood** - Manchester High School for Girls

**Anna Livesey** - Highdown School, Berkshire

**Samuel Purkiss** - King Edward VI Grammar School, Chelmsford

**Sophie Taylor** - South Downs College, Hampshire

**Sarah White** - Howard of Effingham School, Surrey

**Alastair Wong** - King's College School, Wimbledon

## Experimental Psychology

**Siya Anand** - Cathedral and John Connon School, India

**Emma Hallam** - Kingston Grammar School, Surrey

**Amelia Sellers** - St Paul's Girls' School, London

## Fine Art

**Nathan Caldecott** - Ashton Sixth Form College, Lancashire

**Virginia Russolo** - Yokohama International School, Japan

## Geography

**Matthew Clements** - Coventry Bablake School, West Midlands

**Louise Dandy** - Cirencester College, Gloucestershire

**Caitlin Edwards** - Xaverian Sixth Form College, Manchester

**Matthew Geiger** - Manchester Grammar School

**Emma Goddard** - St Paul's Girls' School, London

**Oscar Hartman Davies** - King's College School, Wimbledon

**Min Seok Kim** - Raffles Institute, Singapore

**Hannah Kinnimont** - Glyn School, Epsom

**Lauren Sabin** - Weald of Kent Grammar School

## History

**Christian Amos** - Watford Grammar School for Boys, Hertfordshire

**George Crummack** - King's School, Macclesfield

**George Duncan** - Perse School, Cambridge

**Zacharias Grader** - Marblehead High School, USA

**James McGowan Stuart** - St Paul's School, London

**Ellen Milligan** - Hemel Hempstead School, Hertfordshire

**Isabelle Monteiro** - Holyhead School, Birmingham

**Joseph Wood** - Bradford Grammar School

## History & Modern Languages

**Alexandra West** - Alleyn's School, London

## History & Politics

**Faith Scott Deuchar** - Highworth Grammar School, Kent

## History of Art

**Abigail Ashford** - Chelmsford County High School, Essex

**Sally Schwartz** - Chapin School, USA

**Emmanuelle Soffe** - Hawarden High School, Flintshire

## Human Sciences

**Amy Clarkson** - Northallerton College, North Yorkshire

**Thomas Humphrey** - Eton College, Windsor

**Lućjan Kaliniecki** - Judd School, Tonbridge

## Law

**Roxanne Boloorsaz-Mashadi** - King Edward VI Grammar School, Chelmsford

**Yearin Cho** - St Paul's Girls' School, London

**Adam Ismail** - Sevenoaks School, Kent

**Josephine Levick** - Worksp College, Nottinghamshire

**Giorgia Litwin** - Cirencester College, Gloucestershire

**Latifah Sat** - Victoria Shanghai Academy, Hong Kong

**Akash Sonecha** - Wyggeston & Queen Elizabeth I College, Leicester

**Joseph Waldron** - North Halifax Grammar School, West Yorkshire

## Law with Law Studies in Europe

**Luke Cackett** - Lord Wandsworth College, Hampshire

**Sanjana Canumalla** - Jakarta International School, Indonesia

## Materials Science

**Kaiyi Chen** - Cambridge International Centre of Shanghai Normal University, China

**Si Yao Du** - Hangzhou Foreign Languages School, China

**Zhangyi Wang** - Blundells School, Devon

## Materials, Economics & Management

**Qingyuan Wang** - Hangzhou Foreign Languages School, China

## Mathematics

**Christopher Coombs** - John Cabot Academy, Bristol

**Katharine Gardner** - Clifton High School, Bristol

**Yue Huang** - Shanghai Guanghua College, China

**Guillermo Pascual Perez** - Colegio Fray Luis de León de Madrid, Spain

**Nick Taylor** - Perse School, Cambridge

**Nicholas Yung** - Brighton College

**Diqing Zhang** - Roedean School, East Sussex

## Mathematics & Computer Science

**Chan Bae** - Korea Science Academy, South Korea



**Mathematics & Computer Science**

**Chan Bae** - Korea Science Academy, South Korea

**Medical Sciences**

**Luke Cotter** - Wales High School, Sheffield

**Olivia Duffy** - Hills Road Sixth Form College, Cambridge

**Natalie Fairhurst** - King Edward VI School, Southampton

**Rachel Frame** - John Taylor High School, Staffordshire

**James McVeigh** - Marlborough College, Wiltshire

**Matthew Williams** - Barry Boys' Comprehensive School, South Glamorgan

**Modern Languages**

**Charlotte Barrie** - Alleyn's School, London

**Paulina Barszcz** - York College

**Jeremy Bosatta** - St Albans School, Hertfordshire

**Joseph Gentle** - Epsom & Ewell High School, Surrey

**George Hames** - Uppingham School, Rutland

**Persis Love** - Dartford Grammar School, Kent

**Charlotte Molony** - King's School, Canterbury

**Matthew Oxley** - King Edward VII School, Sheffield

**Imogen Reeve-Tucker** - Wellington College, Berkshire

**Modern Languages & Linguistics**

**Sian Kelly** - St Peter's Catholic School, Solihull

**Molecular & Cellular Biochemistry**

**Miguel Aracena Velazquez** - Colegio Gran Bretana, Colombia

**Paul Guy** - King Edward VI College, Stourbridge

**Anna Lewis** - Worcester Sixth Form College

**Amelia Lias** - Corsham School, Wiltshire

**Chloe Nettleton** - Hymers College, Kingston upon Hull

**Hannah Webb** - Shrewsbury Sixth Form College

**Music**

**Elizabeth Buckle** - Lancaster Girls' Grammar School

**William Lucas** - King Edward VI College, Stourbridge

**James Orrell** - St Edward's College, Liverpool

**Benjamin Varnam** - Royal Grammar School, High Wycombe

**Oriental Studies**

**Aneeka Bartlett** - St James Senior Girls' School, London

**Jacob Boswall** - Uppingham School, Rutland

**Philosophy, Politics & Economics**

**Anya Boulton** - Prior Park College, Bath

**Marc-Andrea Fiorina** - Lycee International Victor Hugo, France

**Marshall MacLeod** - Dundee High School

**Thomas Mohan** - Brighton College

**Dominic Norcliffe-Brown** - Latymer School, London

**William Spence** - Stockport Grammar School, Cheshire

**Guan You Tan** - Hwa Chong Junior College, Singapore

**Fraser West** - King Edward VI Camp Hill School for Boys, Birmingham

**Physics**

**Daniel Benson** - Felsted School, Essex

**Harvey Jones** - Blue Coat School, Oldham

**Prabesh Krishnakumar** - Latymer School, London

**Katarina Martinovic** - Ackworth School, West Yorkshire

**Maris Serzans** - Rigas State Gymnasium Number One, Latvia

**Andrea Sisko** - Mathematical Grammar School, Serbia

**Peter Stephenson** - Royal Grammar School, Newcastle

**James Willis** - Dr Challoner's Grammar School, Amersham

**Psychology & Linguistics**

**Lotte Coppieters** - Perse School for Girls, Cambridge

**Emma Ruskuc** - Madras College, St Andrews

**GRADUATES**

**Benjamin Abraham** (BA University of Otago, New Zealand),

Master of Science in Global Governance & Diplomacy

**Carlos Acero Casamitja** (Lic Universitat de Barcelona, Spain;

MSc Universitat Autonoma de Barcelona, Spain), Master of Public Policy

**Nana Acquah** (BA Oxford Brookes University), Master of Science in Applied Linguistics & Second Language Acquisition

**Mette Ahlefeldt-Laurvig** (Diplomeksamen Nordjysk Musikonservatorium, Denmark; BA Chelsea College of Art & Design), Master of Studies in Modern British & European History

**Ashish Airon** (BSc University of Delhi, India), Master of Science in Computer Science

**Martina Aleksandraviute** (BA Oxford Brookes University), Master of Science in Modern Japanese Studies

**Niklas Allamand Frijs-Madsen** (BSc Copenhagen Business School, Denmark), Master of Public Policy

**Reta Alonzaian** (BSc University College London), Master of Science in Clinical Embryology

**Ravi Amarnath** (BA University of Western Ontario, Canada; MA Queen's University at Kingston, Canada; JD Dalhousie University, Canada), Bachelor of Civil Law

**Shahira Amr** (BPharm, PhD King's College London; MBA Imperial College London), Master of Science in Experimental Therapeutics (part-time)

**Rory Antcliff** (BA Exeter College, Oxford), Master of Philosophy in Economics

**Angela Anzola de Toro** (BA University of York; MSc St Antony's College, Oxford), Master of Public Policy

**Sarah Rose Aquilina** (BA Cornell University, USA; VS St Catherine's), Master of Studies in English (1900-present day)

**Christophe Assicot** (BA Ecole Supérieure des Sciences Économiques et Commerciales, France), Master of Science in Sustainable Urban Development (part-time)

**Hector Bagley** (BA St Edmund Hall, Oxford), Master of Science in African Studies

**Brittany Barber** (BSc, MD University of Alberta, Canada), Master of Science in Surgical Science and Practice (part-time)

**Olivier Bazin** (BA, MSc St John's College, Oxford; MSc London School of Hygiene & Tropical Medicine), Master of Studies in Mindfulness-Based Cognitive Therapy (part-time)

**Casper Beentjes** (BSc University of Leiden, Netherlands), Master of Science in Mathematical Modelling & Scientific Computing

**Tumi Belo** (BA University of York), Master of Studies in US History

**Luca Bertinetto** (BSc, MSc Politecnico di Torino, Italy), Doctor of Philosophy in Engineering Science

**Isabel Beshar** (BSc Yale University, USA), Master of Philosophy in Medical Anthropology

**William Beuckelaers** (BSc, MPhy Katholieke Universiteit Leuven, Belgium), Doctor of Philosophy in Engineering Science

**Katharine Biddle** (BA Newnham College, Cambridge), Master of Philosophy in Modern Chinese Studies

**Serkan Birgel** (BSc Royal Holloway, University of London; MA King's College London), Doctor of Philosophy in Geography & the Environment

**Luka Boeskens** (BA Keble College, Oxford), Master of Science in Sociology

**Sophie Bolding** (BSc University of Roehampton), Master of Science in Criminology & Criminal Justice

**Philippa Boston** (MA University of Edinburgh), Master of Studies in Mindfulness-Based Cognitive Therapy (part-time)

**Michelle Brummer** (BA University of Winchester), Master of Science in Criminology & Criminal Justice

**Willem Burung** (MA University of London, Drs Cenderawasih University, Indonesia), Doctor of Philosophy in General Linguistics & Comparative Philology

**Lisa Buziek** (Ludwig Maximilian University of Munich, Germany), Diploma in Legal Studies

**Jennifer Byram** (BA Franklin College, Switzerland), Master of Science in Visual, Material and Museum Anthropology

**Katherine Casey** (BA Cornell University, USA), Master of Science in Mathematics & Foundations of Computer Science

**Charles Cavness** (BSc Middlebury College, USA; Diploma, University of Otago, New Zealand), Executive Master of Business Administration (part-time)

**Gayatri Chadha** (BLS, LLB University of Mumbai, India), Bachelor of Civil Law

**Sitthichok Chaichulee** (BEng King Mongkut's Institute of Technology Thonburi, Thailand; MSc Imperial College London), Doctor of Philosophy in Healthcare Innovation Doctoral Training Centre

**Ka Hin Chan** (MEng Imperial College London), Master of Science in Financial Economics

**Man Wai Chan** (BSc Leicester Polytechnic; MSc, PhD University of Hong Kong), Master of Science in Major Programme Management (part-time)

**Georgina Chandler** (BSc University of Exeter), Master of Science in Biodiversity, Conservation & Management

**Abhijeet Chaudhari** (BSc, MSc University of Pune, India; Lincoln College, Oxford), Doctor of Philosophy in Engineering Science

**Yu-Jen Chou** (BSc, MSc National Taiwan University of Science and Technology, Taiwan), Doctor of Philosophy in Materials

**Joon Son Chung** (MEng St Catherine's), Doctor of Philosophy in Engineering Science \*

**Philippa Collins** (LLB University of Birmingham), Bachelor of Civil Law

**Mark Condon** (BSc Newcastle University; MSc St Catherine's), Doctor of Philosophy in Physiology, Anatomy & Genetics \*

**Tom Cook** (BA University of Hull), Master of Studies in Creative Writing (part-time)

**Daniel Copleston** (MSc St Peter's College, Oxford; MBA University of Surrey), Master of Science in Major Programme Management (part-time)

**Alexander Darlington** (BA, MSci Downing College, Cambridge), Doctor of Philosophy in Synthetic Biology Collaboration (EPSRC and BBSRC Centre for Doctoral Training) (DPhil)

**Edward Davies** (BA University of Durham; PGCE University of Bath), Master of Science in Learning & Teaching (part-time)

**Nina Deschamps** (BM BS University of Kerala, India), Master of Science in Paediatric Infectious Diseases (part-time)

**Fraser Dick** (BSc University of Edinburgh), Master of Science in Mathematics & Foundations of Computer Science

**Martin Donlon** (MA University of St Andrews), Postgraduate Certificate in Education - Modern Languages

**Christoph Dom** (BSc ETH Swiss Federal Institute of Technology Zurich, Switzerland; MSc Trinity Hall, Cambridge), Doctor of Philosophy in Computer Science

**Alexei Du Bois** (MSc Pembroke College, Oxford), Doctor of Philosophy in Education

**Florence Duhamel** (MA Université des Antilles Guyane, France), Postgraduate Certificate in Education - Modern Languages

**Bora Durmaz** (LLB Istanbul Universitesi, Turkey), Magister Juris

**Oliver Ebner** (Diplom Karl-Franzens Universität Graz, Austria; PhD Technische Universität Graz, Austria), Master of Science in Mathematical Finance (part-time)

**Caitlin Edgell** (BSc University of Bristol), Doctor of Philosophy in Synthetic Biology Collaboration (EPSRC and BBSRC Centre for Doctoral Training) (DPhil)

**Mirjam Egli** (BA Universität Zurich, Switzerland), Master of Science in Contemporary Chinese Studies

**Nathan Eizenberg** (BSc Monash University, Australia), Master of Science in Mathematical Modelling & Scientific Computing

**Mark Elkinde** (BA Università Commerciale Luigi Bocconi, Italy), Master of Science in Financial Economics

**Freja Elbro** (BSc University of Copenhagen, Denmark), Master of Science in Mathematics & Foundations of Computer Science

**Charlotte Evans** (MB ChB University of Sheffield), Master of Science in Evidence-Based Health Care (part-time)

**Richard Everett** (MEng University College London), Doctor of Philosophy in Cyber Security (CDT)

**Selali Fiamanya** (BA St Catherine's), Bachelor of Medicine & Bachelor of Surgery \*

**Liam Fleming** (BA Oxford Brookes University), Master of Studies in Modern British & European History

**Oliver Fletcher** (BA Yale University, USA), Master of Philosophy in Latin American Studies

**Richard Grabner** (MSc Technische Universität Wien, Austria), Master of Science in Mathematical Finance (part-time)

**Gary Greer** (LLB University of Westminster), Master of Science in Experimental Therapeutics (part-time)

**Ella Gunn** (BArchDes University of Queensland, Australia; LLB Queensland University of Technology, Australia), Master of Science in Refugee & Forced Migration Studies

**Juan Gutierrez Rodriguez** (LLB Pontificia Universidad Javeriana, Colombia; EMLE Erasmus University Rotterdam, Netherlands; MSc St Antony's College, Oxford), Doctor of Philosophy in Public Policy

**Nicolas Hall** (BA University of the Arts London), Master of Studies in Creative Writing (part-time)

**Jill Hanley** (BA Kenyon College, USA; VS St Catherine's), Master of Studies in English (1700 - 1830)

**Mads Hansen** (BSc, MSc University of Copenhagen, Denmark), Master of Science in Mathematical Modelling & Scientific Computing

**Taku Hatano** (BEng, MEng Tokyo Institute of Technology, Japan; MBA Waseda University, Japan), Master of Science in Mathematical Finance (part-time)

**Joseph Hawksworth** (BSc University of Bristol), Doctor of Philosophy in Synthetic Biology Collaboration (EPSRC and BBSRC Centre for Doctoral Training) (DPhil)

**Emily Rose Hay** (MA University of Edinburgh), Master of Science in Criminology & Criminal Justice

**Peter Houlston** (BEng University of Birmingham), EngD Renewable Energy Marine Structures (EPSRC CDT)

**Amir Ibrahim** (MEng University of Glasgow), Doctor of Philosophy in Engineering Science

**Ayumi Igarashi** (BSc, MSc University of Tsukuba, Japan), Doctor of Philosophy in Computer Science

**Ruth Ingamells** (BA Queen Mary University of London), Master of Studies in World Literatures in English

**Gareth Jones** (BA University of Durham), Master of Science in Applied Linguistics & Second Language Acquisition

**Trevon Joseph** (BSc University of the West Indies St Augustine, Trinidad & Tobago; MSc Istituto Universitario di Studi Superiori di Pavia, Italy), EngD Renewable Energy Marine Structures (EPSRC CDT)

**Moctar Kane** (MA Université de Bamako, Mali; BA Rhodes University, South Africa), Master of Philosophy in Development Studies

**Yasumune Kano** (BEcon University of Tokyo, Japan; MBA Imperial College London), Master of Public Policy

**Sebastian Koa** (BA St Catherine's), Master of Science in Nature, Society & Environmental Policy \*

**Sergey Kravchenko** (BSc University of Reading), Master of Science in Computer Science

**Yasmin Kumi** (BSc European Business School University of Economics and Law, Germany), Master of Science in African Studies

**Feng-Chih Kuo** (MD National Defense Medical Center, Taiwan), Doctor of Philosophy in Medical Sciences

**Deepa Kurup** (BTech Kannur University, India), Master of Science in Contemporary India

**Francesco Lanzoni** (BSc Queen Mary University of London), Master of Science in Social Science of the Internet

**Caroline Leclerc** (BA Institut Catholique de Paris, France; Université Paris I (Pantheon-Sorbonne), France), Master of Studies in Literature and Arts (part-time)

**Ian Lim** (BSc University College London), Master of Science in Applied Statistics

**Jacqueline Michelle Lim** (BA University of Queensland, Australia), Master of Science in Sustainable Urban Development (part-time)

**Timothy Lo** (BSc City Polytechnic of Hong Kong, Hong Kong), Master of Science in Sustainable Urban Development (part-time)

**Zhi Lu** (BSc University of Warwick), Master of Science in Applied Statistics

**Rachel Luney** (BA, MSc St John's College, Cambridge), Postgraduate Certificate in Education - Chemistry

**Maria Macaya Marten** (BA Middlebury College, USA), Master of Studies in Modern Languages

**Giulio Malavasi** (Laurea, Laurea Magistrale Università degli Studi di Padova, Italy), Visiting Graduate Student in History (Matriculated)

**Julian Malisano** (BE University of Queensland, Australia), Doctor of Philosophy in Materials

**Musata Matei** (BA University College London), Certificate in Diplomatic Studies

**Michael Matthias** (BA University of California Santa Barbara, USA; MPhil University of Cambridge; MSc University of California Santa Cruz, USA), Master of Science in Sustainable Urban Development (part-time)

**Robert McConnell** (BSc University of Southampton), Postgraduate Certificate in Education - Biology

**Sean McLaughlin** (BA Pontifical University Maynooth, Ireland; DPhil St Benet's Hall, Oxford), Postgraduate Certificate in Education - Religious Education

**Noor Mohamed** (BSc, MSc University of Salford), Master of Science in Sustainable Urban Development (part-time)

**Mmannyana Mokgachane** (BScWk University of Botswana, Botswana), Master of Science in Evidence-Based Social Intervention & Policy Evaluation

**Angharad Monk** (BA University College London), Master of Studies in English (1700 - 1830)



**Amena Munshi** (MB BCh, MSc King Abdouaziz University, Saudi Arabia); PhD Saudi Commission for Health Specialists, Saudi Arabia), Master of Science in Evidence-Based Health Care (part-time)

**Michael Museba** (BSc St Petersburg State University of Technology and Design, Russia), Master of Science in Water Science, Policy & Management

**Valeria Mutc** | Specialist Degree, Lomonosov Moscow State University, Russia), Master of Studies in Modern Languages

**Benjamin Myara** (MSc École Nationale de la Statistique et de l'Administration Économique, France), Master of Science in Mathematical & Computational Finance

**Kirtirupa Nandi** (BSc University of Sheffield), Master of Science in Clinical Embryology

**Shaun Ng** (BA, MEng Hughes Hall, Cambridge), Master of Science in Financial Economics

**Soni Nougata** (BEng Ecole Mohammadia d'Ingenieur, Morocco; PGDip Swiss Federal Institute of Technology, Switzerland; MSc Ecole Polytechnique de Montreal, Canada), Master of Business Administration

**Georgios Ntents** (BSc Aristotle University of Thessaloniki, Greece; MSc University of Surrey; MSc King's College London), Doctor of Philosophy in Population Health

**Corah Ohadike** (BMedSci, BM BS University of Nottingham), Master of Science (by Research) in Obstetrics & Gynaecology

**Naoya Okamoto** (BSc, MSc Keio University, Japan; PhD Conville & Caius College, Cambridge), Master of Science in Modern Japanese Studies

**Aikaterini Orfanidi** (LLB National and Kapodistrian University of Athens, Greece), Magister Juris

**Daniel Ott** (BSc Regis University, USA), Master of Science in Medical Anthropology

**Patrick Outhwaite** (BA University of Bristol), Master of Studies in Medieval Studies

**Aleksander Palikot** (BA, BPhil Jagiellonian University, Poland), Master of Science in Sociology

**Danal Papamaximou** (MA Demokritos University of Thrace Alexandroupolis, Greece; MSc University of Birmingham), Doctor of Philosophy in Renewable Energy Marine Structures (EPSRC CDT)

**Simone Pedemonte** (BSc Università degli Studi di Bologna, Italy; MSc Università degli Studi di Roma, Italy; MPhil St Antony's College, Oxford), Doctor of Philosophy in Economics

**Guilherme Perdigao Murta** (BA Pontificia Universidade Católica de Minas Gerais, Brazil; MA Queen Mary University of London), Doctor of Philosophy in Medieval & Modern Languages

**Patrick Pflanz** (BSc University of Cologne, Germany; MSc Johann Wolfgang Goethe Universität Frankfurt, Germany), Doctor of Philosophy in Biomedical Imaging (EPSRC and MRC Centre for Doctoral Training)

**Aeden Pillai** (BA Tufts University, USA), Master of Philosophy in International Relations

**Kirubin Pillay** (MEng Imperial College London), Doctor of Philosophy in Healthcare Innovation Doctoral Training Centre

**Katherine Porter** (BA University of Bath; PGCE St Catherine's), Master of Science in Learning & Teaching (part-time) \*

**Francesco Prete** (BM BS Università Cattolica del Sacro Cuore, Italy; PhD Università degli Studi di Foggia, Italy), Master of Science in Surgical Science and Practice (part-time)

**Aaron Primero** (BA Colombia University, USA), Master of Science in Financial Economics

**Stephen Proctor** (BSc University of Newcastle), Bachelor of Medicine & Bachelor of Surgery (Graduate Entry)

**Mitra Rahmatzadeh** (BSc Monash University, Australia; MB BCh University of Notre Dame, Australia), Master of Science in Surgical Science and Practice (part-time)

**Emily Rayner** (BSc University of Leicester), Doctor of Philosophy in Clinical Medicine

**Benjamin Remy** (Institut Nationale de Sciences Appliquées de Lyon, France), Visiting Graduate Student in Biochemistry (Matriculated)

**Pdraig Rice** (BSc University College Cork, Ireland), Master of Public Policy

**Jake Richards** (BA Gonville & Caius College, Cambridge), Master of Studies in Modern British & European History

**Henry Richardson Banks** (BA St Edmund Hall, Oxford), Bachelor of Medicine & Bachelor of Surgery (Graduate Entry)

**Gabriella Riley** (BA, DPsy Macquarie University, Australia; MPsychol University of New South Wales, Australia), Master of Studies in Mindfulness-Based Cognitive Therapy (part-time)

**Maria Rodriguez Artega** (BA University of Florida, USA), Master of Business Administration

**Rachel Ross** (BA University of Liverpool), Master of Science in History of Science, Medicine & Technology

**David Rowland** (BA St Catherine's), Bachelor of Medicine & Bachelor of Surgery \*

**Ilze Saleniece** (BA, MSc, MEd University of Latvia, Latvia), Master of Science in Education (Comparative & International Education)

**Niklas Schraml** (BA, MA Universität Wien, Austria; BSc Wirtschaftsuniversität Wien, Austria), Master of Science in Global Governance & Diplomacy

**Maximilian Schulze** (University of Bonn, Germany), Diploma in Legal Studies

**Georgina-Louise Scott** (BSc Brunel University), Master of Studies in Mindfulness-Based Cognitive Therapy (part-time)

**Anwasha Sengupta** (BA, MA Jadavpur University Calcutta, India), Master of Philosophy in Modern South Asian Studies

**Aaquib Shams** (BA University of Western Ontario, Canada), Master of Business Administration

**Naima Sharif** (BSc St Georges, University of London), Postgraduate Certificate in Education - Chemistry

**Rebecca Sherriff** (BSc, MEng University of Leeds), Postgraduate Certificate in Education - Geography

**Melissa Short** (BSc, MB BS Imperial College London), Master of Science in Surgical Science and Practice (part-time)

**Yossi Singer** (BEng, BSc University of the Witwatersrand, South Africa), Master of Science in Neuroscience

**Manooreet Sira** (BSc, MB BS Imperial College London), Master of Science in Surgical Science and Practice (part-time)

**James Smith** (MSc University of Nottingham), Doctor of Philosophy in Biomedical Imaging (EPSRC and MRC Centre for Doctoral Training)

**Matthew Smith** (MSc University of Warwick), Doctor of Philosophy in Cyber Security (CDT)

**Helen So** (BMus King's College London), Master of Studies in Music (Musicology)

**Bethany Sparks** (BA Queen Mary University of London), Master of Studies in English (1900-present day)

**Florentine Stalker** (LLB, LLM University of Leiden, Netherlands; Dipl Magdalen College, Oxford; LLM University of Amsterdam, Netherlands), Master of Studies in Legal Research

**Zhaoyang Sun** (BIOBioMed University of Melbourne, Australia), Doctor of Philosophy in Structural Biology

**James Taylor** (BA St Catherine's), Bachelor of Medicine & Bachelor of Surgery \*

**Yujiro Tazawa** (BA International Christian University, Japan), Master of Science (by Research) in Materials

**Thu Tessier** (Université Paris II (Panthéon-Assas), France), Diploma in Legal Studies

**Minh Tran** (MChem St Peter's College, Oxford), Doctor of Philosophy in Synthesis for Biology and Medicine (EPSRC Centre for Doctoral Training) (DPhil)

**Louise Trowbridge** (MA Centre for Counselling & Psychotherapy Education, London), Master of Studies in Mindfulness-Based Cognitive Therapy (part-time)

**Sean Tull** (MMath Selwyn College, Cambridge), Doctor of Philosophy in Computer Science

**Madeleine Tuz** (BSc University College London), Bachelor of Medicine & Bachelor of Surgery (Graduate Entry)

**Catherine Tyack** (BA University of Bristol), Master of Studies in Slavonic Studies

**Sheona Urquhart** (MPhys University of Edinburgh), Postgraduate Certificate in Education - Physics

**Erkki Vihtala** (BA University of Helsinki, Finland; MSc London School of Economics & Political Science), Doctor of Philosophy in Economics

**Alexis Voegelé** (Université de Nîmes, France), Visiting Graduate Student in Biochemistry (Matriculated)

**Efim Volnov** (MEng Moscow State Institute of Electronics and Mathematics, Russia), Executive Master of Business Administration (part-time)

**Annette Walter-Joergensen** (MSc University of Aarhus, Denmark), Master of Science in Sustainable Urban Development (part-time)

**Jingjing Wang** (BA University of Auckland, New Zealand), Master of Science in Economics for Development

**Tong Wang** (BSc University College London), Doctor of Philosophy in Condensed Matter Physics

**Wujing Wang** (BA Agnes Scott College, USA; Sarah Lawrence College, USA; VS Wadham College, Oxford), Master of Science in Education (Learning and Technology)

**Thom Wetzer** (BA, LLB University College Utrecht, Netherlands), Master of Science in Law and Finance

**Scott Whyte** (BEng, MSc University of Strathclyde), EngD Renewable Energy Marine Structures (EPSRC CDT)

**Emily Wilkes** (BA University of Durham), Master of Studies in Archaeology

**John Williams** (BA Lady Margaret Hall, Oxford; LLB University College London), Bachelor of Civil Law

**Jack Winfield** (BA London School of Oriental & African

Studies), Master of Studies in Global & Imperial History

**Zhihui Yu** (BA Nanjing University of Finance and Economics, China), Master of Science in Economic & Social History

**Lingxi Zhang** (BA Washington University in St Louis, USA), Master of Science in Financial Economics

**Hanning Zhu** (BSc Imperial College London), Master of Science in Applied Statistics

\* indicates graduate of the College

**Admitted to the Fellowship**

**Laura Tunbridge** to a Tutorial Fellowship in Music

**Salvador Mascarenhas** to a Junior Research Fellowship in Philosophy

**Anna Christina De Ozorio (Kia) Nobre** to a Professorial Fellowship in Translational Cognitive Neuroscience





# Master and Fellows 2014

**David B Huffman** (BA Oberlin, PhD California)  
*Tutor in Economics*  
*Associate Professor in Economics*

**Heidi de Wet** (BSc North-West, DPhil Cape Town)  
*Tutor in Pre-clinical Medicine*  
*Associate Professor in Physiology*

**Philipp E Koralus** (BA Pomona, PhD Princeton)  
*Tutor in Philosophy*  
*Fulford Fellow in Philosophy of Mind & Cognitive Science*  
*Fulford Clarendon Associate Professor in Philosophy of Mind*

**Andrew J Dickinson**, BCL, MA  
*Tutor in Law*  
*Professor of Law*

**Ian P J Shipsey**, (BSc Lond, PhD Edin)  
*Fellow by Special Election in Physics*  
*Professor of Experimental Physics*

**Phillip H S Torr**, DPhil (BSc S'ton)  
*Fellow by Special Election in Engineering Science*  
*Professor of Engineering Science*

**Sumi Biswas**, DPhil (BSc, MSc Bangalore, MSc Lond)  
*Junior Research Fellow in Medical Sciences*

**Fiona R McConnell** (BA Camb, MA, PhD Lond)  
*Tutor in Geography*  
*Associate Professor in Human Geography*

**Laura Tunbridge**, BA (MA Nott, PhD Princeton)  
*Tutor in Music*  
*Associate Professor in Music*

**Salvador Mascarenhas** (Lic Lisbon, MSc Amsterdam, PhD New York)  
*Junior Research Fellow in Philosophy*

**Anna Christina De Ozorio (Kia) Nobre**, MA (BA Williams College, MS, MPhil, PhD Yale)  
*Professor of Translational Cognitive Neuroscience*

## HONORARY FELLOWS

**Professor Sir Brian E F Fender**, KT, CMG, MA (BSc, PhD Lond)

**Ruth Wolfson**, Lady Wolfson

**Professor Sir James L Gowans**, KT, CBE, MA, DPhil, FRCP, FRSE

**Sir Cameron A Mackintosh**, KT

**Sir Michael F Atiyah**, OM, KT, MA (PhD Camb), FRSE

**John Birt**, The Rt Hon Lord Birt of Liverpool, MA

**Tom Phillips**, CBE, MA, RA, RE

**Professor Sir Geoffrey Allen**, kt (BSc, PhD Leeds), FRSE, FREng, FRSC, FInstP, FIMMM

**Professor Sir (Eric) Brian Smith**, kt, MA, DSc (BSc, PhD Liv), FRSC, CChem

**Tan Sri Dato' Seri A P Arumugam**, AP, CEng, FIEE, FRAeS, FIMarEST, FInstD, PSM, SSAP, SIMP, DSAP, DIMP

**Peter Mandelsohn**, The Rt Hon Lord Mandelsohn of Foy & Hartlepool, MA

**Sir John E Walker**, kt, MA, DPhil, FRSE

**Professor Noam Chomsky** (PhD Penn)

**Nicholas H Stern**, The Rt Hon Lord Stern of Brentford, DPhil (BA Camb), FBA

**Raymond Plant**, The Rt Hon Lord Plant of Highfield, MA (BA Lond, PhD Hull)

**Professor David J Daniell**, MA (BA, MA Tübingen, PhD Lond)

**Professor Nicanor Parra** (Lic Chile)

**Masaki Orita** (LLB Tokyo)  
**Professor Joseph E Stiglitz** (PhD MIT), FBA

**Sir Peter M Williams**, kt, CBE, MA (PhD Camb), FREng, FRSE

**Sir (Maurice) Victor Blank**, kt, MA

**Professor (Anthony) David Yates**, MA

**Professor Ahmed Zewail** (BS, MS Alexandria, PhD Penn)

**Michael Billington**, OBE, BA  
**Professor C N**

**Ramachandra Rao**, MSc Banaras, PhD Purdue, DSc Mysore, FRSE

**Professor Richard J Carwardine**, MA, DPhil, FBA

**Mark H Getty**, BA

**Simon B A Winchester**, OBE, MA, FRGS, FGS

**Professor Christopher P H Brown**, MA, DipI (PhD Lond)

**Professor John B Goodenough**, MA (PhD Chicago)

**Giles B Keating**, MA

**Peter W Galbraith**, MA (AB Harvard, JD Georgetown)

**Professor Nigel J Hitchin**, MA, DPhil, FRSE

**Professor Graham B Segal**, MA, DPhil (BSc Sydney), FRSE

## EMERITUS FELLOWS

**Ernest L French**, FHCIMA  
**John Ch Simopoulos**, BPhil, MA, Dean of Degrees

**Professor John O Bayley**, CBE, MA, FBA

**Professor Donald H Perkins**, CBE, MA (PhD Lond), FRSE

**John W Martin**, MA, DPhil (MA, PhD, ScD Camb)

**J Derek Davies**, BCL, MA (LLB Wales)

**Professor Peter G M Dickson**, MA, DPhil, DLitt, FBA

**Bruce R Tolley**, MA, DPhil (MA Victoria Wellington)

**Barrie E Juniper**, MA, DPhil, Secretary for Alumni

**Henry C Bennet-Clark**, MA (BA Lond, PhD Camb)

**Professor Daniel W Howe**, MA (PhD California)

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**Sir Ian McKellen**, kt (BA Camb)

**Sir Alan Ayckbourn**, kt, CBE  
**Michael V Codron**, CBE, MA

**Sir Peter L Shaffer**, kt, CBE (BA Camb), FRSL

**Sir Richard C H Eyre**, kt, CBE (BA Camb)

**Thelma M B Holt**, CBE  
**Dame Diana Rigg**, DBE

**Nicholas R Hytner** (MA Camb)

**Stephen D Daldry** (BA Sheff)

**Professor Malcolm L H Green**, MA (PhD Lond), FRSE

**Sir Timothy M B Rice**, kt

**Professor Terence V Jones**, MA, DPhil

**Professor Gilliane C Sills**, MA (PhD Lond)

**Patrick Marber**, BA  
**Phyllida Lloyd**, BA Birm  
**Professor G Ceri K Peach**, MA, DPhil

**G Bruce Henning**, MA (BA Toronto, PhD Penn)  
**Professor Jose F Harris**, MA (PhD Camb), FBA

**Sir Patrick H Stewart**, kt, OBE

**Michael Frayn**, CLit, BA Camb

**Professor John R Ockendon**, MA, DPhil, FRSE

**Revd Colin P Thompson**, MA, DPhil

**Sir Trevor R Nunn**, kt, CBE (BA Camb)

**Meera Syal**, MBE (BA Manc)  
**Professor Sudhir Anand**, BPhil, MA, DPhil

**Sir J Michael Boyd**, MA Edin  
**Professor Peter R Franklin**, MA (BA, DPhil York)

**Gordon Gancz**, BM BCH, MA

## DOMUS FELLOWS

**Sir Patrick J S Sergeant**  
**Melvyn Bragg**, The Rt Hon Bragg of Wigton, MA

**Vee Meng Shaw**, BA  
**Bruce G Smith**, CBE, MA, DPhil, FREng, FIET

**Keith Clark**, BCL, MA  
**Anthony W Henfrey**, MA DPhil

**Roushan Arumugam**, MA  
**Usha Q Arumugam**, MA

**Nadia Q Arumugam**, MA  
**Simon F A Clark**, MA

**Marshall P Cloyd**, BSc Southern Methodist University, MSc Stanford, MBA Harvard

**Søren H S Dyssegaard** (MSc Columbia)

**Surojit Ghosh**, DPhil (BA

Antioch Ohio, MA Toronto)  
**Susan M Ghosh**, MA (MBA, City, MA, PhD Lond)

## VISITING FELLOWS

**Professor Christoph Bode**, Ludwig-Maximilian University of Munich, H15

**\*Professor Mark Cavendish**, University of Western Australia, T15

**\*Professor Sir Richard Friend**, (Hinshelwood Lecturer), University of Cambridge, T15

**Professor Ernest Lim**, University of Hong Kong, T15

**Phillip Morgan**, University of York, T15

**\*Professor Peter Oliver**, University of Ottawa, H15

**\*Professor Niles Pierce**, California Institute of Technology, M14

**Professor Tim Stern**, Victoria University of Wellington, T15

## \* Christensen Fellow

## RESEARCH ASSOCIATES

**Roger Gundie**, BM BCH, DPhil (MA Camb), FRCS (Eng), FRCS (Orth)

**M Felix H Steffek** (Staatsexamen, PhD Heidelberg, LL.M Camb),

Max Planck Visiting Fellow

**James R McBain**, MPhil, DPhil (BA Dubl)

# St Catherine's College · Oxford

Development Office  
St Catherine's College  
Oxford OX1 3UJ  
UK

Telephone: +44 (0) 1865 271 760

Email: [development.office@stcatz.ox.ac.uk](mailto:development.office@stcatz.ox.ac.uk)

[www.stcatz.ox.ac.uk](http://www.stcatz.ox.ac.uk)

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