

# THE BRIDGE

The past, present and future of Queens' College



Issue 3 | Summer 2015



*finis saeculi*  
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## Sarah Cliffe (1985)

During the academic year of 1984-85 the BBC sent a film crew to capture what it was like to study at a Cambridge college; they chose Queens'. The series covered the full spectrum of College life from interview to graduation, and featured porters, bedders, Fellows and students. To celebrate 30 years since the broadcast, one of the successful interviewees, **Sarah Cliffe**, sheds light on the filming and what she's done since leaving Queens'.

Aged only 16, Sarah faced an interview panel comprising the President (Ronald Oxburgh), the Admissions Tutor (John Tiley), and Law Fellow (Richard Fentiman). She amazed them with forceful observations and carefully-presented arguments on the morality of nuclear war. Amidst stunned post-interview comments such as "she has a lot of spirit" and "I don't think she will be an easy pupil", the Fellows awarded her an Exhibition.

Since leaving Queens', Sarah Cliffe has worked for the Congress of South African Trade Unions, the World Bank and the United Nations. She lives in New York with her husband, is stepmother and mother to three sons and a daughter and is currently the Director of the Centre for International Coordination at New York University.

## Where are they now?

### What do you remember about the filming?

I have a vivid memory of opening my acceptance letter at my family home in Pontypool with cameras surrounding us. The BBC was keen to demonstrate the range of students, from comprehensive school backgrounds, grammar and public schools. I was the comprehensive school girl. They insisted we open my results in the kitchen and spent all morning staging it to make it look as working class as possible. During the filming I couldn't decipher my offer and didn't know whether I'd been accepted or not.



I also remember the screening of the programme two years later. The press wanted to know about my career ambitions. I thought the most rebellious statement I could make was that, when I graduated, I wanted to work as a community organiser and have children.

### College days...

Queens' was a revelation to me. It provided exposure to a much wider world. I came from a mining town - the kind of place that my careers counsellor told me that, with my high grades, I could aspire to work in a bank (as a teller). Cambridge broadened my horizons: the people who attended Cambridge and the ideas they had of what kind of job and life they could create, their confidence and control over opportunities - it opened up a sense of possibility for me.

I sometimes think I could have been more immersed in the University. Unusually, I didn't live in College in my first year, I lived with friends from outside of College. In my third year I shared a house in Cambridge with **Jenny Pryke** and **Lesley Ann Daniels** from my year.

### Post Queens'

Initially, I went to work for a management consultancy - it was very good training and gave me professional skills I still use, but I didn't find private sector work fulfilling. I left after three years and took a job in South Africa as a trade union organiser and part of the anti-Apartheid movement.

I later studied for my Master's degree in International Relations and International Economic Policy from Columbia University. After Columbia, I went to the World Bank where I worked in countries emerging from conflict and political transition such



Copyright Crisis Group, Tomas Jansen

as Afghanistan, the D.R.C., Ethiopia, Haiti, Indonesia, Liberia, Rwanda, South Sudan and Somalia. I was the first World Bank representative in East Timor after the conflict and established the World Bank's department for conflict-affected countries.

Most recently, I was Assistant Secretary-General for Civilian Capacities at the United Nations, before moving to New York University this year. I'm finding it rewarding. After twenty years at the UN and World Bank, it's nice being in a university. I am looking forward to having the freedom to write what I want!

### Postscript:

Professor Richard Fentiman received a proposal of marriage based on his appearance in the programme. As he likes to recount, it was not from his wife.

## Recent news and awards

Please send your news & photos to [thebridge@queens.cam.ac.uk](mailto:thebridge@queens.cam.ac.uk)

### Academic excellence

**Sasha Hajnal-Corob (2011)** (right) came top in the University in Part III Natural Sciences (Astrophysics), winning the coveted Institute of Astronomy Prize. **Jack Stewart (2011)** got a First in the LLM postgraduate degree, adding to his three Firsts as a Law undergraduate at Queens'. **Michael Loy (2012)** came top of the University in Part II Classics and won the Wace Medal. **Millie Clark (2012)** came third in the University in Part II Classics and won the Chancellor's Medal for Classical Proficiency. **Adam Smith (2011)** won the Bartlett Prize for his performance in Part III Mathematics. The Prize is named after **Professor Maurice Bartlett (1927)**. **Edward Reeve (2014)** came top in the University in Part 1A Music. He will be the Senior Organ Scholar in October.



### Queen's Birthday Honours

CBEs were awarded to two Queens' Fellows: Vice President **Professor Lisa Hall**, Professor of Analytical Biotechnology and Chair of Disability Snowsports UK, for services to Higher Education and to Sport; and **Professor James Jackson (1973)**, Professor of Active Tectonics & Head of the Department of Earth Sciences, for services to Environmental Science (see page 6).

**William Haire (1975)** Permanent Secretary, Department for Social Development Northern Ireland Executive, was awarded a CB for services to Government in Northern Ireland.

**Stephen Hoddell (1967)** former Chair, Samaritans UK & Ireland, was awarded Commander of the Order of the British Empire for services to Civil Society.

### Awards

**David Craig (1994)** took Silk as a member of Essex Court Chambers

**Dr Manohar Singh Gill MP (1967 & Honorary Fellow)**, was awarded an Honorary Doctorate of Science, for services to Agricultural Development by the University of Agriculture Faisalabad, Pakistan.



**Professor John Swales (1957)** will be awarded a PhD *honoris causa* by The University of Silesia, Poland, in October 2015.

**Mr Gifford Combs (1983)** (below) has been elected Fellow Commoner. He is on the boards of the new University fundraising campaign and *Cambridge in America*.



### News



**James & Katy Adams (both 2001)** met at Queens' and were married in the Chapel in 2008. Their third child, Lucy, was born on Christmas Day, 2014. Katy matriculated as Kathryn Jackson.

Three Queens' alumni are now MPs: **Suella Fernandes (1998)** is the Conservative member for Fareham; **Stephen Kinnock (1988)** is the Labour member for Aberavon; and **Liz Kendall (1990)** is the Labour member for Leicester West, and a candidate for leadership of her party. All three met for tea in the Houses of Parliament recently.

### Fellowship promotions



**Dr John Allison** (Law) (left) and **Dr Marie Edmonds** (Earth Sciences) (below left), to Readerships; and **Dr Graham McShane** (2000, Engineering) (below) to a Senior Lectureship.





Earthquake expert and Queens' Fellow, Professor James Jackson, was in Kathmandu the week before the tragedy in Nepal last April. In the aftermath of the quake that killed over 8,000 people, he was called in by the Cabinet Office to provide expert analysis and recommendations. Here, he explains how earthquake awareness can be raised and how difficult it is to predict the next "big one".

## Insight: Professor James Jackson CBE FRS (1973)

### Background:

BA (Natural Sciences) Queens', 1973, Foundation Scholar

PhD (Geophysics) Cambridge, 1980

Fellow of Queens' College since 1979

Elected Fellow of the Royal Society 2002

Royal Institution/BBC Christmas Lecturer 1995

More than 180 scientific publications

Awarded the 2015 Wollaston Medal of the Geological Society of London

Head of Department of Earth Sciences

Adviser to governments, civil engineers and insurance companies on risk. This includes advising on the location of dams, nuclear power stations and pipelines, and identifying risks to major cities.

### Your research...

My real focus is on using earthquakes to understand how the major features of the Earth's surface, such as mountains, basins and plateaus are formed. These are the main geological structures on the continents, and all of them were once created during earthquakes, even if they are now quiet, like the North Sea and Scotland. Their modern, active equivalents are the Aegean Sea and Himalayas, where the earthquakes allow us to see the geology in action. It is through understanding how these processes shape the Earth that we can learn to read the signals in the landscape that reveal the geological hazards in vulnerable places.

I supervise undergraduates at Queens' in Earth Sciences, helping Dr Marie Edmonds, who is now the Director of Studies. I enjoy teaching the students on the various field courses we run, particularly in Scotland and Greece.

### Kathmandu

I was at a meeting of a project called *Earthquakes Without Frontiers (EwF)*, which aims to bring together Earthquake Scientists, Social Scientists and Policy experts to share expertise and experience and work towards increasing resilience to earthquakes in the Alpine-Himalayan-central Asian earthquake belt.

It was a coincidence that the EwF meeting was in Kathmandu. We had no prior knowledge of an imminent earthquake. With the current state of scientific knowledge we cannot predict or forecast the time or dates of earthquakes, beyond saying that where they have happened in the past, they will happen again in the future. The understanding that Kathmandu was at considerable risk has been a well-publicized fact for many decades, certainly since the last very big one in 1934.

The difficulty faced by good leaders and organizations in India is getting people to concentrate and invest in reducing earthquake risk, which seems remote, when they



have everyday concerns common to Asian urban life that are much more real and pressing: pollution, air and water quality, traffic and poverty. Those immediate priorities are understandable, but it doesn't mean the earthquake threat will go away, as this tragedy has demonstrated. This is not a problem limited to Nepal and Kathmandu, but is common to most countries in the Alpine-Himalayan-central-Asian earthquake belt.

### Learning from disaster...

Appalling though this event was, it could have been far worse and, at some time in



the future, Nepal is likely to experience a bigger earthquake, so they have to build resilience quickly. This is not simply a matter of top-down directives: individual people and communities have to understand the situation and take responsibility for what they can do.

In Nepal, there was a lower loss of life than we expected. The earthquake was smaller than the one in 1934, and moved the fault that slipped by only half as much. Many modern buildings did withstand the shaking (not all, of course). This could be interpreted as evidence that the programmes of the Nepalese government and the non-profit agencies did save lives. A disaster averted is always hard to demonstrate.

### Extending the reach...

One reason that we held our recent EwF partnership meeting in Kathmandu was so that our friends from Kazakhstan, Kyrgyzstan, Iran, China, and India could learn from the Nepalese experience of building resilience from the bottom up. The relationships formed at that meeting will now be focussed on helping the Nepalese rebuild and increasing awareness in their own countries.

A month after the Nepal earthquake we had a follow-up workshop and meeting

in Tehran, using the opportunity to raise awareness in Iran. Some of the same international partners present in Kathmandu attended this as well. One benefit of the EwF partnership is to support local scientists who can show their local politicians and policy makers that they are well-connected to the international earthquake-science community, and that their assessment of the hazards is well-informed and up-to-date. It is through prolonged engagement and collaboration with countries in the partnership that we have established confidence and trust, as well as undertaken excellent collaborative science, and we certainly hope to continue this.

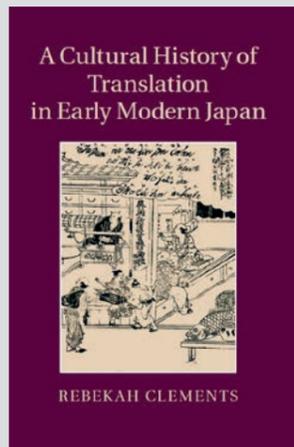
Let's hope that this event is the trigger for a more positive outcome.

### A geological puzzle for alumni:

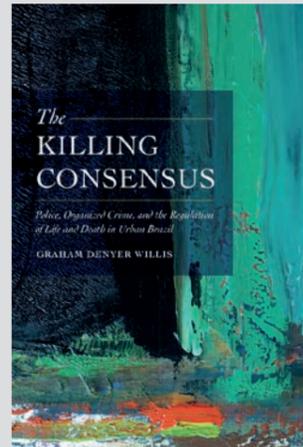
Everyone knows the mountains of the Himalaya and Tibet are related to the ongoing collision between India and Asia. But why has Asia crumpled up over a vast area, with earthquakes all the way to Mongolia, while India has remained relatively undamaged?

Email your responses to [development@queens.cam.ac.uk](mailto:development@queens.cam.ac.uk)

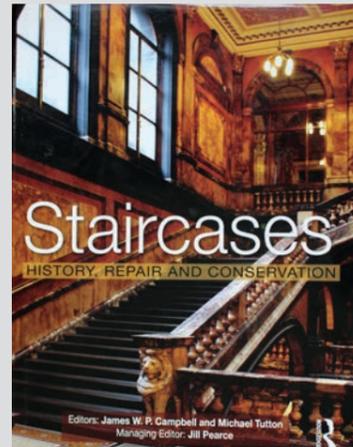
# Alumni Books



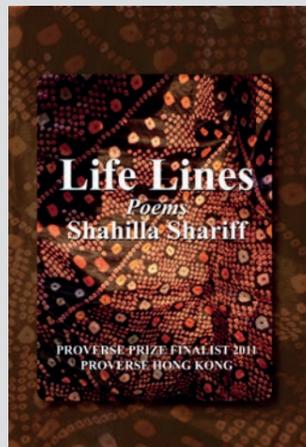
Dr Rebekah Clements (Fellow)



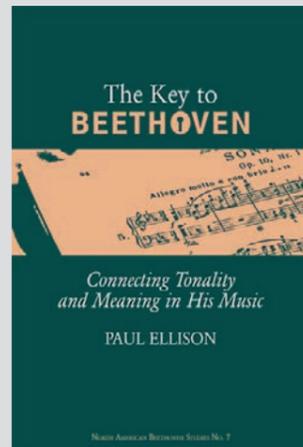
Dr Graham Denyer Willis (Fellow)



Dr James Campbell (Fellow)



Shahilla Shariff (1985)



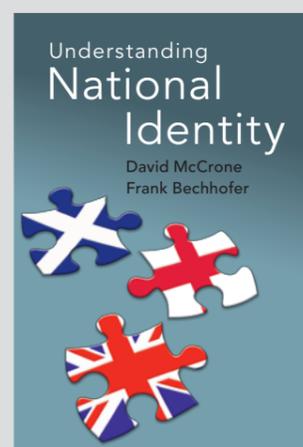
Dr Paul Ellison (1978)



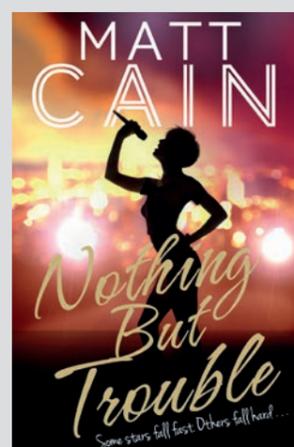
Nigel Lake (1986)



Madeline Garlick (1995)



Prof Frank Bechhofer (1956)



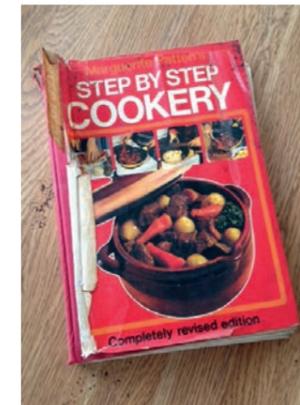
Matt Cain (1994)

## Halcyon Days: Brewing Beer

Simon Rogers (1975)

One of the benefits bestowed upon us for our third year was the opportunity to influence our room allocation. Four of us decided to attempt to get a Cripps corridor together which could then essentially become a flat (albeit with one unfortunate fresher having to share it).

Thus began our experiment in self-sufficiency. It started with frustration over College catering arrangements. So, to supplement the two rings in the gyp room, we found a 'Baby Belling' oven and grill at a jumble sale, chained it to the worktop and, armed with *Step by Step Cookery* by the recently late Marguerite Patten, started our culinary adventure from absolute zero. Cooking in turns for the group, it became, of course, highly competitive and after many basic disasters ended with candle-lit dinners on the roof of Cripps building. I have no idea how we got tables up there, or how we got away with it.



The more serious enterprise, which brought massive economic benefits, however, was brewing. Another jumble sale visit and we had an old 'Burco Boiler', the sort used for boiling up the wash in the post war years. This was a perfect mash tun.

Buying-in drums of malt, bags of hops and supplemental grains enabled us to brew ten gallons a week – the fermenting buckets fitting perfectly in a Cripps wardrobe. Sunday night was brewing night, involving both bottling the previous week's effort (a bitter, mild or, our signature brew, a porter) and mashing the current week's brew. It became a very sociable affair as can be imagined.

Lemonade bottles from the bar were perfect for conditioning and I clearly remember cycling to a soft drink plant on the Newmarket Road, hoping to persuade them to let us have a job lot of new screwtops. They indulged my request, before explaining that the tops are actually moulded to the individual bottles from sheet metal!

The resultant brews were shared out and taken down to the bar in jugs bought for the purpose, saving us ever having to pay money over the counter, and making us very popular.

Brewing is a pretty invasively pungent activity and results in large volumes of spent hops, yeast, etc, all of which had to be disposed of. Again, I marvel at the tolerance of the authorities concerned and our fortune in having the most forgiving bedder in Cambridge.



Simon Rogers, 2nd left, with fellow brewers



## Offer. Pool. Reject.

Lorna Sargent is retiring after 28 years as Admissions Coordinator. She has sent out letters of acceptance and rejection to generations of Queens' applicants and, here, recounts some interesting goings-on.

- 28 years equates to drafting roughly 17,360 letters of acceptance and rejection
- In that time, I've worked with four Senior Tutors and six Admissions Tutors.
- I've seen some astonishing things as Admissions Coordinator. I met HRH The Queen Mother twice, found bizarre things left after interviews (the Scooby Doo "onesie" was the oddest) and worked too many Christmases to count.
- I've loved the contact with the students and their parents – I've met some extraordinary young people.

One great memory of Queens' was helping to commission a College flag that eventually ended up in space. In 1992, astronaut **Dr Mike Foale (1975 & Hon Fellow)** was heading off on a NASA expedition and wanted to take the College flag. This was a brilliant idea, except when we realised all the specifications we needed to adhere to. The flag had to be a certain weight and fabric to be taken to space. In the end, it had to be carefully wrapped by me – so my finger prints went into space, even if the rest of me didn't.



I'm really going to miss working with everyone... but I'm looking forward to spending some time at my sewing table and enjoying time off at Christmas with my partner, Erik.



## Insight: The Revd Timothy Harling – College Chaplain

### Background:

BSc Oceanography & Geology,  
Southampton University

Theology BA, Fitzwilliam College,  
Cambridge

Ordinand at Westcott House

Ordained in 2005

First Curate, Priest-in-charge Romsey  
Abbey, Hampshire

Co-ordinating Chaplain at Peterborough  
Prison

Bye-Fellow Queens' College 2013

Active interest: Rowing (Tim met his  
wife while rowing for the Cambridge  
St Radegund Pub)

**Having worked at the Vatican and in the UK's most violent prison, the chaplaincy at Queens' seemed the logical next step for Tim Harling. Here, he reveals his plans...**

### Journey to Queens'

It was during my time at Southampton that I joined the church. My family aren't church-oriented, so it came as a shock to them. After graduating, I was offered a job at the oil company Schlumberger. Concurrently, my Chaplain suggested I should put myself forward for training for the priesthood. I thought they would chuck me out at the first round, but I was selected.

Between graduation and my chaplaincy study, I worked for Mission to Seafarers at sea on a container ship travelling from the UK to New Zealand. I worked at ports in Auckland and Rotterdam, ensuring that the conditions were sufficient for sailors: pay, food and lodging (many large ships are registered in countries with poor human rights records).

In my third year at Fitzwilliam, I was delighted to be selected as one of two Anglicans chosen to work at the Vatican for six months. Whilst training for the priesthood at Westcott House, I took my placement at Queens'. I was later ordained in Winchester Cathedral and served my Curacy in one of the twelve "Greater Churches" in the country, Romsey Abbey, for four years.

### Prison service

During my chaplaincy I found myself frequently working within prisons (Parkhurst on the Isle of White and Winchester). Eventually, I took a job as Coordinating Chaplain in Peterborough High-Security Prison - the most violent in the country at the time.

I was at Peterborough Prison for four years, running a team of fourteen chaplains from ten different faiths. By the time I left, the Chaplaincy was seen as an example of best practise by

Prison Inspectors. I worked as Family Liaison Officer (the first point of contact with families when prisoners die in custody) and with Special Branch (engaging and pursuing extremists in prison). Though I enjoyed my work, I gradually began to feel more like a Manager than a Priest. I needed a change but wanted to stay in the chaplaincy; I discovered the job at Queens'.

### Changes at Queens'

I think it was beneficial to come to Queens' from outside the collegiate system, with fresh eyes. Every act of worship is open to the public. Having come to religion late on, I'm conscious of how scary faith can be – my hope is to make people, who are unfamiliar with religion, feel at ease and welcome.

It's important that we consider the students with regards to the services we hold. Most churches have a Sunday morning service but, at Queens', we polled the students – they said the best time for the main communion service was a Tuesday evening. We made this change and there are more students attending than ever.

My priority in the coming months is to look at what we do - and how we cater to graduate students. We are undertaking a comprehensive graduate review and I sit on the Graduate Review Committee. We have an opportunity to give graduates a reason to come to College and find a home for the faith part of their lives in College.

Although I'm an Anglican Priest, I want to engage and enable people of all faiths. If you're a Sikh, Hindu, Muslim or Christian student, it's my job to enable you to practice your faith. We are working towards:

- Improving Kosher meals for Jewish students (Queens' is championed by the Rabbi)
- Creating a space for Friday prayer for Muslim students in College
- Reserving a space for the Buddhist Society to meet in our antechapel weekly
- Inviting the Catholic Chaplaincy to use the Queens' Chapel termly for choral mass

This year, for the first time, the Chapel was used during the May Ball, which was well received.

### Welfare at Queens'

The prison system is obviously very different to College, but there has been a similar thread linking my previous work: relating to young people in positions of high stress. I'm there to help students articulate their feelings and I see little difference between welfare and chaplaincy.

I'm thrilled to be here under the new Welfare System, unique amongst the colleges. As a team, our aim is to engage students proactively before problems become acute and solutions reactive. I like to be around at formal and informal gatherings and get to know the students – especially in their first year. That way, they know me when they need me; of course, word of mouth is the best publicity for our programme.

I feel lucky to have been shown the ropes by Mairi Hurrell (Welfare Adviser) – she's the closest thing to a saint the College has. The new Welfare System has been in place since 2013, working alongside the Tutors. It's rewarding to see it's making a difference.



### Adjusting to College life

The biggest adjustment has been that in prison, every day by design is like the last; at Queens', it's an intense eight weeks, three times a year. It's something I'm still getting used to. The nature of prisons is you leave your work behind bars (short of a death or riot – I've experienced both) whereas in College, problems rarely occur between 9-5pm, Monday to Friday. In term time, I'm always on call – if students need me I'm nearby: a ten minute walk and five minute run.

### For Alumni

- Alumni are welcome at all Chapel services throughout the year – during term time there is something happening in the Chapel every day.
- Every matriculated member of College can ask to be married in the Chapel. (The week after the May Ball, I was asked three times about marriages at Queens').
- There are specific services throughout the year, like the Commemoration of Benefactors, where we give thanks to those who have given to the College.
- Through a generous gift from an alumnus, a hearing loop has been supplied to the College and will be functional by Michaelmas term; this will enable our hearing-impaired members to enjoy Chapel services.
- Alumni are always welcome to knock on our door and ask about the Welfare System. I'm always interested to know what it was like beforehand.



Katherine at the Varsity match (in the light blue hat)

## Katherine Chapman (2014)

**Discovering, aged five, that she had a rare bone disease, Katherine Chapman never let it get in the way of her success in swimming and in her studies... Meet the postgraduate on her way to becoming a Nuclear Engineer.**

"Nuclear Energy at Cambridge... they said it would be hard, but it's really hard!" Following her BSc in Physics & Philosophy from Sheffield University (where she undertook summer work experience in CERN), Katherine took a year out to work as the sabbatical Women's Officer at Sheffield Students' Union, where she campaigned for women's rights both within the University and at a national level. Now, back to the books, as she reads for an MPhil in Nuclear Energy, Katherine adjusts to student life again. "It's the little things that I find odd; it's strange to have someone clean your kitchen and to sleep in a single bed again. I live offsite in Queens' accommodation along Maid's Causeway with 17 people; it sounds like a lot but I enjoy it and have really phenomenal housemates."

### First strokes

Katherine has been swimming since she was 18 months old; her parents wanted their children to be competent swimmers, and she ended up getting drawn in. "My brother and I swam competitively

throughout our childhood and teenage years and, although it took out a lot of time from our social lives, I wouldn't change it for the world. It gave us the determination to succeed and be fully dedicated, and now it provides such a release when times get difficult."

Katherine has successfully competed in the Varsity Swimming Gala, racing the 100m Backstroke, 400m Freestyle and the Medley Relay and gained her full Blue time in the 200m Freestyle at the British Universities & Colleges Sport finals in Sheffield. She was also the fastest Cambridge female in the Henley Open Water Varsity race, a two kilometre, upriver swim that takes place at 4am.

### Ollier's disease

Diagnosed with Ollier's disease (affecting 1 in 100,000), aged five, it manifested itself in her hand and leg, necessitating a year-long leg-lengthening procedure, requiring a metal frame attached to her

leg when she was ten. With a year taken out of the sport she loved and time away from school, it was a challenge for her whole family. "It was definitely a very frustrating time, with regular doctors' appointments in London and the need to consider the extra difficulties in everything that we did. I am so lucky to have such caring and patient parents, and my ever-supportive brother, who it was sometimes difficult to watch succeed when I wasn't able to."

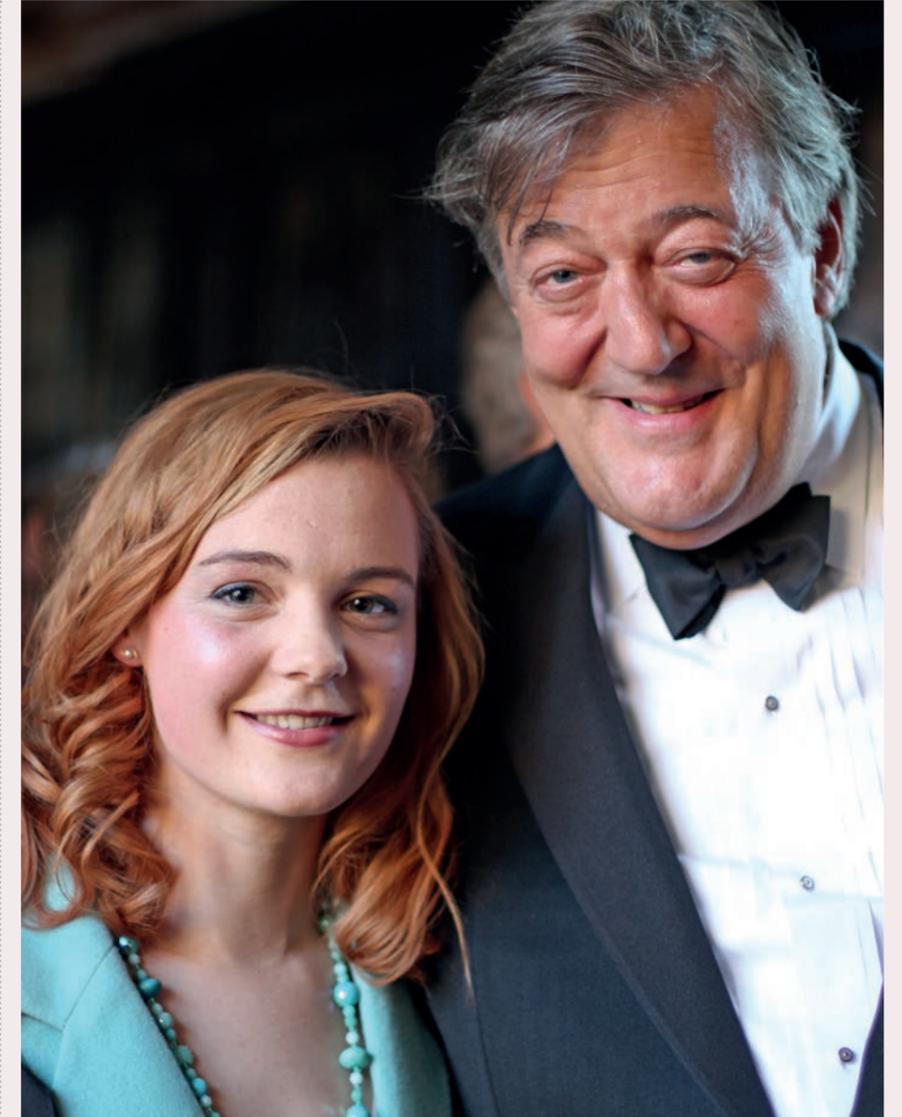
More recently, Katherine has had further difficulties with her health, requiring a finger amputation in April 2014 due to a type of bone cancer (Chondrosarcoma) and, as a result of complications from this same disease, she has developed a lump on her skull, causing double vision. This has put a strain on her studies with time taken away for medical appointments, and the stress of coping with her own illness alongside her mother's breast cancer. "It has definitely brought us closer together; with our diagnoses being three days apart, we knew we were going to have to help each other through. Luckily we are both well on the way to recovery, and have both had truly wonderful people around us throughout." With her disease being so rare, Katherine has had to travel all over the country to receive treatment, and will need some further treatment when she leaves Cambridge. "The main thing I have learned is to keep going as normal whenever possible; and when that hasn't been possible, there has always been someone there to help me through."

"I don't think my illness propelled me into science; it certainly kept me away from medicine. I'm definitely a scientist by nature. My mum is a GP, my dad studied Biochemistry and my brother is studying Biology. If anything, you become an expert in your own illness. I often have to tell new doctors about my disease and when research developments emerge about Ollier's disease my mother and I send the latest research papers to my doctors for their information."

### Queens' experience

"I have had a lot of support whilst at Queens'. I receive a DSA (Disabled Student Allowance) and I consider Emma Dellar (College Nurse) a great friend. At one point in the year I was frequently working in her office; she cheered me on to keep working when I wasn't motivated. She has been incredibly supportive and I know I can pop in and visit her at any time."

"I couldn't ask for better friends to live with at College. We have shared dinners; there's



a strong international contingent at the house so we have had meals from all over the world, and there is always someone to curl up and watch a film with or share your triumphs and frustrations. There are a few people who I would not have been able to get through the year without, and it is such a testament to the family atmosphere at Queens' and across Cambridge that there are so many people that have taken time out their busy schedules to offer help and support to their friends."

### The Fry moment

Recently, Katherine attended the Cripps Feast where she was introduced to Queens' alumnus and Honorary Fellow, **Stephen Fry (1978)**. They talked about swimming and the varied opportunities that Cambridge offers its students. "Stephen Fry is the patron of a charity called 'Listening Books' which provides audiobooks to those who

have difficulty to read due to disability or illness, something that has greatly helped me throughout my difficulties. It was such an honour to meet him and let him know how his patronage has benefitted myself and others like me by allowing access to a whole world of fiction that would otherwise be much more difficult to discover."

### What next

Katherine will submit her dissertation at the end of the summer and will have great prospects after graduation. "Ideally, I will move to London to pursue my career; right now I'm exploring my options- there are a lot of fields that interest me."

"Swimming will always be a big part of my life and it's something I always want to make time for. All the way through illness, studying and working; swimming has been a constant."



## Background:

University of St. Andrews, BSc, Plant and Environmental Biology, 1989 – 1993

John Innes Centre, PhD, Plant Development, 1993 – 1996

Junior Research Fellow, Queens' College, 1996 – 1999

Lecturer/Senior Lecturer in Plant Molecular Genetics, University of Cambridge, 1999 – 2010

Admissions Tutor (Science 2001-2007) and Director of Studies (Natural Science Tripos Biological 2007-2013)

Reader in Evolution and Development, University of Cambridge 2010-2013

Professor of Plant Systematics and Evolution, Director of Cambridge University Botanic Garden, 2013

## Fellow Focus: Professor Beverley Glover

**As Director of the Botanic Garden at Cambridge University, Beverley Glover juggles a staff of 60, teaching, research, a laboratory, a University Chair and a family. She explains why she gardens badly, despite recently publishing the second edition of her book, *Understanding Flowers and Flowering*.**

### Why a career in botanical sciences?

It was an accident. I went to St Andrews for my BSc because it had a strong reputation for Marine Biology, which is what I thought I wanted to do. We didn't specialize until our third year, so I did Plant Biology as one of my options and loved it. Plants have all the same challenges animals have – getting enough energy, nutrition, water; not getting eaten; finding a mate; setting their offspring out in life with a good start – but they have to do it all rooted to the spot. The solutions they've come up with are so clever! I've always used the living collection at the Botanic Garden as inspiration and to provide material to work with; so, it was an easy decision to apply for the Directorship when it became vacant!

### Queens'

I have a strong link with Queens'. My husband and I were the first two Fellows of the College to get married! I married Stuart Bridge (now a Life Fellow, formerly

an Official Fellow in Law and also former Admissions Tutor) in 2003, with a blessing in Chapel by the Revd Dr Jonathan Holmes. We have two children both christened by Jonathan in Chapel too.

### Do you have time for research?

The answer is yes, but it's hard – I could definitely use a clone of myself!

Since establishing my own University research group I have focused on the development of floral features which enhance pollination success (why there are so many different sorts of flowering plants – we focus on understanding the evolution of the developmental pathways that make flowers different shapes, colours, symmetries, textures etc.). I am particularly interested in the coevolution of flowers and their animal pollinators.

In 2005, I added a bee behavioural facility to

my lab, which was previously entirely plant molecular genetics. This has allowed us to test the adaptive significance of floral traits.

My lab is currently researching:

- the evolution and development of floral nectar spurs
- insect-mimicking petal spots
- pollen surface microstructure
- cells conferring grip on petals
- petal brightness and petal iridescence

This work is important because the enormous species diversity of the flowering plants can, in part, be attributed to the reproductive isolation resulting from the recruitment of animals as pollen vectors. By defining how pollinators interact with flowers and how the developmental programmes that produce attractive flowers evolve, we have the opportunity to support plant breeders in their efforts to optimize yields of key crops.

### Plants and education...

At the Botanic Garden we have 8,000 plant species selected for teaching, research, or horticultural interest. They are used in many departments and by a multitude of universities worldwide; we supply leaves, flowers, seed, and DNA globally for research projects.

I want the Garden to be better known internationally for the impressive research collection and all the great science that has come as a result. I wanted to take on the role of Director so I can help to change the emphasis of the way the Garden is thought of – great horticulture will always be at its heart, but people should also know about the valuable science coming out of the Garden too.

We also use the collection in teaching – for undergrads in NST and Geography but also sixth form colleges, secondary and primary schools, and adult education. We host 10,000 schoolchildren per year – studying curriculum topics like rainforests, fair trade, crops and healthy eating. I'm most excited about a new classroom we have just built in the Schools' Garden, open this summer; it will allow us to increase the number of school visits we can accommodate and permit indoor learning on wet days.

### Upcoming projects?

In the lab, I'm most excited by work we're collaborating on with colleagues in Physics and Chemistry to explore how some of the iridescent flowers in the garden produce nanoscale structures that interfere with the light to generate angle-dependent colours. Nobody knows how this works in any plant or animal (think peacock feathers, jewel beetles, tulips) but we think we might be on to the answer in flowers!

### Do you garden?

I garden badly – I have no time now that I have children! I was Garden Steward for a while. The roses in Walnut Tree are wonderful – such a great variety and lovely scented ones too. Unusually, I like the gravel garden by the Chapel too (it's not to everyone's taste) – it's challenging, and asks you to think about the purpose and nature of a garden.

The Botanic Garden was established on its current site by Professor John Stevens Henslow, mentor to Charles Darwin, and opened to the public in 1846. It covers 40 acres and visitor numbers have more than doubled in the last decade to around 250,000 annual visits. The recent flowering of the *Titan Arum*, also known as the 'corpse flower', attracted 11,000 visitors. Flowering is a very rare event, last occurring at the Garden over a decade ago.

## Nota bene



It is with great regret that the College announces the death of **Professor Ajit Singh**, M.A., B.A. (Punjab, Chandigarh), M.A. (Howard, Washington), PhD (Berkeley, California), Life Fellow, Emeritus Professor of Economics, on 23 June 2015. There will be a Memorial Service in the College on Saturday 7th November at 2pm.

In an obituary for *The Guardian* newspaper, the President wrote that Ajit was devoted to Queens' and how "the most abiding memories of him will be of the twinkling eyes below his turban, of a penetrating intellect, and of an unwavering commitment to social and economic progress".

### Professor James Diggle

retired this summer after forty years as Praelector, overseeing (among many other things) the graduation ceremonies of generations of Queens' students. In an unprecedented gesture, he was applauded as he left the Senate House after his last "performance" and, then, by Queens' Fellows outside.



An inaugural 'Blues Dinner' was hosted by the Fellows to show their appreciation for the efforts and achievements of the College's University sports representatives. 45 Queens' students have won Blues, half-Blues or University colours. **Fiona Hughes (2010)**, our Olympic skier, got a Distinction in Part IIB Engineering, whilst **Alex Hunt (2014)** (another Engineer) played in the four-day Varsity cricket match.



Sixty years since their famous win in the Ladies' Plate at Henley, most of the remaining crew members held a celebratory lunch at the Regatta in July. Host, **John Cox (1952)**, was joined by **Tony Shephard (1954)**, **Ian Clayre (1954)**, **David Thallon (1954)**, **Ross Urquhart (1952)** and **David Lee (1953)** for what, they say, was their final reunion.

# Floreat Domus Some facts & figures



Donations from Queens' alumni provide the third largest contribution to the College's finances each year (after fees and residency) **£2.7m** in 2014-15



Queens' has always been an independent charity and registered with the Charity Commission in 2010



Benefactors of Fellowships have their photos mounted in the Senior Combination Room.

Through the generosity of alumni, Queens' has put in place the following Fellowships in the last year:

Fellowship name	Subject	Donor (s)
Anthony L. Lyster	Mathematics	Tony Lyster (1949)
Anthony L. Lyster	Sociology	Tony Lyster (1949)
Anthony L. Lyster	Physics	Tony Lyster (1949)
Derek Bowett	Law	Ewen Macpherson (1961), Rodney Ward (1963)
John Tiley	Law (3 years)	multiple donors
Hassabis	Computer Science	Dr Demis Hassabis (1994)
Niccoli	Natural Sciences	Dr Demis Hassabis (1994)
John Baldwin	Physics	Prof John Baldwin (1949)
El-Erian	Economics	Dr Mohamed (1977) & Mrs Jamie El-Erian
Geography	Geography (5 years)	Phil Cox (1970)

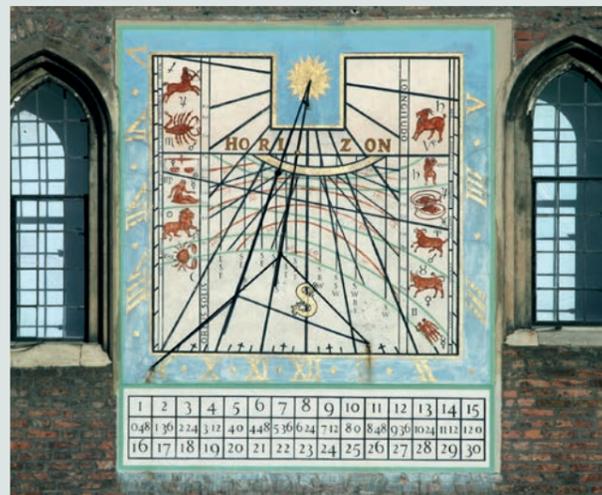
# £0

Queens' receives **£0** in funding from the government

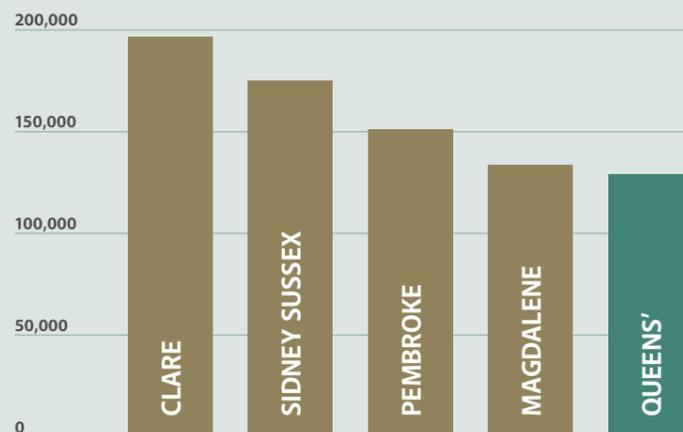


Queens' currently subsidises the education of each undergraduate by **£3,600 p.a.** This is a total of **£1.8m** per annum

The supervision system at Queens' is entirely financed by the College from its own resources (including donations)



Investment assets per undergraduate (£)



## Collegiate Cambridge fundraising campaign

The University Campaign will launch in October and aims to raise £2 billion for: delivering *Change that Matters* by Transforming Understanding, Solving Global Problems and Serving Global Society.

Queens' is providing three members of the Campaign Board: co-Chair **Dr Mohamed El-Erian (1977)**, **Sir David Walker (1957)** and **Gifford Combs (1983)**. All donations to Queens' count towards the Collegiate University's overall target.



Lady Bowett and Jillinda Tiley

## Other philanthropic news

- **Lady Bowett** (widow of Sir Derek, President 1970-82) generously donated to The John Tiley Fellowship in Law to mark her husband's long association with Queens' and her family's friendship with the Tiley family. Fundraising to endow The Tiley Fellowship continues.
- **Alan Fletcher (1958)** and his wife, Wendy, have generously endowed The Fletcher Bursary to assist financially-disadvantaged students reading Engineering.
- The College has been able to buy T-Loop hearing systems for the Chapel and Old Hall, as well as some portable ramps for wheelchair access, thanks to a generous gift from The Galanthus Trust (**Simon Rogers, 1975**).
- **Access Car Appeal:** in the last edition of *The Bridge*, we mentioned the need to buy a car for our Schools Liaison Officer. Three donors have come forward so far, raising £4,200, but further funds are still needed. If you want to support Access at Queens', email [development@queens.cam.ac.uk](mailto:development@queens.cam.ac.uk).
- **Robert Gall (1989)**, having funded a set of rugby shirts for the Queens' Men's XV in 2014 has, this year, funded a set for the Women's Rugby team.
- The Estelle Trust (**Nigel Farrow, 1958**) has kindly funded an *Estelle Prize* for the winner of an annual English essay-writing competition for school pupils, run by the College's English Fellows. The competition is for Year 12 students (Lower Sixth) with pupils writing an essay of 2,500 words on a topic set by Queens'. A Fellow has also added a £200 donation to buy books for the winner's school library.

## Major Benefactors' Plaque

To record the College's gratitude for some of the largest gifts to Queens' in modern times, a plaque was unveiled in May in the Round by Honorary Fellow, Mr **Ewen Macpherson (1961)** and the President, **Lord Eatwell (1964)**.



## Invest in Queens' by telephone

Last year's Telephone Campaign was the most successful ever, raising almost £500,000 for teaching, the endowment and student support. Thank you to all who gave. Please support the College in September and speak to one of our students. It's a tough job for our young callers, but they enjoy speaking with alumni and gain valuable skills and experience.



Dr David & Rosalind Cleevely kindly provided bursaries for two students reading for the Public Policy MPhil in 2014-15



# Hughes-Hallett Travel Bursary

**Esteira Hiwaizi (2012)** was the first recipient of *The Marcus Ivan Hughes-Hallett Travel Award*. The award was established by Marcus's family in his memory. It provides a bursary for undergraduate students wishing to travel abroad, whether for their academic studies or to undertake voluntary work.

"I am incredibly grateful to the family of Marcus Hughes-Hallett for setting up this award and for supporting me in my educational travel. In the Easter Break I went to Crete to have a look at some Greek inscriptions and visit archaeological sites. I came into contact with Greek tombs and architecture from as early as the Minoan period and saw a burial tomb, an ancient temple, mosaics, statues and numerous accompanying inscriptions. These were vastly informative for my Classical Linguistics options this year in my degree. It was helpful to analyse the inscriptions and understand their importance in context, especially as we can discover so much from their location, placement and the arrangement of the letters. West Crete is a great place to visit for a picture of the Greek civilization over a period of time, as there are archaeological sites from the early Minoan period through to Byzantine times. I thoroughly enjoyed the trip, especially hiking for 2.5 hours over a mountain to reach the Lissos site and the breath-taking views along the way."



Marcus's parents unveil the *Marcus Hughes-Hallett VIII*



## Queens' Curiosity

For a short period between 1883 and 1885, Queens' was one of three Cambridge colleges to develop a College stamp and private messenger system. The stamps were designed by **Mr E. Temperley**, a Fellow of the College, lithographed on white, unwatermarked paper. The price was one halfpenny each. By Michaelmas Term, 1885, the postal authorities had prohibited the use of college stamps and the system of messengers.

You can still find our collection of stamps in the Old Library.



## Friends of Queens' Music news

We are delighted now to have 38 members of the **Friends of Queens' Music (FOQM)**. FOQM supports musical excellence at Queens'. This Michaelmas Term, we will be appointing our first FOQM Choral Scholar thanks to the generous support of a FOQM Gold Patron.

Queens' hosted a spellbinding summer concert in June showcasing beautiful jazz, choral and string music around the College, with performances by Queens' Choir, musicians and the Director of Music, **Dr Silas Wollston**.

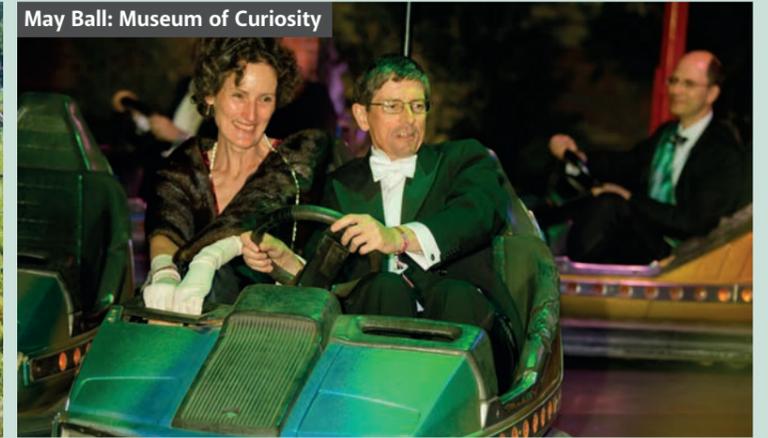
### For the Wings of a Dove

The Choir has released an enchanting CD of music of 'supplication and hope' entitled *For the Wings of a Dove*. It can be purchased from Orchid Classics. [www.orchidclassics.com](http://www.orchidclassics.com)

You can support all music at Queens' by becoming a **Friend of Queens' Music**. For more details, please email [development@queens.cam.ac.uk](mailto:development@queens.cam.ac.uk).



May Bumps



May Ball: Museum of Curiosity



May Ball: Museum of Curiosity



May Ball: Museum of Curiosity



Graduation



Graduation



Arthur Armitage & 1448 Society Garden Party



Family Day

# Queens' Events Schedule

## 2015

### '1955 & Before' Reunion Lunch

Wednesday 23 September 2015

### Freshers' Parents' Tea

Saturday 3 October 2015

### Queens' Distinguished Lecture in Law

*By invitation*

Thursday 15 October 2015

### 'Oxford & Surrounding Counties' Regional Dinner

Friday 16 October 2015

### Remembrance Sunday Service

Sunday 8 November 2015

### 1995 20th Reunion Dinner

Saturday 14 November 2015

### Varsity Rugby Match

Thursday 10 December 2015

### Alumni High Table Dining Dates

#### Michaelmas Term 2015

Wednesday 28 October 2015

#### Lent Term

Wednesday 24 February 2016

#### Easter Term

Wednesday 4 May 2016

## 2016

### Second Years' Parents' Dinner

Wednesday 27 January 2016

### 1966 50th Reunion Dinner

Saturday 12 March 2016

### 2006 10th Reunion Dinner

Saturday 7 May 2016

### 1996 20th Reunion Dinner

Saturday 21 May 2016

### Arthur Armitage & 1448 Society Garden Party/Alumni Family Day

Sunday 19 June 2016

### 'A Night with the Queens' British & Irish Lions'

Friday 12 August 2016

### '1956 & Before' Reunion Lunch

Wednesday 21 September 2016

### Freshers' Parents' Tea

Saturday 1 October 2016

### Academic Saturday

Saturday 8 October 2016

### Distinguished Lecture in Law

*By invitation*

Wednesday 12 October 2016

### 1985 & 1986 Reunion Dinner

Saturday 12 November 2016



*Please note that Academic Saturday is now a biennial event.*

*Dates are subject to change. Please refer to the website for more information.*

**The Bridge:** produced by Marisa Crimlis-Brown

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