‘It’s certainly an unusual honour and a distinction that a college bearing my name should be added to the ancient and renowned foundations which together form the University of Cambridge.’

Sir Winston Churchill, 17 October, 1959
Sir Winston Churchill, First Lord of the Admiralty c. 1911–13

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# CONTENTS

## EDITORIAL .................................................................................................................................................................................................. 7

## FROM THE MASTER ...................................................................................................................................................................... 9

## THE COLLEGE YEAR ............................................................................................................................................................... 15

The Churchill Way  
*Senior Tutor’s Report* .......................................................................................................................................................... 17

A Diverse Community in the Pursuit of Excellence  
*Tutor for Advanced Students’ Report* ......................................................................................................................................... 21

Making the Most of our Resources  
*Bursar’s Report* .............................................................................................................................................................................. 25

Delivering a Flexible, Efficient and Friendly Environment  
*Domestic Bursar’s Report* ............................................................................................................................................................ 28

Introducing the Women  
*The Director of the Archives Centre’s Report* ..................................................................................................................................... 30

Supporting the Education of Future Leaders  
*The CEO of the Møller Institute’s Report* ........................................................................................................................................ 33

Outstanding Levels of Support  
*The Development Director’s Report* ........................................................................................................................................... 36

Donations .......................................................................................................................................................................................... 43

## SPOTLIGHT ON … THE VOTE TO ADMIT WOMEN AT CHURCHILL COLLEGE ............................................................................................................. 61

Going ‘Co-ed’: Fifty Years On  
*The Historic Vote to Admit Women at Churchill* ......................................................................................................................... 63

## COLLEGE EVENTS ...................................................................................................................................................................... 67

*In chronological order*

Two Very Special People  
*Alec and Mary at 80* ........................................................................................................................................................................... 69
Global Role Model for Young Students and Female Scientists
The Master in Conversation with Dame Jocelyn Bell Burnell ........................................... 78

A Very Topical Message
How Churchill Waged War .................................................................................................. 84

From Suffragettes to the ‘Snowflakes’
Helen Pankhurst’s Talk ....................................................................................................... 86

Churchill and the Movie Mogul
An Interview with John Fleet ............................................................................................. 88

The Inspiration of the International
The Master in Conversation with Professor Alison Finch ................................................. 90

A Transition from Experiments to Scientific Management
The Master in Conversation with Professor Melanie Welham ........................................ 94

The Entrepreneurs of the Future
Churchill College Enterprise Competition ........................................................................ 97

Mirroring the Diversity and Inclusiveness of Churchill College
The Xiaotian Fu Garden ...................................................................................................... 101

A Pleasant and Relaxed Visit to Churchill College
Visit of the French Ambassador to Churchill .................................................................. 104

An inspirational Teacher, a Mover & Shaker, a Kind & Decent Man
Tim at 80 ............................................................................................................................ 106

Churchill College – A Career Landmark
The 4th Annual Meeting of the French Fellows at Churchill College ............................. 115

STUDENT LIFE .............................................................................................................................................................................. 119

A Great Place to Live and Study
JCR President’s Report ........................................................................................................ 121

A Fantastic Community
MCR President’s Report ...................................................................................................... 123

Best Results Ever
Churchill Badminton ........................................................................................................ 125

A Fantastic Season
Churchill Football .............................................................................................................. 127
Giving to Churchill ........................................................................................................................................... 171

FRIENDSHIP AND FELLOWSHIP ....................................................................................................................... 175

Maintaining Links
Churchill College Association’s Chair’s Report ................................................................................................. 177

Of Orchids, King Ferdinand and an Earwig
Gervase Vernon .................................................................................................................................................. 179

The Ring: Vienna 1898
Helen Mulligan ................................................................................................................................................... 182

MEMBERS’ NEWS .................................................................................................................................................. 185

WHO’S WHO AT CHURCHILL 2018–2019 ........................................................................................................... 197

IN MEMORIAM .................................................................................................................................................... 223
Again this year our students did us proud. The Senior Tutor tells us that more than one third of our undergraduates’ grades were Firsts, with relatively few II.2s and Thirds. These results again place Churchill within the top quintile of Cambridge Colleges.

This year we put the spotlight on this momentous day – 8 March 1969 – when Churchill Governing Body voted to admit women, the first men’s College in either Cambridge or Oxford to do so.

**College Events** started by celebrating the 80th birthday of two exceptional people – Lord and Lady Broers. Next the Master was in Conversation with Dame Jocelyn Bell Burnell who had to wait until 4 November 2018 to be awarded the Special Breakthrough Prize in Fundamental Physics. To mark the monumental decision of admitting women to Churchill – 50 years ago – the Master’s second conversation was with Professor Alison Finch, and her third was with Professor Melanie Welham, Executive Chair of BBSR. David Reynolds gave a strong endorsement to Allen Packwood’s excellent book *How Churchill Waged War*. This was followed by Helen Pankhurst’s informative and engaging talk on the past and present of women rights. Allen Packwood interviewed John Fleet, the writer and director of the ground-breaking new documentary *Churchill and the Movie Mogul*. In May of this year the opening of Xiaotian Fu Garden took place. The French Ambassador came on a visit and spent a few enjoyable hours in the Archives Centre followed by lunch hosted by the Master. Tim Cribb’s 80th birthday celebration was attended by many Fellows and friends. As is now the tradition College events closed with the fourth meeting of the French Government Fellows.

Our students do not just excel in academic subjects but as **Student Life** amply demonstrates, they are also excellent in many other fields: Churchill Badminton had their best results ever; Churchill Football boasts a fantastic season; Churchill Mixed Lacrosse – absent for a while – had a very strong first season back; Churchill Netball enjoyed an amazing year; Churchill Rugby made history as the most successful rugby team this College has produced to date; remarkable feats were accomplished by Churchill Tennis; and the MCR’s Conference on Everything was an exceptional event this year.
The **Features** section opens with Professor Ken Siddle looking back on his many happy years at Churchill and especially his seven years as Vice Master. Dr David Secher (U67) reminisces about his ‘transformational’ Churchill experience, and his subsequent career. Dr Steve Brabbs (U&G82) recalls his unusual journey from a Yorkshire farm to Churchill College to Luxembourg. We are then invited to read about the stunning landscape that makes up Churchill grounds and gardens. Bruce Simpson (U&G80) enthuses about the Depon McKinsey leadership programme run in cooperation with the Møller Institute. And finally, we hear about *A Day in the Life* of Rebecca Cresswell, Front of House Manager at Churchill.

In **Going Forward** the Development Director gives us a preview of the future events and activities open to alumni, shares with us the College’s new initiatives and future projects and appeals to us to continue supporting our students through donations.

In **Friendship and Fellowship** Andrew Stephenson, Chair of the Association, reports on what the Association did last year and its plans for next year. And the Churchill Writing Group offers us two excellent pieces.

This is followed as usual by **Members’ News** – the many Churchillians’ achievements this past year – *Who’s Who at Churchill* and finally the Review closes with ‘**In Memoriam**’ and tributes to some of our most prominent members.

I take this opportunity to give my thanks to the Development Office and especially to Elizabeth McWilliams with her help with proof-reading; to the Vice-Master and Helen Johnson for their help with the Who’s Who section. And as usual my deepest and most grateful thanks go to Paula Laycock for taking responsibility for all the Review photos.

**Anny King**
‘Everyone has inside of her a piece of good news. The good news is that you don’t know how great you can be, how much you can love, what you can accomplish, and what your potential is.’

Anne Frank
These are uncertain times. Although the gap between when I write this (June 2019) and when you read it will be several months, I don’t think that statement is likely to have changed much. Some things may have become clearer (who has become the next Prime Minister, for instance), but I doubt that either the wider political scene or the more focused world of higher education will have reached a sense of stability and calm. As I write the University is in discussion with the Office for Students (OfS), the new regulatory body for the university sector, about its Access and Participation Agreement. This is a crucial part of the new landscape in higher education.

Supporting disadvantaged students financially

Of course, in Churchill many of the topics that the University is required to address are our bread and butter. We have, for example, always had a high proportion of state-sector entrants, certainly significantly higher than the University average (although last year there was a natural fluctuation downwards, causing our numbers temporarily to fall somewhat; such natural fluctuations can also lead to marked increases in particular years, which is why three- and five-year analysis is so important). We also know that, for the most disadvantaged students, coming from families with extremely low incomes or who are perhaps estranged from their families, the top-up bursaries of £2,000 p.a. we offer on top of any other support makes a massive difference. Our data shows that there is no attainment gap for this cohort of students, whereas elsewhere – where such support is not available – this is not the case. We know how much difference this financial aid makes, because the students tell us (see the videos that we’ve been producing such as www.youtube.com/watch?v=PtNdS-YHwQ4), but equally, so do their exam results. Raising additional funds for student support such as these bursaries is a primary focus of the Development team’s work, as will be apparent elsewhere in the Review.

Supporting students: Race awareness

Making sure all our students thrive at Churchill is about far more than financial support. Many students (and indeed alumni) tell me how welcome they feel in the College from the first moment they arrive. We need to make sure
every student feels like that. To that end, the Senior Tutor and I ran a couple of focus groups to see if there were any issues around racism raising their ugly head. We were satisfied that things were in a reasonable state, although there is always more to be done. Churchill, along with a small group of other Colleges, will be piloting some training and information dissemination around race awareness for staff and fellows over the coming year; some of this is also included in student inductions. We are a very diverse community, with many different nationalities represented, and experiences of overseas students may be very different from those from the UK. This is a complex landscape to traverse to make sure it works for everyone.

Supporting students’ health

Another key issue in ensuring all students thrive relates to their health, both mental and physical. As with every other part of the education sector, we are seeing a rise in the number of students requesting counselling. We have increased provision within the College this year (the University Counselling Service is of course also available to our students) and are keeping an eye on the trends. We continue to have a nurse on site every day. These services take up resources but we believe are crucial for well-being.

Diversity at Churchill

Continuing with the theme of diversity, this year saw us celebrate 50 years since the Governing Body voted to admit women. Serendipitously, the anniversary of this important vote fell on International Women’s Day in March. To celebrate I interviewed one of the first women to join the College as a Fellow, Alison Finch, very much still here (after, it must be admitted, some time away) as part of my series of Conversations with eminent women. You can watch the interview here www.chu.cam.ac.uk/about/events/conversations/professor-alison-finch/, as she talks about some of the challenges she faced both to get to Cambridge and once she was here. It was fascinating to talk to her. In my series of Conversations this year I have also talked with Dame Jocelyn Bell Burnell, including comments on her time as a PhD student working with Emeritus Fellow Antony Hewish when she discovered pulsars, and Melanie Welham, Executive Chair of BBSRC; their interviews are also on the web.
New graduate accommodation

In September we will be opening our new graduate accommodation up at the top of the site (replacing a very ugly ’60s office building). We are very pleased that the Vice Chancellor has agreed to open the buildings. Our goal is to ensure that all graduates can be housed on site for up to two years if they so desire. The buildings look wonderful from the outside, and I am looking forward to a tour of the inside shortly. They have been designed by the same firm of architects (Cottrell & Vermeulen) as built the existing ‘Pepperpots’, more formally known as Bondi, Broers and Hawthorne Houses, and their style closely resembles these older houses. Including the Wolfson Flats this space provides a real community for our graduates which, when the cherries are in full blossom, looks absolutely stunning. I am very grateful to all the alumni who so generously contributed to the cost of the new housing.

The Postgraduate Office

Also relating to graduates, it is perhaps worth mentioning that Council has decided to rename what, for many years has been known as the Tutor for Advanced Students (TAS) Office to the more obvious nomenclature of the Postgraduate Office – in line with official practice in the University. Barry Kingston, who has served for many years as the Tutor for Advanced Students, will be stepping down. The role, now renamed the Senior Postgraduate Tutor, will be filled by Liz DeMarraais from October 2019. I would like to take this opportunity to thank Barry for his tireless efforts to improve the Cambridge experience for the large numbers of postgraduate students who choose to make the College their home during their studies, ably assisted by the wider tutorial team of Alex Webb, Melissa Hines, Leigh Denault and Barry Phipps, and the outstanding administrative support of Rebecca Sawalmeh.

Official opening of the Xiaotian Fu Garden

Continuing on the theme of openings, in May we officially opened the Xiaotian Fu Garden at the back of 72 Storey’s Way (see also p.101). This garden, generously funded as part of a donation from alumna and Phoenix TV star Xiaotian Fu, has been designed as a place for students, fellows and staff to study, teach and more generally find a peaceful space to reflect. Designed by Head Gardener John Moore, the centrepiece is one of two rocks from the Three Gorges in China, near to Xiaotian’s birthplace. We look forward to seeing this lovely space grow ever more beautiful as the garden matures.
Retirement of Ken Siddle as Vice-Master

I have now been in the College for five years, although that feels an incredible thing to say as the time has flown past. I will leave the Senior Tutor to comment on our continuing exam successes, but I would like to close with one further vote of thanks. Ken Siddle, in his role as Vice Master, was the Fellow who first approached me to see if I would be interested in applying to be the next Master back in 2013. He was instrumental in convincing me that the College and I would be a ‘good fit’ and I hope he thinks he got that right! But now, after seven years of sterling service as Vice Master, he is stepping down. During the five years I have worked closely with him I can attest to the help and support he has consistently given me, the wise advice derived from his many years in the College to stop me making a false move. His role will now be taken up by Andrew Webber, another Fellow (in German) of many years’ service who will, I am sure, be another wise head for me to turn to. I deeply appreciate all Ken has done to keep the College on an even keel during my tenure and, all the help he has given me. Thank you, Ken. Enjoy your retirement!

Athene Donald
‘The goal of education is the advancement of knowledge and the dissemination of truth.’

John F. Kennedy
Richard Partington, Senior Tutor and a Churchill Fellow, reports on an exceptional year for our Tripos results with more than one third of undergraduates receiving Firsts. He also reports on the restructuring of the Postgraduate Office, the appointment of new staff in the Tutorial and Admissions Offices, the university student new initiative, the increase in the Winston Churchill Top-Up Bursaries – all aiming at supporting students so that they can perform to the best of their abilities.

Reporting on the College’s undergraduate academic performance is not straightforward this year, because the University has collectively decided that it should not publish, or facilitate the publication of, an overall ‘league table’ of College examination results. The consensus rationale is that such league tables are a crude and potentially misrepresentative measure. There is something really needs to compare oneself with other Cambridge Colleges to ascertain how far improvement in absolute results is a reflection of advancing results everywhere. (Grade inflation, incidentally, occurs in Cambridge primarily because our external examiners from other universities – who are tasked with keeping us honest, as well as keeping us in touch with the reality of standards in wider UK higher education – repeatedly advise us that, to be fair to our own students, we ought to award more Firsts and II.1s.)

Tripos results – our best ever

So, what am I permitted to say? Well, first, our Tripos results in absolute terms were once again excellent: indeed, our best ever. It is especially pleasing that more than one third of our undergraduates’ grades were again Firsts, but this time combined with relatively few II.2s (9.7%, in line with our notional target of <10%) and Thirds (2.2%). And, while there is no overall league table of Cambridge Colleges, it is clear from the results available to
me that this year Churchill was again placed within the top quintile of Cambridge Colleges as judged by examination outcomes. There were no weak subjects in the College in 2018–19. On the contrary, many subjects performed admirably, and our students secured many University prizes for being top of Tripos, or for producing the best dissertation or project in their discipline. I pay my usual, heartfelt thanks to our students for being so talented, curious and engaged, and for applying themselves so assiduously; likewise, to my wonderful colleagues among our Directors of Studies, Tutors and supervisors; they really do work like dogs. Nor should we forget the crucial role our non-academic colleagues play in ensuring that our students are comfortable, relaxed and well fed. This is a team effort – as is the Churchill way.

A data analytics tool

In return for our collective acquiescence in the abandonment of an overall performance league table, the University has provided the Colleges with something really brilliant: a data analytics tool that enables us to interrogate, in much more detailed and nuanced ways, all sorts of information about the College – including examination results but also lots of other useful things, such as student estimations of the quality of their course, the support they receive, the rooms in which they live, the rents they pay, the food they eat, etc. On a subject-by-subject, year-group, educational-background or gender basis, I can now analyse how we are performing in respect of exam results and student satisfaction relative to the Cambridge University average over anything from a one- to a five-year period. This is a really powerful facility that will enable the College to measure and stretch itself in a way hitherto impossible, in the interests of delivering the best-possible experience and outcomes for its students.

Admissions

Our other obvious Key Performance Indicators on the undergraduate side of things relate to admissions and widening participation. Our intake in October 2018 was larger than usual and less representative (62%) of the UK state sector than our average (70%). Both of these things were a consequence of unexpected A-Level results last August (including quite a large number of successful re-marks). We have reviewed this issue strategically, however, and have adapted our pattern of offer-making in the 2018–19 undergraduate admissions round so that outcomes this coming August are more in line with...
our expectations. On the plus side, **38% of our undergraduate intake in 2018 were women**, meaning that we are now well on our way to hitting our target of regularly admitting undergraduates at least 40% of whom are female. (I hope and anticipate that we will hit 40% this October.) Also, very positive was our continued rise in applications, to just shy of 900 – I believe our highest level since the mid-1970s, when our unusual co-educational status was a huge trump card in recruitment.

**Postgraduate student support**

2018–19 has seen quite a lot of structural change on the tutorial side of the College. After many years of exceptional service, Dr Barry Kingston has retired as Tutor for Advanced Students and has been replaced by Dr Liz DeMarrais, who will lead an expanded team of Postgraduate Tutors as our (newly re-named) Senior Postgraduate Tutor. It has taken some time to assemble the team of Postgraduate Tutors I hoped for in the optimum form, but I think we now have a **fantastic group of people** (Liz, plus Dr Sally Boss, Dr Leigh Denault, Mr Barry Phipps and Professor Alex Webb), equipped with a wide range of experience and expertise, to take forward postgraduate-student support in the College. This is a vital part of our re-thinking the College’s identity so that our postgraduate students are as central to our efforts in reality as they always have been theoretically. Also retiring from the Postgraduate Office in College this year is Professor Melissa Hines, who has been a tireless and wise Tutor to both undergraduates and postgraduates ever since she joined us. Both Barry and Melissa will continue to play a key role in supporting our postgraduates by helping cover for colleagues who are on leave.

**New staff in Undergraduate Tutorial and Admissions Offices**

In the undergraduate Tutorial and Admissions Offices, we have welcomed two new staff members, Dr Matt Bullimore and Ms Gemma Turner. Cambridge graduates, they are both providing a much-needed and **very welcome boost** to our capacity regarding widening participation and administration respectively. Already their presence is paying dividends in progress and delivery. Equally helpful has been the appointment of a Deputy Senior Tutor, initially Ms Mary Kendall and then, once she had returned from leave, Sally Boss. We also now have a Finance Tutor, Dr Chris Braithwaite, to help manage the College’s rapidly increasing funds dedicated to student support.
The Student Support Initiative

Turning to the wider picture in the collegiate University this year, there has been a great deal of discussion and work over what is being called, in umbrella terms, the ‘Student Support Initiative’ (SSI). Both the Master and I have been heavily involved in this at committee level, and being able regularly to swap notes with Athene as a disparate range of proposals has rapidly emerged, not always with the co-ordination for which one might hope, has been invaluable. The main planks of the SSI relate to undergraduate and postgraduate financial support, improved and diversified support in respect of student mental health (which will now encompass wider ‘well-being’, involving sport and exercise, and other activities liable to enhance work-life balance), and a new offering regarding undergraduate admissions – currently being negotiated with the Regulator, the Office For Students (OFS). Much (though not all) of what the University is envisaging is in line with our own, well-established vision in Churchill: for instance, in respect of potentially making significant additional sums of money available to undergraduates from the most disadvantaged backgrounds or providing much better funding for Masters students. This is gratifying and reassuring.

The Winston Churchill Top-Up Bursaries

A personal delight for me this year was being able to award more Winston Churchill Top-Up Bursaries (eight in total) to our poorest and most disadvantaged prospective undergraduates than we had anticipated being able to do. This is a consequence of our having raised more money than expected from alumni for this vital initiative. As someone directly invested in this project, I would like to offer my personal thanks to all the donors who enabled this vital work to flourish. I would also like to encourage those who might donate but who have not yet done so to dig deep! My colleagues awarding the Winston Churchill Bursaries this year, who interviewed the candidates and considered their circumstances at great length, were hugely impressed by their merit and potential, and were (literally) moved to tears by some of their circumstances.

Richard Partington
A Diverse Community in the Pursuit of Excellence

Excellence in the Sciences …

Megan McGregor, working for a PhD in Materials Science, won first prize in this year’s Young Persons’ Lecture Competition (see p.189). The Competition was organised by the Institute of Materials, Minerals and Mining, sponsored by the Midland Institute of Mining Engineers, the East Midlands Materials Society and supported by the Worshipful Company of Armourers and Brasiers.

Owen Crawford, a fourth-year medical student, was appointed as a Psych Star for 2019–2020, one of ten medical students nationwide. He is provided with access to a £1,000 fund travel, conferences, courses and books. He will also have a mentor who will guide him through the year. In exchange for the benefits, his role is to act as an ambassador for psychiatry within Cambridge. Another medical student, Kieran Kejiou, was awarded a distinction in a national cardiothoracic competition.

Elsa Matthus, who was working for a PhD in the Department of Plant Sciences, published a paper in the journal Plant Physiology entitled ‘Phosphate starvation alters abiotic stress-induced cytosolic free calcium increases in Arabidopsis roots’. Calcium is an important signal transducer in many biological systems and her work revealed how nutritional status adds another so far unexplored level of complexity to the use of [Ca2+]cyt as a signal transducer and furthers our understanding of how plants integrate various environmental cues. The journal also wrote a profile about Elsa.
Jacqueline Siu, who is pursuing a PhD in the Department of Surgery, presented a talk at the Keystone T and B Cell Interactions conference in Colorado on Non-Conventional Memory B cells in tissues.

Diana Popescu is a PhD student in Computer Science and a Marie Curie Early-Stage Researcher in the Networking and Operating Systems Group. Diana was selected to participate at the Heidelberg Laureate Forum 2018 as a Young Researcher. Diana has also been named a Google Women Tech makers Scholar 2017. Through the Women Tech makers Scholars Program, Google is furthering the vision of creating gender equality in the field of computer science by encouraging women to excel in computing and technology and become active leaders and role models in the field.

Daniel Elias Martin Herranz who is working for a PhD in the European Bioinformatics Institute, has, with colleagues, created a start-up company called Chronomics in 2017. Since then they have closed two rounds of funding and the projects keep growing. They are the first company offering epigenetic testing to measure the effects of your lifestyle and environment on health.

Another of our students Luca Stefanucci, presented a poster at ‘The Genome in Three Dimensions’ EMBO workshop-conference in Kyllini, Greece. His poster was entitled ‘Identification of non-coding regulatory elements of genes involved in bleeding, thrombotic and platelet disorders’. Luca is pursuing a PhD in the Department of Haematology.

Barry Coughlan who is pursuing a PhD in Public Health and Primary Care was the first author on a paper published in Developmental Child Welfare on autism and attachment. There have been a number of different attachment classifications identified in children. Children with secure attachment to their parents or caregivers feel protected and know that if their caregivers leave, they will return. Disorganised attachment, which occurs when there is a lack of attachment, was first introduced and conceptualised by the attachment researcher, Mary Main.
Mojtaba Abdi Jalebi was awarded the Institute of Physics Semiconductor Physics Thesis Prize 2018.

Chioma Achi, who is pursuing a PhD in Veterinary Medicine, won the prize for the ‘Best Main Presentation’ for her talk on Genomic analysis of antimicrobial-resistant Salmonella species isolated from Nigeria at the Inaugural Africans in STEM Symposium. The Africans in STEM Symposium seeks to create an opportunity for Africans across all STEM fields in the UK to connect, share ideas and create possible collaborations.

... and in the Humanities too

Rihab Khalid who is working for a PhD in Architecture, presented 3 papers during 2018–19 in peer review journals, and she was also invited to present a paper at the 5th European Conference on Behaviour and Energy Efficiency (BEHAVE), in Zurich.

Charlie Ebert, who is a PhD student in Management Studies at the Judge Business School, was awarded a £30,000 grant for research on creativity. Another PhD student at the Judge Business School, Jinhua Wang, was the inventor of a ‘Method, device, and system of security prejudgment based on characteristic information’ that was granted a patent. His work relates to cloud computing technology and the unravelling of hidden dangers relating to factors that affect people’s safety or interests with respect to a certain condition, thing, or event.

Tom Auld, who is a PhD student in the Faculty of Economics, together with his co-author Oliver Linton received a lot of press coverage (Daily Mail, Express, Der Spiegel, Hindustan Times, Sky and other places online, local radio etc.) for some work they published regarding how betting and financial markets performed on the night of the Brexit Referendum. The Research showed how financial markets should have predicted Brexit hours before they eventually did.
Finally, **Rebecca Courtier**, who is currently pursuing an MPhil in the Faculty of Modern and Medieval Languages, presented a paper at the ‘Delays/Retards French Graduates Conference 2019’ at Christ’s College Cambridge. Her paper ‘Personhood, politics, place, parole: reading “in-between” the lines of *La Fille du Comte de Pontieu* and *Peau Noire, Masques Blancs* (Frantz Fanon)’ compared portraits of culturally marginal figures in medieval French literature with those of (post-)colonial subjects, as drawn out by Franco-Antillean anti-colonial polemics.

**New Graduate Accommodation**

The new graduate accommodation is now complete and available for occupation. Two of the three individual houses have been named Boyd House and Wallace House.

Barry Kingston
Making the Most of our Resources

Tamsin James, Bursar and a Churchill Fellow, gives us an account of the next phase of development for the College and the efforts made to increase the endowment so that College can continue to support its students’ learning and well-being and enhance its standing in delivering innovation and academic excellence.

This has been another strong financial year for the College and we are anticipating a balance on our income and expenditure of over £600k. This reflects the continuing success of our commercial activity and the generosity of our donors and will be crucial in supporting us through the next decade as we make much needed investments in staffing and infrastructure.

A great deal of work has been going on behind the scenes. More than 50% of our income is spent on salaries and academic stipends. Growing activity levels in student support have required enhancement to our staffing structures in several areas to ensure that we can continue to provide students from any background with the best welfare and tutorial assistance, as well as excellent cost-effective facilities that support their learning and well-being.

Development of the estate

Significant enhancement to these facilities has already been achieved. The completion of Cowan Court, and the new graduate houses, which were substantially funded by generous donations in honour of former Masters John Boyd and David Wallace, as well as the refurbishment of 68 Storey’s Way, which was undertaken incredibly successfully in-house, have created a much needed extension of the College’s estate for undergraduates, graduates and their extended support. Having completed this phase, we are now focusing on the development of a strategy for the future of the estate and are putting in place staffing structures to support this. Along with promoting the former Deputy Maintenance Manager, Michael Doyle, to Buildings and Maintenance Manager, we are recruiting to a new Head of Estates role. This new role will bring together maintenance and development of the estate, together
with grounds and gardens and oversight in health and safety and support the College in reviewing the site plan and setting the strategic development of the estate for the next decade. The next phase of development will focus on the back of the College main building and other areas around the private road as we undertake the challenging task of rebuilding the College’s main access route, which after nearly 60 years is now feeling its age. The use of the site has changed dramatically over that time and we need to try to anticipate how it will continue to change over the next 60 years. The Xiaotian Fu Garden and the Creative Hub will form part of this exciting new future, enhancing the grounds and gardens for study and contemplation and utilising the old oil store to provide a space where multidisciplinary, practical and creative work can be collaborated on by students from across the College’s academic disciplines.

**Investing in infrastructure**

As well as improving the physical fabric of the estate, the College is also now investing in infrastructure in a wider sense. Having recruited a new IT Director last autumn, we are embarking on a transformation project for IT, which will ensure that our provision continues to reflect the College’s ethos as progressive and forward thinking and enhances our standing in delivering innovation and academic excellence.

**Fundraising activities**

Following completion of the graduate housing campaign, the focus of our fundraising activities over the year has been on student support and this will remain a key priority in the face of increasing financial pressures on students and the importance of making the opportunities at Churchill available to all who may benefit from them.

**Finances**

Although we now have over £100m funds under management, £24m are the result of two long-term bond issues and the total return drawdown accounts for only 17% of our income, in comparison with up to 75% in older, better endowed Colleges. Whilst we continue to strive to increase the endowment to ensure a strong and sustainable future for our students, we remain heavily dependent on the continued success of our commercial business and the strengthening of the Møller Institute’s contribution, following its redefined
business strategy. We continue to be indebted to the College’s external Directors and committee members for their support in developing and implementing the College’s financial strategy. Tim How and Chris Potts have been joined by Simon Bittleston on the Møller Board, and Tim Ingram has been joined by Neil Canetty-Clarke on the Finance Committee, as well as continuing on the Investment Committee, along with Michael Cowan and Ric Berman. Together they provide valued challenge and expertise to help us continue to enhance and make the very most of our resources.

Tamsin James
 Delivering a Flexible, Efficient and Friendly Environment

Shelley Surtees, Domestic Bursar and a Churchill Fellow, gives us a detailed report of the many activities that have happened in College and in particular the new graduate accommodation and the continuing success of the College commercial activities in which Shelley and her team are closely involved.

This year I have been very focused on the delivery of the new graduate housing project. Working with two alumni, Simon Tucker and Pricilla Fernandes, of Cottrell & Vermeulen Architecture, has been a pleasure.

The new graduate accommodation
As alumni of the College, Simon (U86) and Pricilla (U04) both really understand what it means to be a Churchillian, the importance of functional, practical and beautiful builds to aid work, rest and play, and the impact good housing has upon our community. The resulting accommodation is a sight to behold. It consists of five small couples’ flats and 30 individual rooms, enhancing our existing graduate accommodation community with a careful nod to both the original building and the surrounding Arts and Crafts houses.

The refurbishment of Whittingehame Lodge
We have also been reviewing our plans for the refurbishment of Whittingehame Lodge, working on provisional plans for the creative hub and planning our future summer refurbishment works to the undergraduate staircases. Our Maintenance Manager, Gavin Bateman will shortly retire after 12 years of loyal service. We have decided at this juncture to review the structure of the department and are pleased to announce the internal promotion of the Deputy Maintenance Manager, Michael Doyle.

The Porters’ Lodge
The Porters’ Lodge has recently been bolstered by the addition of a Deputy Head Porter, Rachel Begbie. Rachel has joined us from another College and
brings with her a wealth of experience, both attained in her former role and in her previous work as a teacher.

**Our commercial activity**

Commercial activity within the College remains buoyant, and I am pleased to report that we again exceeded both our income and profit targets for the last financial year, **contributing over £1.3 million to the College's financial health**. Our main users continue to be predominately returning clients with whom we have built strong relationships as a result of our ability to deliver flexible, efficient and friendly environments for their delegates. Brexit has caused us a period of uncertainty, and as you would expect we spent a considerable amount of time planning and preparing to ensure that, should the worst happen, we are in the best possible position.

**Working with the Boat Club**

One of the most rewarding aspects of my work at College is the interaction that I enjoy with our members, both current and past. Working with the Boat Club has been **both interesting and rewarding**, with some successes on the river and in the workshop. Part of our strategy to support the students more effectively has been to move from a reactive boat maintenance stance to a pre-planned preventative maintenance programme, and we are all beginning to feel the effects of this.

**Spring Ball in February**

Spring Ball, as ever, took up vast amounts of my time during the Michaelmas and Lent terms. The students worked hard and pulled together a great event for which they received some excellent feedback. Operating as we do in a time of many legislative requirements for such events the demands of Spring Ball upon the management team have become increasingly challenging and with more competition the students are finding ticket sales increasingly difficult. In light of this College Council have decided that the event will take place every other year. This will allow us to give the event the support it needs, and hopefully drive participation both with regards to the committee and to the event itself.

Shelley Surtees
Introducing the Women
Director of the Archives Centre’s Report (2018–2019)

Allen Packwood, Director of the Archives Centre and a Churchill Fellow, reminds us that November 2018 was the centenary of the Act that allowed female election to parliament, marked by a display called ‘Uphill All The Way’ in the Archives Centre. He also reminds us that the Archives house the papers not just of Margaret Thatcher, but also of two other parliamentarian pioneers – Mary Agnes Hamilton and Florence Horsbrugh. He then switches the focus of his report to highlight the importance of recognising the contribution of women scientists such as Professor Lise Meitner. Allen concludes his piece fittingly by saying that there is still much more to be done ‘to combat gender bias and inequality’.

We must face the sad fact that Winston Churchill does not have a positive record on female suffrage. This was the man who, when targeted by suffragettes, declared he would not be ‘henpecked’ and who was famously attacked by the whip-wielding Theresa Garnett on Bristol Temple Meads railway station in November 1909. When it was suggested that Churchill College might be co-educational from its foundation in 1960, Sir Winston’s close friend and former Private Secretary, Sir Jock Colville, wrote that adding women to the mix would be like ‘dropping a hydrogen bomb in the middle of the university’.

And yet, in spite of such entrenched male privilege, Churchill’s lifetime and the years that have followed have seen huge changes in the role and position of women within society. It is of course vital that these are documented within our collections, and this year has seen us collect and open new material and mark important anniversaries.

Uphill All The Way

November 2018 was the centenary of the Act that allowed female election to parliament. To commemorate this landmark moment, Archives Assistant Heidi Egginton researched and produced a wonderful display called ‘Uphill All The Way’. An online version can be viewed at www.chu.cam.ac.uk/archives/events/. In Heidi’s own words: ‘Uphill All the Way features highlights from
three of the Churchill Archives Centre’s collections belonging to pioneering parliamentarians – Mary Agnes Hamilton, Florence Horsbrugh and Margaret Thatcher – and also delves into the personal papers of some of their contemporaries to uncover a century of women’s contributions to modern British political life. Among the visitors were members of Mary Hamilton’s family, leading to the deposit of more material relating to this understudied Labour politician.

The exhibition was the perfect backdrop for a talk by the contemporary campaigner for women’s rights, Dr Helen Pankhurst, herself a direct descendant of suffragettes Emmeline and Sylvia. Her interactive session, provocatively titled ‘From the Suffragettes to the Snowflakes’, drew a huge crowd and sparked debate across the sexes and the generations.

Women Scientists

In January, the Archives Centre moved the focus from female politicians to women scientists with a one-day symposium on the life and legacy of the Austrian-born Jewish physicist Professor Lise Meitner. Her papers document her career as a ground breaking experimentalist, who ultimately helped discover and interpret nuclear fission, and who faced hostility on grounds of race and sex, only just escaping from Nazi Germany in 1938. Her long term collaborator Otto Hahn received the Nobel Prize in 1944, ‘for his discovery of the fission of heavy nuclei’, while she did not. The event brought together relatives, scientists and historians and culminated in a performance of the one-woman show ‘Curie Meitner Lamarr Indivisible’: a fitting tribute to the resilience and scientific expertise of these three very different but equally motivated characters.

Other activities

In February, the Centre opened the personal papers of Margaret Thatcher for 1989. The main focus of the resulting press stories was on her use of alternative medicines recommended by the romantic novelist Barbara Cartland. Would this have been the same had she been a male Prime Minister? While in March, the College archives helped mark the fiftieth anniversary of Churchill College’s historic vote to admit women (the first all-male College to do so). The university did not implode!
Keeping pace with change

A positive theme in all these events is how much has changed, but in all cases the resulting debate and discussion also highlighted how much more needs to be done to combat gender bias and inequality. For its part, the Archives Centre must think about its own collections and collecting policy. The majority of the seven-hundred or so sets of personal papers in our care were generated by white, privileged, elite males. This is perhaps not surprising for an archive that initially specialised in capturing the history of policy and strategy in the Churchill era, but we need to make sure that we keep pace with the changes that have taken place and capture the records of some of the pioneers who have driven this transformation.

Allen Packwood
Supporting the Education of Future Leaders

Gillian Secrett, CEO of the Møller Institute and a Churchill Fellow, gives us a detailed account of the achievements of the Institute to date and the expansion of its programmes in executive education. Gillian tells us that the Møller as a training and conference venue is again in a premium position.

We have been focusing on extending our leadership development and executive education work into UK and Europe and new geographies, as well as maintaining and expanding our incredible reach and reputation in China. The hire of former Tokyo-based DIT Head of Trade Development, Richard Buttrey, to spearhead the Institute’s executive education growth in South East Asia has delivered us a substantial new contract for 2018/19.

The Global Leadership Development Programme

We are working with leading Japanese drinks company, Suntory, as strategic partner for their Global Leadership Development Programme, a flagship multi-module, multi-region investment in developing future leaders. Suntory’s well-known UK brands include Lucozade, Jim Beam and Ribena and they have a diverse portfolio of beverages, premium spirits, beer and wine, and wellness products throughout the world. The Suntory programme is for 24 of its most promising young stars from all over the world. Complementing the delegates’ experience of self-discovery in the New Zealand outback and a programme delivered by Møller Institute faculty in Tokyo, the group spent a week at the Møller Institute focusing specifically on mindset and leadership, disciplined entrepreneurship, creativity and connectedness. The group heard from leading lights in the Cambridge innovation ecosystem, including amongst others, Churchill Fellow Tim Minshall, Professor of Innovation and head of the Institute for Manufacturing who is a regular contributor to Møller Institute leadership programmes, Allen Packwood, Director of the Archives Centre, and Barry Phipps, Director of Studies in the History of Art and Director of Visual Art at the Møller Institute.
Programmes for Future Leaders

Working in Japan again is personally satisfying for me, having started our executive education journey there in 2003 with NTT DoCoMo and Japan Railways (JR Group) with the help of Churchill College Alumni Miles Craven. Since then, over 5000 senior and aspiring global leaders have attended the Møller Institute leadership development programmes enabling us to covenant our profits back to the College to help grow young leaders of the future. Our expertise and experience in designing and delivering leadership programmes for high-potentials and young leaders has also seen us partner with the University of Sydney and the British Council in 2018–19.

Working with Chinese Banks and Unilever

Our success in China continues: our experienced team, including Mark Carberry, Jeffy Li and Andy Zhang, have been joined by new members including Susana Lee from the Hong Kong Trade Development Council, and Difei Lui, postgraduate in international development at the University of Edinburgh. We are proud to be working with the biggest banking brands in the world including Export-Import Bank of China; China Development Bank; Industrial and Commercial Bank of China; and China Construction Bank.

We have also worked with Unilever and the International Leadership Association (ILA) on a project to explore the ‘Power of Purpose’ with some of our corporate and academic community. This work has helped us to refine our own purpose to encapsulate all that we stand for and do at the Møller Institute: To inspire individuals to be the best they can be, to accelerate the performance of the organisations which they serve and have a positive impact on society and the environment. Through our work, we covenant all profits to Churchill College to support the education of future leaders.

Recognition

Helping clients to deliver impact back into the workplace is what underpins all Møller Institute programmes. Many of our clients return to us because the skills we develop help to improve the individual’s impact as a leader so they can be agile as well as resilient to lead and implement change and make effective decisions to accelerate the performance of their organisations. We develop the ability to influence culture and mindsets and lead high performing teams to deliver desired results. The feedback about the impact
of our programmes is extremely positive. During the year, our **premium position in the market** as a training and conference venue was confirmed by client feedback: we received a Gold Standard Net Promoter Score of +79 for the year and the highest ever score awarded by our Hospitality Assured assessment of 89.9%.

These awards are a real testament to all of our staff who constantly ensure that they extend our values and those of our founder, Maersk McKinney Møller to all of our clients, of trust, integrity, team and constant care, dedicating themselves to our customer promise: *you are at the heart of everything we do*.

**Continued growth**

Our residential meetings and conferencing business continue to grow and diversify. We are **selling to new audiences** by shaping our availability around packages which also make the most of Cambridge as a destination and our rooms and grounds as a ‘retreat’ for businesses to spend more than just the day with us. Clients who have been with us this year include HSBC, Nationwide, Jagex, Open University, AstraZeneca, Travers Smith, Mills & Reeve, Shell, BP and Abellio, amongst many others.

We are grateful to so many members of College and in particular to the Fellowship and Churchill Alumni base for sharing their time, wisdom and network of contacts with us so that we can convene the best of the University of Cambridge academics, leadership experts and industry practitioners to support strategy, innovation and cultural change to our global clients. We really value the warmth, support and respect of Churchill College members and alumni and share a strong sense of belonging to the Churchill community.

I would like to extend a personal thank you to the entire team for all their hard work, professional and friendly support of our clients.

Gillian Secrett
Outstanding Levels of Support

Francisca Mallarée, Development Director and a Churchill Fellow, reports on another year of outstanding levels of support for both the Development Office events and the College’s fundraising priorities. She tells us that in the last financial year, over £4 million was donated by alumni and friends of the College for our educational mission.

At the time of the last report we had raised £1.5 million for the graduate housing at 36 Storey’s Way. Thanks to some anonymous donors’ support with matching funding and the many alumni who responded to this challenge, we raised the remaining sum towards the autumn of 2018 to complete the £5 million needed for the building.

We are delighted that the opening of the 35 new graduate student rooms took place this September when the development including Wallace and Boyd houses was opened by the Vice-Chancellor of the University, Professor Stephen Toope.

Student support funds

Many readers will have seen the publicity surrounding the University’s campaign to raise £500 million for student support — to some extent Churchill is ahead of the curve in this area. Student support has always been important here. We are committed to diversity, with usually over 70% of students coming from state schools. We also have a large number of students needing financial support so we made Student Support funds a priority area this year — Churchill alumni have responded very generously to this. We wish to encourage the most qualified applicants at both undergraduate and postgraduate level regardless of their financial circumstances. We also have to spend a considerable amount of unrestricted funding in this area, so endowed or expendable funding for student support releases funds to be used anywhere else.

Overall nearly £2 million has been donated or pledged in support of students at all levels this financial year, which is enormously appreciated.
One of our main objectives was to replace £20,000 of funding per year (£80,000 per year for concurrent funding) for the Winston Churchill Top-Up Bursary. These bursaries are targeted at the least privileged students, where their parents’ income is less than £25,000 per year. On top of the full £3,500 Cambridge or College bursary, they receive an additional £2,000 which for many means they do not need to take on paid work over the Easter vacation but can concentrate on their studies.

Additional to this, replacing the funding for the 100 or so Cambridge bursaries the College funds annually, costing around £200,000 in unrestricted funding, is a priority. This would be £5 million to replace with endowed income. The Development team worked with the tutorial and TAS office to contact many students and gather information about the challenges they are facing financially, and the benefits they are getting from various student support funds.

The many stories are on our website at:

www.chu.cam.ac.uk/alumni/giving-college/current-appeals/support-our-students/

We are extremely grateful to the students for their participation in helping Churchill raise more funds for this important area, and to donors who are helping transform the lives of future generations of students.

**Bursaries**

One alumnus has very generously established a new bursary fund, the **Southern African STEM bursary fund**, targeted at an undergraduate from one of the Southern African countries, to read a STEM subject – we are grateful for the endowment of this fund which will give opportunity to students from the continent.

To date, we have a new pledge of £90,000 to match gifts to the **Winston Churchill Top-Up Bursaries** over three years, from an alumni couple based in the USA, which will go a long way to fully funding this need. We also have additional funding thanks to another matching pledge from the Senior Tutor for the same cause. We have thus far raised over £180,000 (including pledges) for this important cause.
The 1960 Club

This initiative was suggested by alumnus Sir Peter Gershon (U66) and recognises those who have donated £1960 per year for student support. Those joining will have a specific annual event in College or London and will receive a dedicated newsletter each year. This sum is enough to fund one Winston Churchill Top-Up Bursary.

Postgraduate student funding

We are also grateful to those who have supported our postgraduate student funding, for example we now have a funded MPhil for a Chinese Studies student thanks to Simon Henry (U79) donating in this area. We also have continued support from Schlumberger for research students, and of course for the Churchill Scholars through the Winston Churchill Foundation of the US.

Telethon

We are delighted that again nearly £400,000 was raised in the latest telethon which took place at the end of June and the beginning of July 2019. We have had fantastic feedback from alumni who really enjoyed speaking to our current students. We also had a great response to the matching challenges given by a US based couple for the Winston Churchill Top-Up Bursaries and by another alumnus for the Student Support funds.

Reunion Giving

This year we have experimented with reunion giving. Our reunion group coming back was from 1977–81, and an alumnus from 1977, Peter Hughes, suggested that we try asking these years to endow a full bursary – the cost of endowing one is £100,000, which generates £3,500–£4,000 per year. We were really pleased that the target was reached, especially thanks to calling during the telethon so that we will be able to award this new bursary from October 2020.

Churchill Boat Club

There has been a resurgence in support for the Boat club this year. Thanks to some efforts combined with students’ help with crowdfunding, new blades were purchased for the first women, and enough was left from the
donation to buy a new coxless pair. We were delighted that we also got Canon Duckworth’s boat refurbished and also received his timepiece back from an alumnus for the College archives, where it has pride of place with his 1936 GB Olympic rowing cap.

**Past Events**

We have now developed a more extensive events programme for alumni engagement and donor stewardship.

<table>
<thead>
<tr>
<th>Events</th>
<th>2018</th>
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<tbody>
<tr>
<td>Reunion Dinner, 50 years (1968)</td>
<td>Friday 6 July</td>
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<tr>
<td>Reunion Dinner, 2005–09</td>
<td>Saturday 7 July</td>
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<tr>
<td>Donor Garden party</td>
<td>Sunday 8 July</td>
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<tr>
<td>Cambridge alumni drinks, Varsity hotel</td>
<td>Wednesday 11 July</td>
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<tr>
<td>Alix Pryde Regent’s Park trip</td>
<td>Saturday 1 September</td>
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<tr>
<td>Geneva Alumni event</td>
<td>Saturday 8 September</td>
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<tr>
<td>Alumni Association Weekend</td>
<td>Friday 21–23 September</td>
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<tr>
<td>London pub night</td>
<td>Monday 1 October</td>
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<tr>
<td>Allen Packwood talk in NYC</td>
<td>Thursday 11 October</td>
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<tr>
<td>Folger Library event</td>
<td>Tuesday 16 October</td>
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<tr>
<td>Churchill Business Network: John Sawtell, Jaini Patel and Michael Cowan – finance panel</td>
<td>Wednesday 14 November</td>
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<tr>
<td>Joint Corpus pub night, London</td>
<td>Thursday 15 November</td>
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<tr>
<td>The Conversation: Dame Jocelyn Bell Burnell</td>
<td>Wednesday 28 November</td>
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<tr>
<td>Alix Pryde Kew Gardens trip</td>
<td>Saturday 1 December</td>
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<tr>
<td>Alumni London Dinner with the Master</td>
<td>Wednesday 5 December</td>
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<tr>
<td>Varsity match alumni event</td>
<td>Thursday 6 December</td>
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<tr>
<td>Bath alumni lunch with Jennifer Brook</td>
<td>Thursday 6 December</td>
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<tr>
<td>Events</td>
<td>2019</td>
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<tr>
<td>-------------------------------------------------------------</td>
<td>-----------------------------</td>
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<tr>
<td>Shell Prize</td>
<td>Wednesday 30 January</td>
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<tr>
<td>Kit Cheung NY/NJ/PA brunch</td>
<td>Sunday 3 February</td>
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<tr>
<td>Bursary Donor dinner</td>
<td>Thursday 21 February</td>
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<tr>
<td>MedVet Soc dinner (alumni invited)</td>
<td>Friday 1 March</td>
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<tr>
<td>The Conversation: Professor Alison Finch</td>
<td>Friday 8 March</td>
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<tr>
<td>Talk by Lord Justice Sales event: The role of a Judge in Democracy</td>
<td>Monday 11 March</td>
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<tr>
<td>Dinner in NYC with Michael Cowan</td>
<td>Wednesday 13 March</td>
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<tr>
<td>Winston Churchill Society Legacy lunch</td>
<td>Thursday 14 March</td>
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<tr>
<td>Computer Science Lecture &amp; Dinner (Sophie Wilson)</td>
<td>Friday 15 March</td>
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<tr>
<td>Alex Hopkins Lecture</td>
<td>Friday 22 March</td>
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<tr>
<td>Hong Kong alumni dinner</td>
<td>Thursday 11–April</td>
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<tr>
<td>University campaign event (Hong Kong)</td>
<td>Friday 12 April</td>
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<tr>
<td>MA dinner</td>
<td>Friday 26 April</td>
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<tr>
<td>Enterprise Competition Final + Dinner in FDR following the event</td>
<td>Monday 29 April</td>
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<tr>
<td>Choir concert at St Mary le Bow and informal drinks</td>
<td>Wednesday 1 May</td>
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<tr>
<td>Association Trinity Oxford Dinner</td>
<td>Sunday 5 May</td>
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<tr>
<td>University campaign event (New York)</td>
<td>Monday 6 May</td>
</tr>
<tr>
<td>University campaign event (San Francisco)</td>
<td>Wednesday 8 May</td>
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<tr>
<td>The Conversation: Professor Melanie Welham</td>
<td>Thursday 9 May</td>
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<tr>
<td>Xiaotian Fu Garden opening</td>
<td>Friday 10 May</td>
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<tr>
<td>Oak Circle Dinner</td>
<td>Friday 10 May</td>
</tr>
<tr>
<td>University campaign event (London)</td>
<td>Monday 13 May</td>
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</tbody>
</table>
It has, as always, been great to meet alumni at all the events, particular highlights being the events in London, which have been really popular – special thanks to all those who have spoken at these, including Jaini Patel (U93), John Sawtell (U91), Michael Cowan (U70), Lord Justice (Phil) Sales (U80), Sir Paul Nurse. We are also grateful to those who have helped with hosting, including Greg Lock and Mark Watterson.

We are delighted that the Xiaotian Fu (G06) garden is now open (there is more on this elsewhere) and we were blessed with good weather for the day, and guests included representatives from the Chinese Embassy.

It was fantastic to welcome so many alumni back to College through the Association Weekend and the special celebration of the 50th anniversary of the College voting to become co-ed in 1969. We marked this with a ‘Conversation’ event between the Master and Professor Alison Finch, who was one of the first female Fellows at Churchill.

**Future events**

We are currently finalising our programme for the next academic year 19/20, including major celebrations for the 60th anniversary of the College in 2020. There will be at least one gala event in London and several in Cambridge for the Alumni Association weekend 2020 – which will be a major weekend of celebration of Churchill College’s 60 years of advancing knowledge.

Though the programme for the anniversary year has not yet been finalised, there are details of the programme in the ‘Going Forward’ section.

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Master’s Circle Dinner (£100k+): David Spiegelhalter speaking</td>
<td>Friday 17 May</td>
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<tr>
<td>Sir Paul Nurse Talk, IoD London: Science as revolution</td>
<td>Monday 20 May</td>
</tr>
<tr>
<td>Graduation</td>
<td>Saturday 29 June</td>
</tr>
<tr>
<td>Reunion 1969: Fifty years on</td>
<td>Friday 5 July</td>
</tr>
<tr>
<td>1977–81 Reunion</td>
<td>Saturday 6 July</td>
</tr>
</tbody>
</table>
International events

We worked with the Archives Centre team to host an event for alumni in Washington DC in October 2018 at the Folger Library there, and the Director of the Archives Centre, Allen Packwood spoke to Churchill and Cambridge alumni and Archive centre supporters in October in New York. We are very grateful to KK Chan (G86) for organising various events for alumni there and also for a successful dinner held at the China Club in April, where we had over 10% of our HK based alumni attending. We also participated in the ‘Dear World, yours Cambridge’ series of campaign events in all locations.

Churchill Connect

This year we launched Churchill Connect to replace Churchillians.net, which had been dormant for a number of years. Churchill Connect interfaces with Facebook and LinkedIn, and allows alumni to offer mentoring to each other and to students, as well as to reconnect with old friends.

Last year we had over 1,100 alumni coming back to events in College and all over the world. Because of our increased and more varied programme we have added two new members to the Development team, Leigh-Anne Slade and Sharon Brownlow.

Acknowledgements

I am grateful to all the members of the team and the Development board members, Michael Cowan (U70), Greg Lock (U66) and Tony Wild (G68) for their support. We have a diverse alumni community and we are grateful for all those who support the College whether by giving their time or donating funds. This helps to ensure College can continue to deliver excellence in teaching and research for future generations of students in these uncertain times.

Fran Malarée
DONATIONS

SHALL WE FLY
‘You have not lived today until you have done something for someone who can never repay you.’

John Bunyan
We are very grateful to all the following alumni and friends who have chosen to support Churchill College. All those listed below have made a gift during the period 1 July 2018 to 30 June 2019. (N.B. Gifts made after this date will be acknowledged in next year’s Review.)

Participation rates are given for each year group and are calculated based on both one-off gifts and regular gifts.

<table>
<thead>
<tr>
<th>Year</th>
<th>Participation rate</th>
<th>Contributions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1960</td>
<td>9.6%</td>
<td>Professor D W Cameron, Dr J A Haines, Dr R K Livesley**, Dr D A Robb</td>
</tr>
<tr>
<td>1961</td>
<td>19.2%</td>
<td>Mr M Adamson, Mr E W Addicott, Professor N W Ashcroft, Mr J H Burton, Mr W J Capper, Mr M J Chandler, Mr P M C Clarke, Mr M R Cooper, Professor E Cundliffe, Dr I B Duncan, Right Reverend J W Gladwin, Mr S T Green**, Dr E M Hayon, Mr G T Johnson, Mr D E W King**, Mr N G Kingan***, Mr T R Latton, Mr A E Leigh-Smith**, Mr M D Litherland, Professor R J Oldman**, Mr S M J Peskett**, Mr C J Tavener*, Mr G V Thomas, Mr A F Thomson</td>
</tr>
<tr>
<td>1962</td>
<td>16.4%</td>
<td>Mr W Aitken, Mr C M L Argent*, Professor G L Austin, Dr G W Bibby, Dr J Connor, Mr R J Davies**, Mr D M M Dutton***, Mr J A Edwards, Dr P A Gait, Mr M R P Hayles, Mr R Helmer, Dr P T Jackson, Professor R M Loynes**, Mr D A A Marshall, Mr A W Moss, Mr A Pearse, Mr I C Robinson, Mr R H N Salmon, Mr W Silverman*, Dr M A Stroud**, Mr H E Williams, Dr D R Woodall**, Mr B Yates***</td>
</tr>
<tr>
<td>1963</td>
<td>18.5%</td>
<td>Dr R V Aldridge*, Mr J C Barlow, Dr R Barras, Dr J H Brunton**, Mr T S Culver*, Professor S T de Grey***, Professor A L Goldberg</td>
</tr>
</tbody>
</table>
Mr P B Goldstein
Dr O T Hargrave
Professor G M Heal
Dr D P Knight
Mr H FA Marriott**
Mr J R Mason
Mr A G N McLean
Dr D C Pinder
Mr J G Potter
Mr G C Pyke
Professor R B Pynsent***
Mr G K Rock-Evans**
Mr J C Q Rowett
The Reverend A W Shaw
Mr D T Silcock
Mr R J Tarling*
Mr G R Taylor
Mr F E Toolan**
Mr R M Walker
Mr D G Watson
Dr E D Williams
Mr N E Wrigley**

1965
Participation rate: 13.8%
Dr J S Barton
Professor A G Burton
Dr N H Buttimore
Dr J R Crabtree**
Dr N W Dean**
Dr G J Forder
Dr K N Frayn
Mr N S Gamble
Dr J L Gluza
Mr C Harvey**
Mr S J Hoather
The Reverend J Johnson
Mr T A Key*
Mr M J Kingsley
Mr H S Lake**
The Rt Hon The Lord Colin M Low
Mr C P S Markham**
Mr H R Marshall Jr
Dr J H Musgrave
Mr R C W Newbery
Mr C R Pegler
Dr T L Roberts**
Mr G K Sampson
Dr E R D Scott*
Dr R F Smith
Professor R C Spear
Dr C H Sworn
Mr E O Thorland
Dr P N Trewby***
Mr N Wilson

1964
Participation rate: 10.6%
Dr A F Bainbridge
Mr J A Ballard*
Dr C M D Beels
Mr G M Coomber
Professor T W Cusick
Mr L R Deacon
Mr N J Denbow***
Mr M G Dixon
Dr F A Dvorak
Dr G A Gelade
Mr H Gray
Dr M J Green
Mr R J Hine
Professor R Jackman*
Dr D C Lancashire
Mr R R Loe*
Professor D E Luscombe**
Mr A D McLaren
Dr C J Myerscough
Mr N R Seymour-Dale
Rt Hon Dr Gavin Strang
Mr C J Village
Mr J Waters**

1966
Participation rate: 12.8%
Professor R C Backhouse
Dr R C Barklie*
Mr J J Barrett
Mr A P Docherty**
Mr A R Eastwood
Mr P L Flake*
Sir Peter Gershon
Mr A E Gladwin
Dr D R Grey***
Mr D H Gye
Mr J Hazelden*
Mr M J Horne
Mr T C W Ingrain**
Professor B Jarrott
1967
Participation rate: 13%
Mr A P Begg
Mr J E Berriman*
Mr L E Bigler**
Mr I Carnaby**
Dr A J Cole*
Dr I J Colquhoun
Mr R H Douglas
Colonel T C L Drake
Mr R T Eddleston
Dr L M Fuzesy
Mr G R A Gomberg* 
Mr M E Harper**
Dr P Hilton*
Dr M A Keavey*
Mr R G Larkin*
Mr D E Mason
Ms C H Northeast
Professor R Old
Dr B R O’Neill
Mr M M Otway**
Dr E W Powell
Mr A V Ramsay*
Mr M R Slack
Mr M A Smyth
Mr W L Stow
Dr D A Taylor
Dr A G Tristram

1968
Participation rate: 12.6%
Dr G S Booth***
Mr M J Bowden
Mr W J Calvert

1969
Participation rate: 9%
Dr C G Chatfield
Mr F J P Doherty
Mr M R Frith**
Dr P G Henry
Dr D M Jones
Mr M Kirby-Sykes
Mr J C Leech
Mr C G Lipson
Professor D C A Mant*
Mr J M McGee**
Professor D T Meldrum
Mr P Merson**
Mr D N Mills
Mr J M Pocock**
Mr D A Robinson
Mr R F Squibbs*
Mr P L Stanton
Professor M Tyree
Mr J P Williams

1970
Participation rate: 14.1%
Mr J D Banks
Mr P G Bossom*
Mr N J P Cooper
Mr M Cowan
Mr MV Crabtree
Mr T J L Cribb*
Mr J A Cumberland
Mr M R Currie
Mr P R A Fulton**
Mr N A W M Garthwaite**
Dr R J Grant
Mr W M Kinsey*
Professor A V P Mackay**
Professor B R Martin
Dr M J O’Connor
Mr C S Pocock*
Mr J Podolak
Mr D Potts*
Mr G R A Sellers**
Dr C J Slinn
Mr C Stephens
Mr R W Upton
Mr P C Wakeling
Dr B R Walters
Mr N D Ward
Mr I S Wilson**

1971
Participation rate: 11.2%
Dr D Armstrong*
Dr R H Atkinson
Dr R D Bremner
Mr T A Cave
Mr F G Cooke
Professor A Gillespie
Mr P M W Gover
Mr R J Hall
Dr P E Highfield
Mr A Kramvis
Dr G J Le Poidevin*
Dr M A Ledwich
Dr P J Mole**
Mr L M Peden
Professor J R Rice
Dr I R Scott**
Mr J A Shields
Mr W G Taylor*
Dr R M Tong
Mr N M Trier
Mr G P F Vincent
Dr J M Wenn

Mrs K V D Dresdner (Broemer)
Dr A R Feltbower
Dr A N Hobden
Mr J Ingle**
Dr M A Johnson**
Mr J M W Jones
Mr T H Jones
Mr T R Joyce
Professor J Kelly
Professor J T Kent
Mrs S A Kramvis (Newcombe)
Dr W E Munsil
Dr J R Nicholas
Dr T L L Orr
Mrs G M Potts (Black)*
Mr J D M Tickell
Mrs S M Walton (Mackinney)
Mr R C Wenzel
Mr R M Witcomb
Mr A R Woodland***
Mrs I M Woodland (Waghorne)**

1972
Participation rate: 10.1%
Mr H W Brockbank
Mr H A J Davies*

Mrs K V D Dresdner (Broemer)
Dr A R Feltbower
Dr A N Hobden
Mr J Ingle**
Dr M A Johnson**
Mr J M W Jones
Mr T H Jones
Mr T R Joyce
Professor J Kelly
Professor J T Kent
Mrs S A Kramvis (Newcombe)
Dr W E Munsil
Dr J R Nicholas
Dr T L L Orr
Mrs G M Potts (Black)*
Mr J D M Tickell
Mrs S M Walton (Mackinney)
Mr R C Wenzel
Mr R M Witcomb
Mr A R Woodland***
Mrs I M Woodland (Waghorne)**

1973
Participation rate: 11.3%
Mr J G Bennett
Ms T M Brown
Dr R P Cleaver*
Ms M S Dixon
Dr C A Elliott (Mills)*
Professor J Elliott*
Dr R J Fields
Dr F G Furniss*
Mr P M Goodland*
Dr J Grzeskowiak (Ellison)**
Dr N E Grzeskowiak**
Professor Sir John Gurdon*
Mrs A Hargreave (Pittam)
Mr I G Hatfield
Ms R Johnston*
Ms V C Jolliffe**
Dr D R Kendall
Professor A Light
Ms T F Mainstone
Mr G R Newman
Professor D B Rutledge
Professor M J R Stark**
Mr G A Thomson
Dr S E Whitcomb
1974
Participation rate: 7.7%
Dr L P Aronson (Barfield)
Dr MD Aronson
Ms C E Blackmun**
Mr P R Clarke*
Ms D J Elton
Mrs C R Froomberg (Varley)
Mrs J E Goodland (Terry)*
Dr J P Hale
Dr R W Holti***
Professor J H Marsh***
Mr P D Needleman
Dr S Oldfield*
Mr M A W Prior
Mr A P Reed
Mr M K Rees***
Mr A Riley
Mrs S Pearce (Bailey)**
Mrs L S Robinson (Jacobs)
Mr S M Robinson
Mrs J E Salmon (Mathie)*
Mr A Sternberg
Professor U Tuzun
Professor D Williams

1975
Participation rate: 6.7%
Mr D Armstrong
Mr P W Bennett
Mrs A A Canning (Jarrett)**
Professor C Claoué de Gohr
Mr D F Coates
Mr A Culler**
Mr D P D’Cruz
Professor D M Gale
Mr N J Hazell*
Mr A R John**
The Reverend Dr P G McPartlan
Dr D E Reynolds
Dr R A Reynolds (Dixon)
Dr G S Tyndall

1976
Participation rate: 9%
Mrs J Armstrong (Hickman)
Dr I L Bratchie*
Dr C & Dr C Fraser**
Mrs A M Gill (Bradshaw)
Mr S L Gill
Mr P D Goldsbridge
Dr D H Jaffer***
Mr D H Jones
Professor P A Kalra*
Professor L Krause
Dr F Lamb

1977
Participation rate: 14.4%
Mrs V F Bronk (Howat)
Dr P J Carlson
Mrs C Cleaver (Martin)*
Professor P A David
Mr M J Forshaw
Professor M R J Gibbs
Dr K S Gilroy
Dr C Goulimis**
Professor A F Heavens*
Mr P Hughes
Professor S C Inglis
Dr S Jaffe
Dr S G Martin**
Professor D Leech-Wilkinson
Professor M Malkan
Mr R J McDaid
Mr T R Oakley**
Ms M C Ockenden
Ms S L Poland
Ms S M Press
Dr S A Rawstron
Dr E J Rennie
Dr G J Smith
Professor M C Smith
Dr R D Smith
Mr J K Stanton
Mrs L F Stead (Bibby)
Dr D P Stern
Mrs P J Stern (Knight)
Mr D J Storkey
Mrs I A Thompson (O’Hara)**
Mr R C Weeks

1978
Participation rate: 12.8%
Dr R D Blank
Professor E L Boulpaep
Dr D W Butcher
Professor M D Checkel
Ms S N Coppersmith
Mr J Crackett
Dr R M Dixon**
Dr R M Fisher
Ms W Franks
Mrs E D French (Medd)**
Mr P C French**
Mr E C Garner-Richardson
Mr K A Herrmann***
Mrs I Hull (Clark)*
Dr C N Jones***
Dr R I Jones*
Mr C M Lawrence
The Hon. Mr Justice Lewis*
Dr H F Luckhurst
Professor V Luis-Fuentes
Dr S J Martin
Mr A T Richardson
Dr I T Rowley
Mr D S N Saul
Mr A G Shinder
Mrs A C Smith (Slater)
Professor M D Thouless
Dr D Waterson
Dr D B White
Mr M W Rudin
Mr C E Sweeney**
Mr A W Witts

1980
Participation rate: 11.1%
Mr K A Beaven
Mr B L Collings**
Mrs S E de Candole (Thorp)
Mr H de Lusignan
Dr A T Farmer
Mr J R Farrell**
Mr B A Harris**
Mrs R Jenkinson (Priestman)
Dr J W Marshall
Mr L A Z Mirza
Mr S Parker*
Dr J Potter
The Right Hon. Lord Sales***
Miss L M Saul
Mr M H Schwarz**
Mr B B Simpson
Mr P R J Smith*
Mr J C Wainwright
Dr A S Wierzbicki***

1979
Participation rate: 11.7%
Mr S J Aspden
Dr N E Baker
Mr K A Bradbury
Dr J H Bryce
Mrs H C Crackett (Luckhurst)
Mrs L A Doble (Kendall)*
Mr A P Duff**
The Reverend J M Dyer (Lloyd)***
Mr A Farrow
Mr A J Foster
Mr P B Frean
Professor M A Goldie**
Dr D J Graziano
Mr S P Henry
Dr P D Hodson**
Professor T J Jenkinson
Dr W Lewis-Bevan
Dr A N Mather
Ms E C Newbery
Mrs C I Pilgram (Robbins)
Dr W J M Rothwell

1981
Participation rate: 11.8%
Mr K Bhargava**
Dr A Blackwell (Jenkins)*
Professor A Braginsky
Mr M J Cannon
Mr M W Cattermole
Ms S Clements (Burton)**
Professor D A Day
Mr A C Dickens
Dr E J Ditzel
Mr K R Doble*
Mr M L Ellis
Dr C A Harper*
Dr J A Horrell
Mr I Jones*
Mr P A Manley
Dr C A McGill**
Dr T H Ngair
Mr M J Percy
Dr C G Potts
Dr A Purnama
Professor T Remenikova-Braginsky
Mr A S Thomson
Dr W Y Tsang**
Ms H A Vyse*
Mrs K A Woodward (Samy)

1982

Participation rate: 7.9%
Mr T Armitage**
Mr M K Asardag
Dr C J Aucken
Mr T J Bond
Dr N S Brabbs
Ms A Calvert
Dr A Cooper
Mr M W Ellis
Mr W J Farrant
Mrs T A Hall (Prosser)**
Dr M D Jacobson
Professor J A Lake
Mr S D Rothman**
Mr M T Rutter**
Dr N J Skelton
Mr M Y Watterson*

1983

Participation rate: 5.5%
Ms L Ambrose (Ambrose)
Ms J L Bryant
Mr R I Coull***
Dr D W Goodman
Dr C M Hughes
Dr A M Lewis**
Mr R J Miller**
Mrs S Neal (Degg)
Professor T D Pollard
Dr C D Scrase**
Dr R G Shenoy
Dr J T Sumida

1984

Participation rate: 7.6%
His Excellency Dr Hadeef B J Al-Dhaeri
Ms T Buckpitt
Dr D A Chaplin**
Mrs G M Dambaza (Bruce)
Dr R T Elias*
Mrs S A Havers (Hooker)
Mr S W Havers
Professor M Jaspars
Dr S J Kukula**
Mr M D Parnell
Mr R L Patterson**
Mr J J H Reilly***
Dr D S Roddom
Mr J A Stark*
Mr E M J Steedman***
Mrs M Thimbleby (Butler)
Mr G R Tillman**
Dr S F Williams

1985

Participation rate: 6.9%
Mr A I Blyth
Dr S P Churchhouse**
Mr M A Craven**
Mr A C Dean*
Mr R H T Dixon**
Mrs D Hines
Mr S Jennaway
Mr A W S Jones**
Mrs S H Knighton (Spear)
Mr A J Lake**
The Reverend Dr P G Miller**
Mr K D Morris**
Mr D P O’Brien
Dr C K L Phoon
Mrs L K Rothwell (Pollock)

1986

Participation rate: 4.5%
Mr A M F Bailey**
Dr D C Dankworth
Dr M W Johnston**
Mr C C J Ling
Mr R J Thomas*
Mr J M Walker
Dr C J Walter
Mr A C Worrall**

1987

Participation rate: 11.4%
Dr R J Black**
Professor D C Brodbelt
Ms V S Connolly*
Dr J N Glickman
Dr S P Harden*
Dr J R Hobdell*
Mr A C Innes**
Mr A S Irwin
Mr R H Khatib
Professor K Lam
Mr I M Lawrie
Dr C E Lee-Elliott**
Mrs C H Narracott (Crocker)**
Ms G Nurse
Dr K M Pang
Dr J D Parker
Mr B J Patel**
Dr V J Pinfield (Rothwell)
Mrs I J Tooley (Bush)
Mr S M Tooley
Ms J Turkington**
Professor O van Nijf
Mr J Wadsworth***
Mrs S B Wadsworth (Large)

1988
Participation rate: 6.2%
Dr A J Brown**
Dr W G Burgess**
Dr P A Catarino**
Professor J R D Coffey**
Mr P A Czekalowski
Mr N M Durant
Professor A Jenkins
Mr G C Lambrou
Mr B Mulvihill
Mr S G Narracott**
Mr A J Tylee
Mr J M Williams

1989
Participation rate: 5.9%
Mrs H C Arrowsmith (Oxtoby)
Dr H Ashraf*
Ms J L Bent
Mr G W Denkinson
Mrs S C Galloway*
Dr C M Hicks**
Mr J P Lucas**
Dr O D Lyne*
Mr L C Martin
Mrs N Martin (Young)
Mr S D Morrish*
Dr H S Obhi
Dr P J Parsons*
Dr A W Stephenson*

1990
Participation rate: 8.2%
Ms M Q Baldonado (Wang)
Dr A J Ball**
Dr T A Bicanic*
Mr J J Bisseker
Rt. Hon The Lord Broers
Lady Broers
Dr V A Carreño
Mr P Chown
Dr J Kanagalingam
Ms M C Lambrou
Dr J F Myles
Mr J R Peters**
Mr A D Ponting**
Mr I K Richards
Ms H Richards-Jones
Dr J S Watters (Marinescu)
Professor A J Webber
Dr P J Wilson*

1991
Participation rate: 7.6%
Ms N Akharware
Dr R Beroukhim*
Mr D S Boyle
Ms C R Brett
Mr P R A Fidler
Mr D M Fineman*
Mr K N Forster
Mr P T W Harrington**
Dr J W D Hobro**
Mr J R Lenane
Mr J A Lowe
Professor E B Perrin
Dr K Pichler
Mr D P Raftis
Mr B H A Robinson**
Ms G Taylor
Mr K Yogasundaram

1992
Participation rate: 6.1%
Mr S J Aitken
Dr D J Bernasconi***
Mr L R Brown
Mrs C A Folley
Dr S J Ford (Masters)
Mr F W Heine
Mr M P Honey**
Dr Y Kohayakawa
Ms E Lopez-Gunn
Mr C E Martin
Mr D Roberts***
Mrs L Rodgers (Yates)
Mr R P Smith**
Mr I Temperton**
Dr S E Wunsch

1993
Participation rate: 9.6%
Mr A M Aicken
Mr A J Barefoot
Mr J R Gale
Mr J M Gibbs**
Mrs J Gwilt (Smyth)*
Mr A P Hall*
Mr A J Lambert*
Mr R M Little*
Dr A J Pauza***
Mr A Pepperell
Mr A G Platt
Miss A C M Scott-Bayfield**
Dr T A Sevitt
Mr T J Shipman
Mr C W Smick
Mr S P Smith
Mrs L Smith
Dr D R Tray**
Mr A D Twiss
Ms V Vukmanovic (Roberts)
Mr M J Wakeford
Dr C J Walker
Mr M H Wallis
Dr W Wheatley (Cooper)

1994
Participation rate: 9.2%
Mr L Ashton**
Mr B O Brierton**
Dr K H Brierton (Pratt)**
Dr M A Demian
Mrs C Dixon (Strutt)*
Ms M F Fahey
Dr T L Harris**
Mr M S Hoather**
Mr M J Hubbard
Dr M Kim

Dr H J Knowles
Professor M H Kramer
Mr A C Matthews
Mr C H Palmer
Professor J R Powell
Dr A K A Pryde
Mrs J Sandercock (Newman)
Professor S D Silver**
Mr J Singh
Mr R G Stamp**
Professor D L Stern**
Mrs S F Tickle (Hanley)***
Professor D J White

1995
Participation rate: 3.9%
Mrs K Anastasi (Prodromou)
Professor A J Barr
Ms L C Berzins
Mr M R Brazier**
Mr S P Bridge
Dr D Joinson*
Mr P McCarthy**
Mr H Vukmanovic

1996
Participation rate: 7.2%
Professor A Boksenberg
Mr R Carreno
Mr D B Christie
Mrs S J J Christie (Chou)
Dr R I Hammond
Dr D J Goodings
Mr S J Harris
Dr Z Hollowood (Jones)
Mr A P C Jones
Mr O Kennington
Mr L Kinross-Skeels
Dr H T Lim
Dr E Merson
Mrs E Norton (Lilley)
Dr C O’Kane**
Mrs K E Sydow
Miss M M E Thompson

1997
Participation rate: 4.8%
Dr J W J Akroyd
Dr B L Bircumshaw
Dr A G Buckley
Dr P Cowans
Mr M A Hobbs
Mrs N Hobbs (Maddams)
Mr C Howell*
Dr A Madhok
Mrs A Martin (Colabella)
Dr O J D Martin
Mr I R Thomas

1998
Participation rate: 3.8%
Mr D Alafouzos
Mr W J A Courtenay
Dr C E Finlayson
Mr J Justus
Mr N I Khawaja
Mrs D Resch (Christian)*
Mrs R L Rodgers (Lucas)
Dr C Yeung**

1999
Participation rate: 6.4%
Dr V S Abhayawardhana
Dr D Ballantyne
Dr E K Bartsch
Mr D R Deboys*
Dr C Helliwell (Powell)
Mrs C Lemen (Simons)
Dr B S R Lishman
Mr D A Mackenzie***
Professor M J Schuldiner
Mr M A Scott
Buchanan & Daniel Shane
Dr A Stewart-Wallace
Dr P Szatmary
Dr C Tubb**
Mr P F Ward**

2000
Participation rate: 6.9%
Dr E A Addiego-Guevara
Dr P A Booth*
Mr R Botero*
Dr F Brossard
Dr K C C Cheung
Mr N Crews**
Dr E DeMarrais
Mr G F Hart

Mr M A Khan
Miss S A Khan
Dr L Lake
Mr C D Leow
Mr J N Maogoto
Dr M Miller
Mr A J Milne*
Dr D Osborne
Dr J Parisi
Mrs R Pellet (Orr)
Dr N Taylor
Dr D C Thompson
Dr J Thompson (Su)
Professor C Tout
Mr A A Weiss
Mr T P Whipple**
Dr C S Witham
Professor A Yasukouchi

2001
Participation rate: 5%
Mr A Bannard-Smith*
Mrs E Booth (Lambert)*
Mr L S Goddard
Dr S R Griffiths
Mr M R G Mkushi
Dr E J Rees*
Professor L Riddiford
Professor J Truman
Dr A F K Pater
Dr D R Williams

2002
Participation rate: 5.3%
Dr U Akuwudike*
Mr H Almusaad
Mr A J Chappelow
Mr A H L F Collins
Dr S Gooneratne
Mr C E Hack
Dr E Krylova
Mr T J Mamtora
Mr M H Milhan
Mrs H O Mkushi (Balogun)
Mr P D Nery
Dr S E Rose
Dr W Tensel
2003
Participation rate: 4.7%
Ms H Bailey
Mr M Clay
Mr G Constantinides
Mr C D Glover
Mr B Greenhalgh
Professor J Lewandowski
Mr A Pointon
Mrs M Taylor (Hart)
Dr F Thibault-Starzyk
Miss P L Welsh
Ms B Zygarlowska (Wroblewska)*

2004
Participation rate: 1.2%
Mr B E G Bezine
Dr A L Goater
Mr T P F Robson

2005
Participation rate: 5.5%
Dr A Adeyemi
Ms D Chen
Miss G L Dixon
Ms E Gray
Mr H Y K Low
Mr P Mak
Mr S Ortega
Mr M Raskie
Mr T E B Rose*
Mr B K Y Shin
Dr J S Silvia
Mr A J Woodland

2006
Participation rate: 4.7%
Dr S Boss**
Ms X T Fu
Mr C Macgregor
Miss R McKinnon
Dr H Mori
Dr B Ochoa Montaño
Dr C Shier (Dias)
Dr A Taylor*
Ms H Wang
Dr I Wassell**
Mr S Williams
Mr Z Zhang

2007
Participation rate: 6.8%
Miss E Coe
Dr A Collins
Mr E Croft
Mr D Gavshon Brady
Professor J Hart
Dr S Jones
Mr R Kudubayev
Dr T Li
Mr R Partington**
Professor W R Pearson
Mr S Richards*
Dr E Russell
Dr M Sander
Mr M Williams
Mrs S Williams (Jackson)

2008
Participation rate: 6%
Mr C Campbell
Professor Dr P Caron
Mr R Chanin-Morris
Mr A Cruickshank
Miss J Dunne
Mr J Dyer
Mrs A Evans (McGlinchey)
Mr A Georgiou
Mr N Jackson
Dr C Lam
Dr B Roullier
Mrs B Roullier (Corns)
Mr P Tinton
Mr P Whiteley
Mr M Yates

2009
Participation rate: 6.9%
Dr K Bandara
Ms F Beresford
Dr G Cantelli
Miss A Edge
Dr G Hahn
Dr T Heycock
Dr S Hill
Professor K Janoyan
Miss F Ng
Dr S Scellato
Mr H Tang
Ms J Trainor
Mr A White
Mr D Wong
Dr T Y Wong

2010
Participation rate: 3.4%
Dr S Bittleston
Mr J Corry
Dr M Deimund
Dr A Elmezeini
Mrs A Glover (Mirza)
Miss E Lau
Mr T Milburn
Mr D Pennefather

2011
Participation rate: 5.7%
Dr X Bian
Mrs A Cabico
Dr N Cutler
Dr M E Eriksson
Dr Y Flory
Miss W X Heng
Mr D X Hu
Miss X Hu
Dr S Isaac
Mr Z Lin
Dr K Misiunas
Dr R Monson
Miss E Sweet
Mrs Wightman
Dr R Wightman
Dr H Yang

2012
Participation rate: 3.3%
Mr A Beaumont
Mr J Goodman
Miss A Hamilton
Dr M Horvat
Dr L Jardine-Wright*
Dr W Meng
Mr V Vasudeva
Miss Y Yan

2013
Participation rate: 2.5%
Professor D Arnold

Mr C Chang
Professor J C Evans
Mr G Funk
Dr R Hendy
Mr R Shah
Dr J Toner

2014
Participation rate: 1.7%
Professor R Anderson
Professor Dame Athene Donald*
Dr M Lu
Dr M Veit

2015
Participation rate: 1.9%
Dr R Daly
Dr M Donald*
Miss D Karunaratna
Mr R A Quezada Gaete
Dr A Young

2016
Participation rate: 0.8%
Mr S Magaziner
Ms A Case & Mr K Schwonik

2017
Participation rate: 1.1%
Mr M Derenthal
Ms F Malaree
Mr G Morgan

Friends of the College
Mr C Ablard
Mr S Baynes
Lord Biffen of Tanat
Lady Biffen
Lady Broers
Dr D Butterfield
Mrs K Cacciatore
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Ms J Churchill
Miss J D Cockcroft**
Mrs K Czekalowski
Mr D N Daft**
Mrs D H Daft**
Mr R Davis
Mr F J Deegan**
Mrs V Dixon  
Mr T Fuzesy  
Mr L S Geller  
Mrs M Gilbert (Libbey)  
Mr & Mrs D Grace  
Mrs D Hahn  
Mr P Helliwell  
Mr R Hopkin  
Mr J Hopkins  
Dr A Jarrott  
Dr E Karni  
Mrs S Lee  
Mrs L Luckevich  
Mr M McCarthy  
Mrs M McCarthy  
Mr R McElvenny  
Mr H Nakamura  
Mr L Pollock  
Mrs R Powell  
Dr J Principato  
Mrs A Pyke  
Mr J P Knight  
Mrs B Richardson  
Mr N Roskill  
Mr T Roskill**  
Professor M Shull  
Mr S Specter  
Mrs J L Sworn  
Mrs D Thorland  
Mrs M Tong  
Dr M E Trout  
Mrs M E Trout  
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+ 57 anonymous donations  

* Donors who have been giving for 5 or more consecutive years  
** Donors who have been giving for 10 or more consecutive years  
*** Donors who have been giving for 15 or more consecutive years  

Legacies have also been received by the College from the following Estates:  
The estate of Mr T P F Drake  
The estate of Ms B M Jennison  
The estate of Mrs F Smith  
The estate of Mrs R Stokes  

All care has been taken to ensure the accuracy of this list. However, if there are any errors, please accept our apologies and inform the Development Office if your gift has not been recognised. We will ensure your name appears in the next issue of the Review.
Donations to the Winston Churchill Foundation of the United States 2018–19

We are very grateful to all the following who have chosen to support Winston Churchill Foundation of the United States. All those listed below have made a gift during the period 1 July 2018 to 30 June 2019. (N.B. Gifts made after this date will be acknowledged in next year’s Review.)

Dr K Abkemeier 1990  
Mr V S Abrash 1986  
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Mr R J Adrian 1969  
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Dr J A Ankrum 2007  
Dr J A Bagger 1977  
Dr C F Batten 1999  
Dr M Baldonado  
(Wang) 1990  
Dr V L Beattie 1988  
Dr C E Beasley 1999  
Dr K M Beck 2009  
Dr A E Bennett 2004  
Dr L K Benninger 1969  
Dr C R Berming 1998  
Mr W L Bernhard  
Dr R Beroukhim 1991  
Mr L E Bigler, Jr. 1967  
Dr L Bloom 1985  
Dr P N Blossey 1992  
Dr A Bluer (Wilson) 1983  
Dr G S Boebinger 1981  
Dr J M Bosser 1996  
Dr M Brenner 1965  
Mrs D L Brice  
Mr D D Burrows  
Mrs N Burrows  
Dr T J Callahan 1990  
Dr V Callier 2006  
Mr R S Chivukula  
Dr A M Cody 2003  
Dr P A Cole 1984  
Dr S N Coppersmith 1978  
Dr D C Dankworth 1986  
Dr N W Dean 1965  
Dolby Matching Gifts  
Dr J W Downie 1983  
Dr R O Dror 1997  
Dr A C Durst 1996  
Professor R Dutch  
(Ellis) 1986  
Mr B Dyer III  
Dr G Ellison 1987  
Dr S Ellison (Fischer) 1987  
Mrs D L Fields III  
Dr J N Fields III 1971  
Dr D A Fike 2001  
Mr C Finch 2014  
Ms D Foster  
Mr D I Foy 1969  
Mr D Fried 2014  
Dr S Friedman 1990  
Dr C D Frost 1979  
Mr M J Gabelli  
Dr T A Gay 1973  
Mr P A Gerschel  
Dr J N Glickman 1987  
Dr L M Gloss-  
Lessmann 1988  
Google Matching Gifts  
Dr N W Gouwens 2003  
Dr Y H Grad 1996  
Dr I N Gray 2004  
Dr K E Gray 1965  
Dr D J Graziano 1979  
Dr D Green 1994  
Ms D L Grubbe 1977  
Dr D A Guaspari 1969  
Dr N R Gudosh 2001  
Mr R J Hall 1971  
Dr J R Hampton 1995  
Dr D A Hinds 1998  
Dr S P Hmuel 1980  
Mr R A Hutchinson 1981  
Ms C Hwang  
Dr J M Johnson 1993  
Ms S R Jones 2008  
Mr T H Jones 1972  
Dr Y Kahn 2009  
Dr E W Kaiser 1964  
Dr R R Kalra 2005  
Dr K M Kalumuck 1974  
Mr W B Kanders  
Mrs A Katz  
Dr E R Katz 1966  
Dr J R Kennedy, Jr. 1987  
Dr J T Kent 1972  
Dr D B Kittelson 1966  
Dr E R Kolassa 1985  
Dr D K Krug 1999  
Dr J D Kulman 1992  
Dr M Y Lanzerott 1989  
Mrs S Leaf-Herman  
Dr W A Leaf-Herman 1984  
Dr S A Leblanc 2003  
Dr D LeCoanet 2010  
Dr A D Levine 2000  
Dr S R Levinson 1970  
Mr D A Lind 1968  
Dr D Liben-Nowell 1999  
Mr J L Loeb, Jr  
Mr N R Love 2005  
Hogan Lovells US LLP  
Dr N M Loening 1997  
Ms M McPherson 2014  
Medtronic  
Dr J E Mehren 1997  
Dr J C Miller 2000  
Ms S E Miller 2015  
Professor D A Mix  
Barrington 1981  
Dr P C Monaco 1989  
Mrs P Monaco
Dr E Q Mooring 2013
Dr W E Munsil 1972
Dr T K Murphy 1978
Mr N Naclerio 1983
Dr G R Newman 1973
Dr K K Niyogi 1986
Marcia and Jared Nodelman
Marcia and Jared Nodelman Charitable Trust
Dr A B Nobel 1985
Dr M Okumura 1979
Dr J C Olson 1986
Dr P Patrikis
Mr A Pekker 2001
Pfizer Foundation
Dr L M Phinney 1990
Dr C K L Phoon 1985
Dr W W Phoon
Dr A J Pollard 1977
Dr E Rains 1991
Dr E E Riehl 2006
Dr D P Riordan 2002
Dr M O Robbins 1977
Dr B Rogers 2003
Dr M K Rosen 1987
Mr A H Rosenberg 1968
Dr B M Rubenstein 2007
Dr E R Russell 2007
Dr F D Russo 1986
Mrs G Russo
Mr T A Russo
Dr V G Sankaran 2002
Dr S J Scherr 1980
Dr H O Scott 1975
Dr J Seeliger
(Chuang) 2000
Dr S J Shefelbine 1997
Dr M Shulman 2002
Dr J S Silvia 2005
Dr E H Simmons 1985
Dr S J Smullin 1998
Dr F J Sottile 1985
Dr D R Speth 1972
Dr D B Stern 1981
Mrs K Stern
Dr D J Strouse 2011
Dr D M Thomson 1994
Dr P M Todd 1985
Dr D F Torchiana 1976
Dr Y Tseung 2003
Dr R R Tupelo-Schneck 1997
Dr S Vadhan 1995
Mr A Vavasis
Mrs T Vavasis
Ms S R Varshney 2010
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SPOTLIGHT ON...
‘No country can ever truly flourish if it stifles the potential of its women and deprives itself of the contributions of half its citizens.’

Michelle Obama
On 8 March 2019 the College celebrated the fiftieth anniversary of its historic decision to admit women, the first men’s College in either Cambridge or Oxford to do so. By a happy coincidence, it was International Women’s Day. To mark the occasion the Master held a public conversation with Professor Alison Finch, the second woman to be elected to a Fellowship, the first female Vice-Master, and the first Fellow to give birth. There was a large turnout of alumnae and alumni. Four men who had attended that historic Governing Body meeting were present: Archie Howie, John Killen, David Luscombe, and Colin Myerscough. Here Professor Mark Goldie, a Historian and a Churchill Fellow, presents brief thoughts contributed by several who were Fellows at that time.

**Partha Mitter** (Fellow 1968–70)

The decision of the Governing Body to admit women to the College was an historic moment. I have always felt proud that I was among the first to be personally involved in helping change an oppressive, age-old tradition. Although I was part of the Governing Body, I was new and inexperienced and did not take part in prior discussions. Therefore, I do not have any insights into the process. But I do remember the memorable occasion because **I was deeply committed to women’s rights.** I vividly recall an extraordinary question asked by a senior Fellow. He asked, would we not need to have special plumbing facilities and incinerators?
Anthony Heath (Fellow 1967–70)

My (fallible) memory suggests that I spoke at the meeting, perhaps I even moved the motion to admit women. [He was one of the co-seconders of the motion.] I deliberately chose to emphasise instrumental rather than social justice arguments as I thought they would have more weight with sceptics like the Master, Sir William Hawthorne. My impression was that Hawthorne needed convincing rather than being implacably opposed. Personally, I gave much more weight myself to the social justice arguments, but I saw no point in articulating arguments which might put people off. (I still do exactly the same thing when I try to persuade government to do more to tackle discrimination against ethnic minorities in the labour market – emphasising the business case.) (Anthony was responding to a suggestion that utilitarian arguments, about ‘untapped brainpower’ and ‘beating other Colleges to it’, had been dominant.)

Anonymous

Based on an interview in 2017 with a Fellow who left in the 1970s for a chair elsewhere.

The Master, Sir William Hawthorne, asked all Fellows to write to him with their views; this was resented. I confess I felt cautious about admitting women, though, when it came to it, I voted in favour. I should have said that I felt enthusiastic; I didn’t give as much support as I would now and as I should have, and regret the letter I wrote. I was of the generation that knew a world of separate men’s and women’s Colleges – a point of view now completely superseded. We felt that male collegiality had its own strengths, the clubability of men being together; and there was a sense of the nervousness of men about handling women. But I voted in favour because I sensed that times were changing, and that women were given a rotten deal by Cambridge: their numbers were unjustifiably small. I had taught many women from the three women’s Colleges, and I knew their high scholarly qualities. The quality of women students was especially brought home to him when we began to interview women candidates for Churchill. By golly they were brilliant.
David Newbery (Fellow 1966–)

I arrived at Churchill as a young resident bachelor Fellow in 1966 after being an undergraduate at Trinity where, as in all other Colleges, the exclusion of women was accepted as normal. Churchill was determined, as a modern College, to question tradition and to broaden access. Dick Tizard, the Senior Tutor, sharply improved standards by seeking out non-traditional schools. Dick knew that women were every bit as talented, intelligent, courageous, strong, and interesting as the men we admitted – for every place for women at Cambridge, there were ten for men. It is puzzling to look back at a change that has been so beneficial but was seen by most Colleges as inconceivable. Not, however, Churchill, whose fellowship either converted, or were already on side, as soon as the proposal was made. My task was to meet Rosemary Murray, President of New Hall. Even though she knew that some excellent women would prefer to go to mixed Colleges, she was so committed to improving access that she strongly supported Churchill admitting women.

Ken Livesley (Fellow 1960–)

When I came back to the Engineering Department in 1955 the role of women in the University was clearly defined. Most academics, overwhelmingly male, wrote letters, research papers, exam papers, and student handouts, with pen and ink, and females typed them. Heads of Departments had secretaries – the rest of us had to make do with a room full of young ladies with typewriters, referred to as ‘the typing pool’. As an undergraduate at St John’s in the 1940s I had never met a Fellow’s wife. I was not aware that any existed. Churchill was different. John and Elizabeth Cockcroft saw the entertaining of undergraduates as an important part of College life and expected Fellows’ wives to play an active role in this. It was a step forward. Two of the early Fellows, Martin Wells and George Steiner, had academic wives, who later became Fellows of Newnham. Early in the College’s history
the decision was made to allow female guests at high table. But the resolution was so restrictive in its definition of a ‘suitable’ female guest that in the months that followed few appeared other than the Mistress of Girton and Principal of Newnham. Fast forward to the decision to admit women students. My memory is that there was a broad consensus that ‘the time was ripe’. Dick Tizard, the Senior Tutor, was a leading advocate and it was largely his forceful personality which pushed the project. I got the impression that the Master was bewildered by the whole business, but there was no organised opposition. I remember a Council meeting where a long discussion centred on baths and long mirrors, but I have no memory of the Governing Body at all – it must have been very peaceful!

Archie Howie (Fellow 1960–)

At Edinburgh when I graduated, three of the ten students in the final year in Physics were women. Halls of residence were segregated but next door to one another. I was in favour of having more women students in Cambridge but perhaps not initially sufficiently convinced (at least to be a crusader) that Churchill needed to go mixed to achieve this. Partly through colleagues who felt it would improve the entry quality in arts subjects and partly through the ridiculous arguments advanced against the change, I became more enthusiastic! I vividly recall the response we got from a mixed hall of residence in Aberdeen. Of course, with hindsight the entrance quality of our students went up across the board and initially even faster in science than in arts. Of the Governing Body meeting that made the decision I can remember nothing – presumably because by then it was a done deal. [The professor from Aberdeen, lamenting some of the consequences of mixed halls of residence, wrote: ‘undergraduate demands for freedom, by which I understand them to mean increased facilities for the enslavement of the human appetites, has grown tremendously over the last few years.’]

Mark Goldie
COLLEGE EVENTS
'Reading furnishes the mind only with materials of knowledge; it is thinking that makes what we read ours.'

John Locke
Two Very Special People
Alec and Mary at 80

In October, 2018 College marked the 80th Birthdays of both Lord and Lady Broers with a dessert in the College dining hall. This was attended by Fellows and partners, many old friends and colleagues, and Alec and Mary’s sons Mark and Chris accompanied by their wives. The occasion was marked by tributes from colleagues both from within the College and the Engineering Department and also from other Cambridge luminaries. Here Professor Bill Milne, a Churchill Fellow, tells us about Alec’s achievements in the Engineering Department as Head, at Churchill College as Master and in the University as Vice-Chancellor. He also pointedly remarks that throughout this period ‘Alec could not have flourished without the support of Mary’. This is followed by a tribute to Mary from Paula Laycock, who served first as Master’s secretary and then Registrar in Churchill, and finally, Professor Gihan Amaratunga, a Churchill Fellow who has worked with Alec and recommended him (with Bill Milne) for the Mastership of Churchill College, gives us a vivid account of Alec’s life in Cambridge and his impact on the Engineering Department, College and the University. Professor Archie Howie completes the tributes to Alec and Mary with a humorous poem entitled ‘Masters Old and New’.

Alec first came up to Cambridge in 1961 as a PhD student supervised by Bill Nixon in the group led by Sir Charles Oatley. He received his PhD in 1965 for work on ‘Ion beam etching in the scanning electron microscope’. He then left for the USA where he enjoyed a most successful career as a research scientist with IBM, where he worked on e-beam lithography, the use of which has now been adopted by all major chip manufacturers worldwide.

A breath of fresh air

He returned to Cambridge in 1984 and his arrival in the Engineering Department was a ‘breath of fresh air’. Soon after his arrival he began to set up an electron microscope system and the first clean room facility in the Department. He had a laid-back style which was at odds with many in the Department but his ‘can do’ philosophy soon gained him many admirers,
both within the Electrical Division and the rest of the Engineering Department. He became Head of Department in 1992.

**Master at Churchill**

His easy manner and approachability also appealed to Churchill College Fellows, and Alec was persuaded to leave Trinity where he was a Fellow to join Churchill, as Master, in 1990 until 1996. He was the Master of Churchill College at the time of the founding and opening of the Møller Centre on 2nd October 1992. Alec as Master presided over the successful completion and opening of the Møller Centre.

Both Piers Brendon and Allen Packwood tell me that Alec played an absolutely **vital role in securing the future of the Archives Centre**. As Master he helped lead the complicated negotiations whereby Sir Winston’s pre-1945 papers were ultimately purchased for the nation with the help of a Lottery Grant, and a contribution to the deal in the shape of the post 1945 Churchill Papers (which the College had been given by Lady Spencer-Churchill), both sets of papers being vested in the Sir Winston Churchill Archive Trust and housed in the Archives Centre.
Alec & Mary

Alec and Mary also played a crucial role in acquiring the Thatcher Papers for the Churchill Archives Centre. This required skilled diplomacy from the time that he and Mary hosted first Denis and then Margaret on their visits to the College and involved not only the gift of the papers to the charitable trust which oversees their preservation in the Archives Centre, but to the extension of the Centre itself. Mrs Thatcher not only helped to raise the money for the new wing but she saw to the endowment of a Thatcher Archivist (now Andrew Riley).

Alec – with Mary’s help and support – was thus largely instrumental in expanding the Archives Centre and changing its scope and nature, thus putting it on the road to acquire further prime-ministerial collections and to flourish as it now does under the expert direction of Allen Packwood.

VC at Cambridge

Alec, throughout this period, maintained a close interest in the ongoing research in the Electrical Division. However, it was when he was elected to the position of Vice Chancellor in 1996 that he was able to make the most significant impact on the University and indeed on Cambridge as a whole. He was a most outward looking Vice-Chancellor who played a significant role in the University’s rise as a major economic force and centre of excellence for high technology. He initiated the drive to move the more technologically based laboratories out to West Cambridge and to expand the Addenbrookes site. The Cambridge-MIT Institute was also initiated under his tenure. Most of this work still continues today. In 1998 he founded the Cambridge Network with Hermann Hauser and David Clevely and to date approximately 90% of all technology driven companies in Cambridge are members. Additionally, as VC, Alec also championed non-technology efforts and was very supportive of the Arts and Humanities as exemplified by the launch of the Centre for Research in the Arts, Social Sciences and Humanities (CRASH) in 2001. He also supported the expansion of the University Library Facility.

The support of Mary

Of course, throughout this period Alec could not have flourished without the support of Mary – as well as being his ideal partner and first-class sailing companion. Mary who also has a can-do philosophy, dedicated much of her
time to helping the homeless, elderly and addicted through her directorships of many charities whilst in Churchill. By all accounts it would appear that Mary was an excellent cook and had also excellent taste in music – she spotted the Beatles’ talent even before they left on their ‘learning trip’ to Hamburg.

Bill Milne

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**A Real Generosity of Spirit**

**Mary at 80**

I had the pleasure of working for Alec from 1990 to 1991, when I transferred to the role of Registrar. As Master’s Secretary I was based in a small office in the Master’s Lodge so I got to know Mary quite well. I was very mindful of being in their private home, but they always made me feel welcome.

Alec and Mary were great fun to be with. Alec was relaxed, charming, and easy-going and **Mary was kindness itself**. When the logistics of after-school childcare overwhelmed me at one point, Mary volunteered to look after my seven-year-old son for an hour or so after school each day. This must have been an enormous imposition on her time and displayed a real generosity of spirit.

Like Alec, **Mary could put you at your ease very quickly**, whether chatting at staff garden parties on the Master’s lawn or at more formal events. She was very much liked by the College staff. She had a special rapport with Joseph Carberry, the Dining Hall Manager (1984–2007). Their shared Irish wit helped them through many College events.

**Mary was very active within the College**. A one-time chair of the Hanging Committee, she and Dick Tizard located and put on display the paintings that comprise the Maisonneuve Collection. She played an important role in the hosting of VIPs including Mary Soames, Margaret and Denis Thatcher, and Maersk Mc-Kinney Møller. She also set up a tradition of Thanksgiving Day lunches for the US scholars, and pioneered the use of the Master’s and Fellows’ Garden for charity events with a marquee on the Master’s lawn.
A lasting memory for me will be the sight of Mary walking their King Charles spaniel, Winnie, along the boundary of the College site, but never across the playing fields. In those days, dogs were not allowed in the grounds and it is a measure of Mary’s respectful acceptance that she never sought to overturn that tradition.

Paula Laycock

A Pioneering Engineer, a Leader and a Sailor
Alec at 80

Alec Broers came to Cambridge to pursue a second degree after completing one in physics at the University of Melbourne, a tradition which was common at the time for students from Commonwealth countries. Alec had many interests in addition to those in science and engineering, best exemplified by his election to a choral scholarship at Gonville and Caius. On completing his BA and seeking a research topic for his PhD he found himself directed to Charles Oatley (later Sir Charles Oatley) in the Engineering Department.

Oatley’s Work
At the time, in the early 1960s, Oatley and his group had proven and demonstrated that secondary electrons emitted from a surface as result of bombardment from a primary high energy electron beam could be used for imaging at the micro scale. Oatley did not stop at solving the research problems and demonstrating the scanning electron microscope SEM, he also actively pursued its commercial development. This resulted in the first commercial SEMs emanating from the technology developed in the Engineering Department to be marketed by a local company Cambridge Instruments.

Alec’s challenge
The problem posed by Oatley to Alec was the reverse operation of the SEM. That is to use it to write/etch any desired image/pattern on a surface at the microscale. Alec, together with his contemporary Fabian Pease, supervised by W C Nixon were the first to show that this could be achieved in the
period 1963–65 by patterning sub-micrometre metal lines via exposure of a photoresist through electron beams. This would go on to spawn the new field of electron beam lithography which would be an essential method for the nascent semiconductor integrated circuit industry in the 1960s. To this day the master masks used for the fabrication of integrated circuits having in excess of 2 billion transistors with minimum feature sizes approaching 10nm are produced using electron beam lithography, which it is no exaggeration to say was pioneered by Alec.

Alec at IBM
Many of the students from Oatley's group in the Engineering Department crossed the Atlantic to join the burgeoning advanced technology initiatives in the United States catalysed by the space programme. Fabian Pease joined Bell Laboratories and Alec IBM Research Labs to advance the use of electron beam lithography in integrated circuit manufacture. At IBM Alec made many seminal contributions to the advancement of electron beam lithography and perhaps even of more significance the rapid advance of integrated circuit manufacture in the 1970s and 80s. One of his predictions currently being tested at the limit is that electron beam lithography would not be successful in producing feature sizes below 10nm.

It was also a time when he pursued his passion for ocean sailing with Mary and his sons in their boat moored in Rhode Island.

Alec at the Engineering Department & Churchill
In 1984 Alec returned to Cambridge to take the Chair in Electrical Engineering and head the Electrical Engineering Division of the Engineering Department. He was elected a professorial Fellow at Trinity.

I first met Alec in 1986 when I came for an interview for a lectureship in Electrical Engineering in the Engineering Department. Alec’s arrival in the Engineering Department had brought a wind of change from North America which swept away a prevailing parochialism and established a new emphasis on meritocracy and internationalism. My move to Cambridge, from Southampton where I already had a lectureship following completion of my PhD in the Engineering Department, was in a large part influenced by this new dynamism which Alec had brought to Cambridge.
It was in many ways natural for Alec to go on to be the head of the Engineering Department. It was also very clear to Bill Milne and myself that Alec would be an ideal Master for Churchill as he was an embodiment of its core mission and values. That we persuaded him to be considered and that the Fellows agreed with our assessment and elected him Master is very satisfying. From Master at Churchill and head of the Engineering Department he progressed to become Vice Chancellor of the University.

**Alec as VC**

His tenure as Vice Chancellor was also characterised by his dynamism. The expansion of West Cambridge to house a new physical sciences campus was driven by Alec. He also enthusiastically supported the University being an active partner in promoting the rapidly expanding start-up company echo system in Cambridge, The Cambridge Phenomenon. Together with Herman Hauser representing the start-up community he established the University as a key stake holder in the wider development of the Cambridge technology cluster. This is commemorated in West Cambridge
today by the Broers Building which houses industrial companies and start-ups and the adjacent Hauser Forum which is the base for Cambridge Enterprise, Cambridge Innovation Capital, The Cambridge Network and Ideas Space which house early stage spinouts from the University.

Alec stands out for his lack of pomposity, approachability, willingness to always listen to new ideas, being rational and at the same time sensitive to the individual. These are qualities no doubt which led to him being elected President of the Royal Academy of Engineering and appointed to the House of Lords as a crossbencher after he completed his tenure as Vice Chancellor. **He remains an avid sailor**, at times alone, of oceans.

Gehan Amaratunga

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**Masters Old and New**  
By Archie Howie

Those Masters of old got this deal –  
A fine figurehead you should feel:  
A last job in your life  
That with luck's free from strife;  
Kind wisdom your chance to reveal!

When Provost of Kings he became  
'Young' Sheppard conformed, with the aim  
To fast forward his age  
As a white-headed sage  
And walk with a stick as if lame!

But when Broers as Master we hail  
So callow these old rules will fail  
And in looks younger still  
Action spirit instil  
His boat at the Lodge poised to sail!
As Master wide skills could take wing
To speeches thoughts hard-crafted bring
   Archives crisis now staunched
   Møller’s Centre then launched
No step stone – but true cosmic sling!

On Mary, who partnered this show,
Hanging rights see Churchill bestow
   To a rude Burns toaster
   Responds with her roaster –
Whose choice words you don’t need to know!

Microscopists tend to think small
For wide vision no good at all.
   But our young Peter Pan
Wisely switched to broad scan
And for VC soon got the call!

At student and Fellows’ success
Our pleasure we often express
   But much rarer by far
Is this past Master star
Who benches of Lords can address!
Global Role Model for Young Students and Female Scientists
The Master in Conversation with Dame Jocelyn Bell Burnell

On 28 November 2018, the Master was in conversation with Dame Jocelyn Bell Burnell, an astrophysicist, best known for her discovery of pulsars – rotating neutron stars that appear to ‘pulse’ since the beam of radio waves they emit can only be seen when it faces the Earth. Her observation, made together with her supervisor, Antony Hewish, is considered to be one of the greatest astronomical discoveries of the twentieth century. She had to wait until 4 November 2018 to get the recognition she deserved. In this piece Professor Alec Boksenberg, a Churchill Fellow, gives a vivid account of her life and the many obstacles Dame Jocelyn had to surmount.

Dame Susan Jocelyn Bell Burnell DBE FRS FRSE FRAS FInstP was recently awarded the Special Breakthrough Prize in Fundamental Physics for her discovery of radio pulsars when she was a postgraduate student in 1967 under her PhD thesis supervisor Antony Hewish. This discovery, seen to be one of the greatest in astronomy of the twentieth century, was highlighted in Hewish’s citation when he alone shared the Nobel Prize in Physics together with Martin Ryle ‘for their pioneering research in radio-astrophysics’.

Dame Jocelyn did not come from a family of scientists. Her father was an architect, although his technical expertise showed he could have been a scientist, and she herself was strongly inclined to science. However, she had failed the 11-plus examination and for a woman in those days the options were only in employments such as a hairdresser, secretary or unqualified nurse, due to the expectation that you would soon get married.

Subsequently, she learned that in some areas, girls were required to get a higher pass mark than boys, because girls at age 11 to 12 were brighter than boys typically, and were only going to get married, but girls were passing the exam and cluttering up the grammar schools, so stopping boys getting educated. Her parents had it out with the headteacher because for the first
two years in that school she had been in its ‘prep’ department and they claimed it had failed to educate their daughter; and it was already decided she would be going on to boarding school at age 13. So, she was put in the grammar school stream for the first two years of secondary school.

**Something unusual for a woman**

One of the other battles her parents had to fight was to enable her to do science. In the first week of term of the first year, boys were segregated into science and girls into so-called domestic science, with no discussion, no choice. In fact, the science teacher ended up with three girls in the class which he put right under his nose in the front row, so clearly, they were considered dynamite! In the first term she **came top in physics with a mark of 97%** – the only thing she got wrong (accidentally) was the value of the speed of light – so she decided physics was easy. Her interest was mostly in physics. Chemistry was OK. But biology was boring. When she went to a girls’ boarding school in York, she found that all the science teachers were male imports just for the lessons. The physics teacher was well qualified and extremely good, the applied maths teacher good, but the chemistry teacher fundamentally inadequate.

Next, at the University of Glasgow, she took physics alone and only then began to see that this was unusual for a woman. This first became clear in the women’s hall of residence when she was questioned by other students as to how she can bear to do physics and whether she was sure she wanted to. She thought perhaps this was envy because she was showing that she was entering something unusual for a woman and the others were taking more conventional routes. She was in fact **the only female in the honours’ physics class**, with 49 males. It was then the tradition in science and engineering that when a woman came into the class all the men would pound their desks, stamp their feet and make catcalls and whistles. The volume of noise was phenomenal and it must have been heard outside but nobody in authority did anything. She was not top in physics although well up in the class, but was top in a subsidiary maths exam and all the rest of the students were furious.

She knew she wanted to be a physicist, but what kind of physicist? One day, when she was 14 or 15, she read two astronomy books – brought back home by her father – cover to cover. One of these was by Fred Hoyle and **this inspired her to be an astronomer**. The next in context was that her father was the architect for the Observatory of Armagh and she often went
there with him. One of the staff showed her a telescope and explained that one has to work at night. But she knew at night she needed her bed! Oh dear, maybe she couldn’t be an astronomer!

A day astronomer

She then discovered the existence of the new radio and X-ray astronomies, the first performed from the ground and the second by rockets to space, and took to the first because this could be done day or night while the second was more limited and each shot had some risk of failure. To do modern astronomy, physics was essential, but her aim was always towards its application to astronomy. In the final summer as an undergraduate student she worked at Jodrell Bank but it didn’t wish to take on a woman for postgraduate work. She then applied for a postgraduate position in Australia and also in Cambridge although the latter with little hope, but Cambridge accepted her so she took it. Later she discovered this acceptance was because she had a Northern Ireland personal grant so would be cost-free to the Department!

Imposter syndrome

There were two other women there with her. Looking back, she realised that on arrival she suffered from imposter syndrome. Coming from Northern Ireland, York and Glasgow she felt a real country bumpkin and had arrived at this suave place with people all seeming frightfully confident and letting one know how bright they were. She had thought ‘I’m not that bright: they made a mistake in admitting me, they are going to discover their mistake and throw me out’. In a typical imposter case the student goes on to think it better to leave before being thrown out, and goes back home about ‘day three of week one’, but she was a bit of a fighter and thought that until they throw her out she was going to work her very hardest and then, when thrown out, she wouldn’t have a guilty conscience but know she had done her best and simply wasn’t bright enough for this fantastic place. So later, in her observational research, she was being extremely thorough and that is how she spotted an anomaly which was at a chance of about 10 parts in a million and revealed a major astronomical discovery!

A small ‘fuzz’ on the chart

Under instruction by her PhD thesis supervisor Antony Hewish she had spent her first two years building a telescope array and associated equipment
together with several others which when finished then disappeared, and for
the first half of her third year, 1967, solely used the telescope. The whole
University had only one computer at that stage, and with less memory than
a laptop today, so she was dealing by eye with literally miles of chart paper!
While she was operating the chart recorder one lunchtime, she noticed a
small ‘fuzz’ on the chart which turned out to be a short string of pulses 1.3
seconds apart. She called Antony Hewish and he said, ‘that settles it, it’s man
made’, local interference being common near Cambridge. However, she knew
it kept pace not with the solar day of 24 hours but with the stars at 23 hours
56 minutes in their day, so what type of local interference could that be?
‘Except other astronomers’, she joked and raised a laugh.

She knew the observation was very peculiar and needed to be investigated,
but slightly regrets her initial tag ‘Little Green Man 1’ (LGM-1) in place
of a usual numerical sky-position formulation. She remembered an agonised
discussion in a meeting about three weeks later (to which she had not been
invited but stumbled upon): ‘we’ve done most of the tests we can do on this;
but how do we publish it, we’ve only got one of them; what scientific journal
will take us seriously; are we going to damage our reputation?’ But that night
she found a second one, and two weeks later two more.

**First scientific paper**

These repeating graphical traces all pointed to the fact that the objects are
rotating and sweeping out their beams of radio waves. They had to be small
because the pulses as observed were sharp despite the irregular structure of
the interplanetary medium, but at the same time very massive because the
rapid pulse speeds did not noticeably run down through loss of energy by the
emitting body. The first scientific paper was published in February 1968 with
authors headed by Antony Hewish, herself next and followed by three others.

**The two-body problem**

She had been critically involved in these four discoveries and after that she
stopped observing to focus on finishing her thesis before her money ran out.
But between her third and fourth discoveries she got engaged and ‘made the
mistake’ of wearing her engagement ring: she had plans to continue in science
but hadn’t really worked out the impact of getting married and the negative
attitude to married women at that time. It meant following her husband
around the country every five or ten years for him to get promotion (the ‘two-body problem’) while she started afresh on a different astronomical topic at each venue, only to start again at the next: her career being like a game of snakes and ladders. She moved from radio astronomy, to studies of the top-side ionosphere, to gamma ray astronomy, to X-ray astronomy, to infrared astronomy, to millimetre wave astronomy. Nevertheless, she enjoyed considerable success, learned a lot, and importantly got her name on many papers.

The ‘No-Bell Prize’

In 1974, while working on X-ray astronomy, at the Mullard Space Science Laboratory, an outstation of University College London, she was among a team watching the relayed launch of an X-ray satellite containing their equipment and after a while she went back to her room and desk. Then a colleague rushed in and said ‘Have you heard the news?’. She thought ‘Oh it’s crashed!’ But it was the announcement of the Nobel Prize in Physics to Martin Ryle and Antony Hewish. Her colleague thought she would be furious at being left out but she said that she was really, really pleased because this was the first Nobel Prize in a subject in astronomy, she was proud it was her stars, and it meant others could now follow. While she herself was not cross many were on her behalf and it became known amongst her contemporaries as the ‘No-Bell Prize’. Again, it might have been a gender issue for her.

Jocelyn Bell Burnell at the OU

Then, after twenty years of this widely travelled activity, at the age of 50, the marriage broke up. Her son was then a material scientist and is now teaching physics. For the first time in her life she could go after a job not because where it was but because what it was. In 1991 she was appointed Professor of Physics and Head of Department of the Open University, doubling the number of female physics professors in the UK, and led the department for ten years. There she made the place more research-focused and herself had graduate students, building up a successful group in multi-wave stellar astrophysics which is still there today.

A global role model

She has since become a role model for young students and female scientists throughout the world. She became CBE in 1999, Dean of Science
at the University of Bath 2001–04, President of the Royal Astronomical Society 2002–04, Fellow of the Royal Society in 2003, DBE in 2007, Visiting Professor of Astrophysics at the University of Oxford and Fellow of Mansfield College in 2007, the first female President of the Institute of Physics 2008–10 and of the Royal Society of Edinburgh 2016–18, Chancellor of the University of Dundee in 2018, her story was featured in BBC Four’s Beautiful Minds, and BBC Two’s Horizon documented her discovery of ‘Little Green Man 1’. In addition to all this, dating from 1973 to the present she has received a great number of awards and citations far too long to list here!

**An Oscar for Scientists**

In an enormous further boost, on 4 November 2018, came her award of the Special Breakthrough Prize in Fundamental Physics for her celebrated discovery of pulsars and her inspirational leadership within the scientific community. Such awards were ‘Oscars for scientists’ as she described them, and with all the related ceremony one expects thereof. Then, to her own question ‘what do you do with three million dollars when you are aged 75?’, her answer (to great applause from the audience): to enable research studentships in physics for those in under-represented groups in the UK and Ireland – not only women, but gender diversity in general including minority ethnic, particularly black, and refugees. There already are shifts in this direction for women through the Athena Swan organisation (Scientific Women’s Academic Network) established in 2005 and which she helped by her strong support, which is widely credited with improving the lives of women in academia. Most recently, in February 2019 she became Woman Scientist of the Month of the European Platform of Women Scientists.

The conversation closed after Dame Jocelyn answered questions from the audience.

I am indebted to Alan Harmer for his valuable assistance up front in preparing this record. To experience in full this fascinating Conversation with the Master you can access it at www.chu.cam.ac.uk/about/events/conversations/jocelyn-bell-burnell/

Alec Boksenberg
Professor David Reynolds¹, a former Archives Fellow, gives us two very good reasons why we should read Allen Packwood’s recent publication *How Churchill Waged War: The Most Challenging Decisions of the Second World War*. Firstly, Allen – as Director of the Churchill Archives Centre – has a deep understanding of the complex paper trail of Churchill’s war and secondly, Allen analyses carefully how Churchill took decisions, revealing a complex and conflicted leader.

Yet another book on Churchill? Why should you bother to read this one? Let me give you two simple reasons.

First, it’s by the Director of the Churchill Archives Centre. I don’t simply mean that you ought to support the Home Team (though of course you should). My point is that Allen Packwood has an *unrivalled knowledge* of the treasury of documents over which he has presided for nearly two decades. Most historians ‘dip into’ the Churchill papers; Allen has practiced total immersion. And not just in Churchill’s papers but in those of his many colleagues, advisers and interlocutors who cohabit the stacks behind the Roskill Library. After all, what do they know of Churchill who only Churchill know? In other words, this is a book by someone who *really understands the complex paper trail*.

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¹ Professor David Reynolds, FBA, is an external member of the Churchill Archives Committee. His most recent book is *The Kremlin Letters: Stalin’s Wartime Correspondence with Churchill and Roosevelt* (Yale University Press, 2018), co-authored with Vladimir Pechatnov (Moscow) – a former Archives Fellow.

trail of Churchill's war. His chapters stick closely to the documents, but select from them to bring the story alive – whether it is Churchill driving to Buckingham Palace on 10 May 1940 to realise his lifetime's goal of becoming the King's First Minister, or feverishly working at Chequers on Sunday 22 June 1941 to prepare a broadcast welcoming the Soviet Union into alliance against Nazi Germany – and thereby apparently overturning more than two decades of passionate anti-Bolshevism. ‘If Hitler invaded Hell,’ he explained to his private secretary Jock Colville, ‘I would at least make a favourable reference to the Devil in the House of Commons.’

Second, this is not another broad-brush biography, but a carefully wrought miniature depicting how Churchill took decisions. The ten chapters are detailed sketches spanning across the wartime canvas, each one posed as a stark question, for instance ‘Britain or France? How did Churchill respond to the collapse of his ally?’ or ‘Do or Die? How did Churchill survive the fall of Singapore?’ The book ends with ‘Victory or Defeat? Why did Churchill fight the 1945 election so aggressively?’ The aim of this approach is to ‘challenge some of the more simplistic assumptions about Churchill’s wartime ministry’ that recur in popular mythology and heroic movies. The result is to reveal a leader who was ‘more political, often more conflicted, less omniscient, more consultative though not always more considerate, inevitably more human and in my view much more interesting than the icon.’

One might perhaps wonder if a binary ‘either/ or’ approach to decision making is always the best way to open up the subtleties of Churchill’s leadership. But, arguably, his was a binary mind – or at least a binary mode of argument. And what one does get, vividly, from these chapters is a picture of a leader who understood the maxim ‘to govern is to choose’, and did not fear the consequences of doing so. To those who still feel numb from the remarkable muddle of Brexit, How Churchill Waged War also has a very topical message.

David Reynolds
From the Suffragettes to the ‘Snowflakes’
Helen Pankhurst’s talk

Grace England, President of the Churchill History Society, invited Helen Pankhurst to give a talk in the centenary year of women winning the vote. Grace tells us that Helen’s talk – based on her recent publication ‘Deeds not Words’ – explored the past and present of women rights. Grace adds that it was both informative and engaging, but also discursive and encouraged audience participation.

At the start of the 2018 Michaelmas term, we welcomed the wonderful Helen Pankhurst as the first speaker for our Churchill History Lecture Lent Series. I had first been inspired to invite Ms Pankhurst to speak at Churchill back in the summer. I wanted to find a speaker who would bring something to the lecture series that we hadn’t had before – with 2018 as the centenary year of women winning the vote, and with a desire to have a talk in the series which represented women, especially within political history, Helen seemed the perfect choice. Additionally, the Churchill Archives are fortunate enough to have some letters from some of the Pankhurst sisters, written to Churchill himself and urging him to support women’s suffrage, thus Helen had a direct familial connection to the Archives herself. After finding her contact details through an exhibition of Rights for Women that she co-curated at the Senate House in London, I got in touch with her and she was kind enough to agree to come to the College on 14 January.

One of the most successful aspects of the talk, I felt, was that we had such a diverse array of attendees. Young to old, fellow to first-year undergrad, with some visitors even bringing their young children, the subject of Helen’s talk clearly reached out to many. It was immensely busy, with seats quickly filling up and the Jock Colville Hall fit to bursting!

Progress of women

Helen based her talk on her recent publication; ‘Deeds not Words,’ which explore both the past and present of women’s rights. She divided her talk as she divided her chapters, focusing on the progress of women within a different sector of society throughout history. For example, women in the economy,
women in employment, women in politics. Whenever she broached one of these topics, the audience had to gesture whether they thought things had improved, worsened, or stayed the same for women in each of these sectors since 1918.

**An informative and discursive talk**

Helen’s talk was both informative and discursive – she encouraged participation and opinion from the audience, making the event more of a debate or seminar than a lecture. She conversed on the legacy of her famous relatives; the Pankhurst sisters, and how things changed for women during their lifetime. She also went on to discuss various turning points in British economic and political history, such as the election of the first female Prime Minister, questioning whether these events may have resulted in advancements, or even drawbacks, in opportunities for women. The audience were able to contribute their own stories and views on these subjects, both from the past and into the present-day. A wide range of opinions was presented, and a **variety of gender issues were touched upon**; from the problem of safety with solitary female travel, to continuing problems with tackling rape culture and toxic masculinity in the modern world.

**Offering advice and viewpoints**

Over the course of the talk, the hall also became a forum for offering advice and viewpoints between the generations. For example, one gentleman asked for help on coaching his young granddaughter towards a career in STEM and away from a typically ‘feminine’ career in the beauty industry. Younger peers encouraged him to see her interest in both subjects as evidence of expanding opportunity for young women, and a refusal to let stereotypes dictate what a woman could and couldn’t do.

Coming away from Helen’s talk, all were left with a lasting impression of what women had achieved, what they had lost, and what is still left to be gained within modern society. It was **thought-provoking, informative** and **enormously enjoyable**. Helen’s talk was not a talk on history as such, it was an education on how women’s current economical, civil, social and political situation differs from that of 1918, and how much changed, or did not change, in the decades between.

Grace England
Allen Packwood, the Director of the Churchill Archives Centre and a Churchill Fellow, interviews John Fleet, the writer and director of a ground-breaking new documentary *Churchill and the Movie Mogul*, which received its second only screening at Churchill College on Tuesday 12 February 2019.

**This is your first documentary. What led you to want to become a film-maker?**

Curiosity, above all. As a profession, it allows you to explore endless avenues and leads you to places you could never predict. I studied business, not film-making, and then went into advertising for many years, but film was always my passion. It was just a case of finding a good idea and committing to it.

**How did you find your topic? Why Churchill and Korda?**

I was reading a biography of Alexander Korda, looking for an angle on him for a screenplay. To my surprise, I discovered that he had employed Churchill as a screenwriter in the 30s. I’ve always been fascinated by the crossover between storytelling and politics, and it struck me as a great relationship to explore.

**Tell us a little bit about the research process.**

I began by studying the Korda films to see which of them might contain a political dimension, which turned out to be most of them. I read widely about the period and tried to join the dots. There are four biographies of Korda and over a 1,000 of Churchill, so it was on the Churchill side that I needed to be more selective.
How did your time in the Churchill Archives Centre help?

The archives were a treasure trove. They contain an enormous number of script notes, which Churchill wrote for Korda, as well as their general correspondence. It also holds the drafts of Churchill’s screenplay about The Reign of George V. There are also his projectionist’s notes. It’s wonderful that he would note down a comment from him after each film. For example, after watching Wuthering Heights, his only comment was, ‘It does rain an awful lot in Yorkshire’.

What did you find most surprising about Churchill’s relationship with film?

I think his level of enthusiasm for it was surprising. His staff were all brought in to watch the films with him and the impression you get is that it was a central part of his life. He reportedly watched Korda’s film, That Hamilton Woman, 17 times, and cried every time. That in itself is extraordinary. The fact that the film depicts his hero, Lord Nelson, is of course a large part of that, and a way into the Churchill character that I think is very revealing.

What does it feel like to see your work on the big screen?

A mixture of horror and excitement. It’s very difficult to watch it without being critical, but I am starting to feel more comfortable with the experience now.

And what are your hopes for the finished piece?

I hope it will appear on TV or Netflix this year.
On 8 March 2019 the Master was in conversation with Professor Alison Finch – a fortuitous time to have such a conversation on International Women’s Day. Tim Cribb, a Churchill Fellow, reminds us powerfully of the parallel between today’s feminist movements in Britain and America and the Russian Revolution triggered by the feminists of St Petersburg who marched through the streets on 8 March 1917. He goes on to remind us that on 8 March 1969 Churchill Fellows voted to admit women – the first Cambridge College to do so. And as luck would have it, 50 years later the Master was in conversation with Alison Finch, one of the first women elected to a Fellowship.

When you think of today’s feminist movements in Britain and America do you also think of the Russian Revolution? Probably not, yet that Revolution was in fact triggered by the feminists of St Petersburg when they marched through its streets on 8 March 1917, a date which their movement had recently decided to mark as Women’s Day. The idea had been floated by the Socialist Party of America, of all countries – but this was the America of 1909 – at their conference in New York, and was taken up by the International Socialist Women’s Conference of 1910 in Denmark. This was what inspired the women of St Petersburg to go on their march. It happened to coincide with a major wages’ strike by workers in Russia’s biggest engine and armaments factory. The two movements converged and escalated into a general strike by workers of all trades for the broader aims of equality and peace, against war and the Tsar. The army joined in and by the end of the week the Tsar had abdicated, a provisional government had been formed, and women got the vote. Some shift of paradigm! **That was the first Russian Revolution.**

The second Russian Revolution of October 1917, led by Trotsky, Lenin and the Bolsheviks, toppled the provisional government, but consolidated its suffragist legislation and enshrined Women’s Day as a national holiday. Sixty years later the United Nations followed suit and invited all states of the world to dedicate the date as a day for women’s rights and world peace.
Voting to admit women

That’s the international context for the day when, fifty years ago, on the same magic date of **8 March 1969**, a special meeting of our Governing Body gathered together and voted that the College should admit women. Churchill thus became the first College to disrupt the established Oxbridge paradigm of sexual segregation in which one’s College identity was consolidated with one’s gendered identity. Those who had gathered to vote on the revolutionary proposal were of course all men, so did ghosts of the women of St Petersburg march into the room with them and whisper over their shoulders to prompt the decision? In a way, yes, since some whispering must have been going on, for the College’s Statutes had been changed as early as 1966 to allow for this. Churchill then waited until Clare and King’s had arrived at the same decision, so that women could arrive at all three Colleges in the same year of 1972 with maximum impact. There had been no need for marches. The revolution had been conducted Cambridge style, by committee. The arrival of the women was in itself a demonstration, and although no one would claim that sitting in a committee is exhilarating, certainly not when compared with marching in a street, it can nonetheless be said that the revolution, like the first Russian Revolution, spread like wild fire, for by 1988 all the men’s Colleges in Cambridge had made the change and the University itself had started to purge its Statutes of gendered language. The Oxford Colleges followed suit.

**Alison – 2nd woman to be elected a Fellow**

That’s the Cambridge context, helpfully spelt out by Mark Goldie in a timeline distributed to the audience who gathered in the Wolfson Theatre on, felicitously, the same **charismatic date of 8 March** in 2019, an audience that included alumni and Fellows who had been members of the College at the time of the vote. They had come for *Give Me Inspiration! The Paradigm Shift*, an especially fitting contribution to the series of conversations that the Master, Athene Donald, has conducted under that banner.

What made it especially fitting was that the conversation was with Professor Alison Finch, for Alison was the second woman to be elected as a Fellow. The first, alas no longer with us, was the legendary plant physiologist, Daphne Osborne, who did not live to see this anniversary.
Not that after the decision to go mixed had been put into effect a feminised Churchill immediately becoming an Elysium of Arnoldian sweetness and light (which in any case would have been somewhat cloying). A majority of the Governing Body may have been in favour of change but some had not, and so it was that on arrival Alison was greeted by the Master, who informed her that he had been one of those who had voted against her being there and genially advised her that it might be prudent to lie low and say nothing for at least her first year. By contrast, that great man, Dick Tizard, the Senior Tutor, had skillfully piloted through the detailed administrative and housekeeping adaptations needed to put in place the appropriate structures and procedures. He devoted the same careful attention to relations with the University, and also with the women’s Colleges, which now had to begin sharing the choice of women applicants to Cambridge with all the three formerly all-male Colleges. So it was that when in due course Alison applied for maternity leave the College proved supportive on both occasions, although she did encounter some random comments on the first of them.

A scholar and a reformer

The main difficulties arose from raising a family in Cambridge while her husband, Malcolm Bowie, was having to commute to his Chair in London. However, Alison could continue to draw strength for her feminism from her academic work on Stendhal and his interest in women’s education, of Proust and his exploration of the fluidity of identity formation and gender. The prospering of this work led to a Lectureship in Cambridge and eventually Chair at Oxford, where she helped her College, Merton, to get rid of the notorious cherry-stone test – the employment of dining as part of the interviewing process for Junior Research Fellowships.

Alison later returned to Cambridge when Malcolm Bowie became Master of Christ’s, and MML made her an Honorary Professor. In Churchill, Alison resumed Direction of Studies and served two stints as Vice-Master and had a great working relationship with Paula Laycock (then Halsom), the Registrar. So it was fitting indeed that Alison should be part of this series about inspiration.

The principle of justice

Also fitting was that, early in the conversation, Alison broadened the issue by invoking the principle of justice. She had benefited from being an
undergraduate at a women’s College, Girton, but, even during the heady days of the Sixties and the reforming government of Harold Wilson, she had felt the sheer injustice of excluding women from the majority of the Colleges, thereby restricting women’s opportunities for entrance to Cambridge, while multiplying the opportunities for men. Nor did the injustice stop there, for those opportunities had not been, and still were not, for all men. Most working-class men would never be in a position to take advantage of them, certainly not when the school leaving age was 15, as it had been when her own father had had to leave school. Equality of qualification for access remains a problem, both for women in STEM subjects and for working classes in general.

The Master’s conversations have addressed both issues, although aimed especially at the former. Readers of this record know the Wolfson and so can imagine the scene: two people perched on chairs near the front of that wide stage, talking to each other over a little coffee table, while the banner of the series is projected across the ceiling-high stage curtains behind them. Once the principle of justice had been evoked it was not too difficult to relate all the conversations under the banner of Athene to the convergence of feminism with the demands for a universal social justice in St Petersburg in 1917.

Tim Cribb
A Transition from Experiments to Scientific Management
The Master in Conversation with Professor Melanie Welham

Dr Rita Monson, Director of Studies for Natural Sciences and a Churchill Fellow, reports that on 9 May 2019, the Master was in conversation with Melanie Welham, Executive Chair of the Biotechnology and Biological Sciences Research Council (BBSRC), a position Melanie has held since 2018. Before transitioning to the BBSRC, Melanie was Professor of Molecular Signalling at the University of Bath.

The Master’s conversation with Professor Melanie Welham started with an exploration of her upbringing and how it impacted her career trajectory. She was raised in Suffolk and, by her own admission, experienced a very ordinary childhood. Her father was an agricultural worker, which meant that she was afforded a lot of personal freedom to walk and explore the fields near her house. Her parents had not been to University but supported Melanie’s curiosity to explore her scientific interests further. Over the Easter holiday just before her O-levels, Melanie was able to take a spare rat home to practise her dissection practical, notably without gloves, an obvious necessity for such a practical today. While her parents were supportive of her scientific interest, she was required to complete the dissection at the bottom of their garden, away from their house. Ultimately it was this freedom to explore and the support of her teachers which led her to Imperial to study Life Sciences.

Studying Life Sciences
Melanie’s experience at Imperial and then later completing a PhD at the Imperial Cancer Research Fund (now CRUK) were a great cultural change in her life. She went from living in a rural setting to living in London with a roommate who had attended Marlborough College. At the time, 15% of undergraduate students were women and came from a variety of socioeconomic backgrounds, a significant change from her previous day-to-day interactions. Melanie described a continued desire to undertake
**research** and explore scientific questions more widely, even from before her undergraduate degree. This was despite being discouraged to undertake this path by an undergraduate interviewer before she had even begun her studies. It was also during this time when she first met her now-husband.

**‘The two-body problem’**

Melanie and Athene then explored the difficulty of competing career opportunities when you are part of a relationship, or as academics sometimes describe it ‘the two-body problem’. Following her PhD, Melanie’s husband had an opportunity to move to Canada. While this may not have been her first choice of move, they compromised and she moved, establishing herself in Vancouver at a newly established research institute. They lived in Canada for six years, at which point Melanie was keen to become more independent as a scientist and move back to the UK. In this era, the journal Nature arrived by post. Melanie saw a lectureship advertised and applied. This was now a chance for **Melanie’s opportunity** to take precedence over her husband. Thus, they moved back to the UK and Melanie took up a position in Bath.

**Bias faced by women in the Sciences**

Melanie and the Master discussed the position women find themselves in when applying for promotion. She was unaware of how to apply for promotion but was encouraged to have a look into it by a colleague. Melanie’s sense was that without someone asking her why she wasn’t promoted she may never have asked. This then led to a lengthy exchange regarding bias women face in the sciences. For example, the Master and Melanie discussed the language used in applications and reviews of grants from male and female applicants. They also discussed the recent finding that it takes longer for female-led papers to get through the journal review process, and the impacts that this has on promotions and grants. There was a general sense that further evidence was needed to support these early studies but that the findings reflect wider societal perception of women. Approaching this area with a scientific view, both the Master and Melanie agreed that more controlled and rigorous study were also required.

**Q & A session**

During the question and answer section with the audience, a spirited discussion of the connection between teaching and research funding was
undertaken. Melanie also discussed the changes found in schools and how we can **encourage more diversity and scientific role models.** Ultimately, the discussion centred on the need to demystify the profession of scientist to children. Melanie described visiting schools and need to show, on the ground, the different ways a scientist can look.

Finally, the discussion concluded with a challenging question on the issue of female representation on committees and the need to have more women in public facing roles. As there are not as many women in senior academic positions, this means that women independent investigators are often required or asked to undertake a higher workload and, consequently, are potentially held to a higher standard than their male peers. While it may have been an unsatisfying answer, Melanie pointed out that the only way to change this is by **increasing the number of women in Science** and that for the moment this larger burden may continue to exist. She acknowledged that there was no real or immediate solution. However, she did point out that women should also feel like they can say no to academic commitments. Advice that all of us can potentially take to heart.

Rita Monson
The Entrepreneurs of the Future
Churchill College Enterprise Competition

The final of this year’s Churchill College Enterprise Competition took place on Monday 29 April. The competition was generously supported by the headline sponsor, the Federation of Shenzhen Commerce (FSC) with additional prizes sponsored by Cambridge based companies Cyberhive and ideaSpace. Annabel Busher reports.

Capturing the spirit of Churchill’s intent to produce the leaders of the future, the Churchill College Enterprise competition seeks to identify and nurture the best business ideas of current Churchill students and alumni. Open to teams or individuals with an innovative service or product they would like to develop; the competition awards the winning entry £1,000 to develop their ideas further together with experienced business mentoring from the panel of judges (drawn from Churchill alumni) and free part-time membership of ideaSpace for a year. This year there was also a £250 prize for the ‘Most Innovative Technology’, awarded by supporting sponsor Cyberhive. All eight competition finalists also received one-to-one mentoring support for the duration of the competition, together with the potential to access ongoing ‘in-kind’ investment (advice, networking and mentoring) by panel members, depending on the quality and nature of their entry.

This year’s finalists
This year’s eight finalists were each allocated a mentor drawn from Churchill alumni and given four weeks to prepare their final 20-minute presentation pitches to an expert judging panel made up of five experienced, entrepreneurial alumni, including chair Simon Jones (U85), Nigel Bacon (U74), Paul Czekalowski (U88), Philip Hilton (U67), Valerie Jolliffe (U73) and Alan Platt (U93).

The teams pitched a variety of creative business ideas from publishing and proofreading to inventive digital biomarkers and the harnessing of virtual reality to deliver Autism intervention services. Enterprise Chair and panel judge Simon Jones (U85) reflected on the high quality of ideas submitted; ‘It was utterly fabulous to see entrepreneurialism and innovation alive and kicking in our corridors of academia. Definitely some really exciting business opportunities in the mix here that we have high expectations for.’ Another
panel judge, Alan Platt (U93), whose company Cyberhive sponsored the ‘Most Innovative Prize’ award explained why the competition was so valuable; ‘Encouraging the Cambridge tradition of innovation is critical to the future success of the city and the region. The Churchill Enterprise Competition is an important way to find and nurture the entrepreneurs of the future at an early stage in their start-up journey.’

Main Prize Winners

The team that won the main prize was AUVR (Autism Interventions using Virtual Reality), led by current Churchill student Bang Ming Yong (G15), his brother Bang Xiang Yong (G18) and fellow Cambridge students Muhamad Kaiser and Tianheng Zhao. Their idea, to improve the delivery of Autism interventions through the use of smart and reconfigurable software using commercially available high-end virtual reality (VR) headsets, had the ultimate aim of reducing contact hours with specialists and potentially allowing for interventions to be administered in the comfort of their own homes for autistic children showing progress. It was particularly exciting that the team leader Bang Ming Yong (G15) first pitched his idea at last year’s Churchill ‘Pitch to win’ competition and won. Bang recalls that taking part in the earlier competition improved his pitching skill and gave him the confidence to purse his idea further. He went on to assemble a team and worked to acquire the resources to validate his idea, and is in no doubt about the value of taking part. Bang Ming Yong tells us:
The Churchill Enterprise Competition was a wonderful opportunity to develop our business pitching skills. Having access to an experienced business mentor was really helpful to give us insights and prepare us for the pitch. Typically, early stage business ideas are always rough around the edges and requires refining. To sharpen the idea, you need to pitch it to someone experienced to give you feedback. Ideally, you don’t want the feedback for improvement to come when you are pitching for large sums of money, you would want it earlier. We know because we have a few real investment pitches coming up soon and the Churchill Enterprise Competition was timely in providing feedback to further improve our chances.

The AUVR team is now excited for the future and busy gathering the necessary resources to start their venture, beginning with a number of upcoming business investment pitches to secure more funds. They are also keen to continue to validate their business idea because of their belief in the importance of using scalable technology to manufacture a better world.

Most Innovative Technology Prize Winners

The team that won the £250 ‘Most Innovative Technology’ prize sponsored by Cyberhive was team OSIRIS. The team comprised three Churchill postgraduates Arushi Agrawal (G18), Michael Denham (G18), Joseph Kannarkat (G18) and fellow Cambridge students Ankit Chadha, Simran Goyal and Ashwin Venkatesh. Team OSIRIS proposed a device benefiting patients suffering from Peripheral Arterial Disease (PAD) that was capable of frequently monitoring arterial compliance and alerting individuals to early changes, thereby preventing and limiting the number of drastic interventions such as surgery.

Arushi Agrawal (G18) and her team were delighted with the recognition they received through the prize and motivated ‘to pursue entrepreneurship in the future – we all plan to pursue the idea we have put forward by OSIRIS and aim to continue similar pursuits regardless of the outcome’.

Team OSIRIS were also clear about the benefits of taking part in the competition and encouraged others to apply in future years! Reflecting on her experience Arushi tells us:

‘The Churchill Enterprise Competition was an opportunity for us to explore our interests in an important health problem that affects hundreds of thousands of people and develop a product to potentially combat this issue. However, we
quickly learned that successfully creating a product is much more than just having an idea. It also takes skilful planning, technical expertise, business planning, networking and long-term thinking. These are soft skills that the competition enabled us to recognise and nurture. We will definitely spread the word about the competition to our friends and colleagues. It has been a wonderful learning opportunity and chance for mentorship. It is a perfect way to assess an idea and its potential for long-term development. Most importantly, the competition enables individuals to discover if entrepreneurship is something they would be interested in as a career.

**Thanking our Sponsors**

The final word of thanks must go to our competition sponsors, most notably our headline sponsor the Federation of Shenzhen Commerce (FSC), without whose generous support the competition would not have been possible. Headline sponsor, the Federation of Shenzhen Commerce (FSC) is a mutual-benefit and non-profit social organisation formed by the top Shenzhen entrepreneurs for acquiring important information, social and governmental resources. The competition final was attended by Dr Li Peng from FSC UK who explained the motivation for FSCs involvement:

‘The Federation of Shenzhen Commerce is proud to be the sponsor of such an amazing competition supporting ideas and collaborations from such a great university. We see innovative ideas from education to health care, from technical innovation to creative innovation. The teams are engaging, the judging panels are with a wealth of experience and the events are perfectly organised. We look forward to meeting more entrepreneurial students next year.’

Thanks are also owed to our supporting sponsors Cyberhive and ideaSpace for their generosity.

For more details, please go to: [www.chu.cam.ac.uk/enterprise-competition](http://www.chu.cam.ac.uk/enterprise-competition)

Annabel Busher
Mirroring the Diversity and Inclusiveness of Churchill College
The Xiaotian Fu Garden

Paula Laycock, former Registrar at Churchill and a part-time College Records Officer, gives us a detailed account of the latest addition to Churchill grounds and gardens – The Xiaotian Fu Garden. Xiaotian was a postgraduate at Churchill doing an MPhil in Education in 2007–08.

‘I’m truly proud to have a garden here at my beloved alma mater, Churchill College, Cambridge.’

Xiaotian Fu

On 10 May 2019, the College’s first new garden, the Xiaotian Fu Garden, was formally opened at a ceremony attended by delegates from the Chinese Embassy and Peking University.

The garden has been named in recognition of a gift by Ms Xiaotian Fu to support learning and research at Churchill College. Ms Fu graduated from Churchill in 2007 with an MPhil degree in Education. A successful media career in China soon followed, first as a war correspondent in Libya and Syria.
and, since 2015, as host of the TV programme *Talk with World Leaders*, which broadcasts to an audience of over 200 million people. Ms Fu has chosen to **give back to Churchill College** to help future generations of students with the gift of a new garden and financial support for students.

The new garden was designed by the College’s Head of Grounds and Gardens, John Moore, and is situated in the former garden of 72 Storey’s Way. The garden mirrors the diversity and inclusiveness of the College in which it sits and embraces the distinct Arts and Crafts buildings by which it is surrounded, the more modernist landscape it adjoins, and the Chinese heritage of its benefactor.

**The garden design**

The design is based on a College courtyard, being square with four exits in offset corners. The brick benches are a nod to the 1960s and the oak pergolas are intended to represent entrance colonnades. The clay pavers, recycled Cambridge white bricks and green oak complement the architecture of the buildings. There are **two impressive blocks of limestone** in the garden that have been shipped over from the Three Gorges reservoir region in China. One is named ‘The Screen’ and is formed out of limestone found in
Kuimen Gate on the Yangtze River, while the stone that forms the centrepiece of the garden is named ‘The Reading Gal’ and comes from Heavenly Pit in Chongqing, Ms Fu’s home city.

The plants and flowers

There are over one thousand plants in the newly planted shrub, rose and herbaceous borders, including several named after Sir Winston Churchill. Some of the plants originate from China, including *Magnolia stellata*, *Corylus maxima* and *Wisteria sinensis* ‘Alba’, the white-form Chinese wisteria that is already starting to twist around the columns of the oak pergolas. The colour palette is subtle, with gentle combinations that vary from border to border and season to season. With an eye to colour, size and flowering time, John Moore has chosen plants that will maintain interest throughout the year. There are pink peonies, white agapanthus, yellow *Alchemilla mollis* (Lady’s Mantle), irises and pink and white roses for summer interest. Hellebores, helenium and asters provide spring and autumn colour, while evergreen box, *Miscanthus* grass and *Pittosporum* maintain the interest during the winter months and provide a perfect setting for spring bulbs.

The newly planted Xiaotian Fu Garden will take some years to establish fully, for the sharp edges to soften, the paving slabs to discolour, and the planting to settle into place. But already it provides a restful and peaceful place for contemplation and private study.

Paula Laycock
A Pleasant and Relaxed Visit to Churchill College
The Visit of the French Ambassador to Churchill

Professor Myriam Boussahba-Bravard, 2019 French Overseas Fellow, recounts the formal, albeit pleasant and relaxed, visit to Churchill College on 30 April 2019 of the French Ambassador, His Excellency M. Jean-Pierre Jouyet, who was welcomed by Professor Ken Siddle, Vice-Master, Professor Andrew Weber, then incoming Vice-Master and Anny King, a Churchill Fellow. The Ambassador was accompanied by Dr Jean Arlat, Scientific Counsellor at the Embassy and Dr Alice Béja, Higher Education and Research Attachée. We understand that the Ambassador very much enjoyed his visit.

M. Jean-Pierre Jouyet was appointed French Ambassador to Britain on 6 July 2018; his official biography shows an impressive list of appointments in the High Civil Service and French and European political cabinets. To name a few, he was at the European Commission (1991–95) in the cabinet of M. Jacques Delors, later the Secretary of State for European affairs (2007–08) and recently the Secretary-General of the Presidency of the Republic (2014–17). Ambassador Jouyet, a keen history reader, started his visit with the Churchill Archives Centre.

Allen Packwood, Director of the Archives Centre, welcomed the Embassy delegation in the reading room. Allen shook hand, appropriating for the occasion the bronze cast hand of Winston Churchill to the great pleasure of the Ambassador. The archive items on show emphasised the connections with France, but also insisted on the variety of the collections. Professor Myriam Boussahba-Bravard introduced the Ambassador to the diaries of William Bull (1863–1931). Bull started his first diary aged 13 on one rainy Sunday because he was bored and kept it for 55 years. After several terms as a Conservative Local Councillor, Bull was continuously elected to the House of Commons where he sat from 1900 to 1928 as...
a Conservative backbencher for Hammersmith. In 1924, he earned the nickname of ‘Channel Tunnel enthusiast’ in marked contrast to the attitude of his party. Beyond ‘ordinary’ people’s archives, the Ambassador was presented with other history-making items about famous people, desperate situations and **Franco-British encounters.**

The Ambassador got a flavour of the Spears Papers (Churchill's personal representative to Prime Minister Reynaud, then head of the British mission to de Gaulle in WW2): a menu signed by Churchill and French generals on the Maginot Line in 1939; minutes of the 31 May 1940 meeting between Churchill and the French Supreme War Council; and an image of De Gaulle and Spears dining in London 1940–41. From the Churchill Papers, the Ambassador examined the notes for Churchill's broadcast to the people of France entitled ‘Dieu protège la France’, 1940, and the photographs of President de Gaulle pinning the Croix de la Libération on Churchill’s lapel in November 1958. From the Soames Papers, (Ambassador to France 1968–72), the Embassy delegation read the 1968 interview with Jean Monnet on Britain’s entry into the Common Market and a conversation between Soames and de Gaulle on the future of Europe initiating the Soames Affair (1969). The archives team had selected two photographs from the Thatcher Papers where Margaret Thatcher featured with three Presidents of the Republic: Giscard d’Estaing and Chirac (1975), and Mitterrand (1989). Allen led visitors behind the scenes where all could see the **impressively numerous Churchill’s volumes on Napoleon** (as he meant to write a biography but never did), iconic objects such as one Churchill’s cigar or Margaret Thatcher’s leather handbag: archive intern Erica d’Alessandro explained in French techniques about leather items.

The group joined the Master Professor Dame Athene Donald and Professor Alison Finch, Anny King and other French studies guests, Fran Malarée (Development Director), as well as Professor Benatouil and Dr Peter (2019 French Fellows) in the Cockcroft Room where everybody enjoyed great food prepared and served by Churchill College staff.

**Myriam Boussahba-Bravard**
An inspirational Teacher, a Mover & Shaker, a Kind & Decent Man
Tim at 80 – A sense of Fun

Amongst the many people who attended Tim’s 80th birthday celebration were Sir Ian McKellen, Professor John Kerrigan, Anne Morrison and Becky Cribb (Tim’s daughter). All those who spoke paid homage to Tim’s intellect, his novel way of reading Shakespeare, his inspirational teaching qualities, his enormous publication list, his human qualities and, above all, his sense of fun. Here, Professor David Newbery, President of the SCR and a Churchill Fellow, gives us a brief biography of Tim Cribb and his remarkable professional achievements as a Fellow in English at Churchill College. This is followed by tributes from Professor John Kerrigan and Anne Morrison. The piece fittingly closes with a villanelle specially written for Tim by John Kinsella, a poet and a Churchill Fellow.

Tim was born in Croydon on 22 April 1939, raised on a farm in rural Lincolnshire, and came to Cambridge on a scholarship to Queens’ College. On graduation he set off to the USA to find out where all the changes in our culture were coming from. He enrolled as a postgrad at the University of Minnesota, teaching Freshman English, although he claims that he was really a tourist.

Before Cambridge
Unimpressed with postgraduate education in America, he went for a year in France to figure out what to do next. At Cambridge, his passion for Dickens was not shared by his undergraduate Director of Studies, so going back to Cambridge looked unattractive. Tim applied to the leading Dickens scholar,
Kathleen Tillotson, to do research, but she replied that men were not admitted to Bedford College, so Tim applied to and was accepted by the new and first Oxford postgraduate college, Linacre. By now it was too late to apply for a grant, so he spent the next year teaching at a school in Bermondsey, which he says was an eye-opening experience of the enormous amount of human wastage in our school system.

After two years at Linacre, the Principal told him to apply for a post at the University of Glasgow, where he discovered Scottish literature and his future friend, the firebrand Hugh MacDiarmaid. That was also where he found his wife. However, the Glasgow approach to teaching was Oxford-style historical rather than Cambridge critical, hence the return to Cambridge, where Churchill College appointed him a Fellow in English in 1960, half a lifetime ago. He arrived in 1970, and has been ever since apart from visits as a lecturer at the universities of Ife and Kwara State in Nigeria.

Tim at Cambridge

Tim has been an undergraduate tutor from 1994–2001 and tutor for advanced students from 2001–06, when he retired in 2006 to become a Title D fellow.

I will leave to others to tell of his strong interest in what used to be called Commonwealth literature, which he persuaded the Faculty to offer as the Part II option Postcolonial and Related Literatures.

Within the College we fondly remember Tim’s role in our own dramatic society, the GODs, and some memorable performances he conjured from our undergrads in the Wolfson Hall (when it was still configured as a theatre. I remember Mother Courage in particular). He describes his earlier acting at the Minack Cliff Theatre in Cornwall as ‘athletic’.

Tim has done his part to make sure that the College’s Overseas Fellows are as well-represented in the Arts as in the Sciences. After Ray Abrahams arranged for Wole Soyinka to be elected an Overseas Fellow in 1973–74, Tim did much to integrate him into the College. He helped Professor Akin Euba (an Overseas Fellow in 1999–2000) to set up the Centre
for Intercultural Musicology at Churchill College that promotes symposia and international concerts in the College and elsewhere, now directed by another Overseas Fellow, Professor Valerie Ross. Most recently he invited Biyi Bandele, director of the film about the Biafran War, *Half of a Yellow Sun* recently screened here. Biyi has returned to Churchill to work on a film he will direct based on Soyinka’s prison journal, *The Man Died* – so completing the Nigerian circle.

David Newbery

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**A Phenomenon far more Global than Fenland**

Professor John Kerrigan (Faculty of English) gives a heartfelt tribute to Tim’s contribution to the English Faculty, his eclectic scholarly work, his can-do attitude, his creativity and inclusivity. He also includes testimonies from Tim’s former colleagues – Professor Adrian Poole from Trinity College and Dr Priya Gopal from Churchill College – and Ato Quayson who was Tim’s first PhD student.

I’ve been asked to speak about Tim’s contribution to the English Faculty. That is quite a task, not just because he’s done so much but because it requires me to stretch my memory back over nearly four decades, to our first evening together in 1982, when he welcomed me to Cambridge with his marvellous, now late wife, Alison, and beyond that, to get into the mists of history, given that he came to Churchill from a post in Glasgow as long ago as 1970. The full story would take me through his many roles, from College Teaching Fellow and Lecturer in the Faculty, to fixture of the Judith E. Wilson Committee (which supports poetry and drama in Cambridge), *can-do mover and shaker* who helped English get a new building, and, most importantly, founder of what was, for Cambridge, and almost for the UK, a whole new, developing field of study, then known as Commonwealth and International Literature in English. At which point it becomes clear that we’re looking at a phenomenon far more global than fenland, a restlessly distinguished and creative figure who has held academic posts orbiting around his Cambridge career in Tunis and Nigeria, and whose PhD students now dot the planet.
Ahead of talking to you today, I consulted a number of Tim’s former colleagues and students. All were incredibly positive, grateful and appreciative, and a number of them wanted to emphasise that Tim brought them something that you might not associate with Cambridge English, namely a sense of fun! Here is Adrian Poole of Trinity, who has known Tim since the mid-1970s.

‘My most vivid [early] recollections are bound up with [Tim’s] production of Henry IV, Part I, in Michaelmas 1978. It was very Churchill-based with lots of Tim’s students including a then lithe and youthful Steve Watts as Hotspur. Legend has it that at least five members of the cast went on to academic chairs: Hugh Mellor, the philosopher, myself [playing Worcester], Diarmaid MacCulloch, Alan Riach (Scottish Literature, Glasgow), a Trinity mathmo, Charles Read (Leeds), who was perfectly cast as Bardolph for looks but sadly couldn’t act, and David Richards (Stirling), behind the scenes. Tim wanted the Percies to be real Northumbrians so we cultivated Geordie accents and wore bits of fur to make us look wild and ‘mohican’. Our greatest hit was with a school-audience in Wanstead on a stage each other prematurely. Tim made one of my own Trinity students at the time slit my throat on stage at the end, which everyone enjoyed more than me. It was all enormous fun: one of Tim’s guiding principles, over the years, surely.’

Reading Shakespeare by making theatre

For Tim, back then, Shakespeare was a big preoccupation, and he continues to be so. Last week, I read his earliest publications, in the hope of finding something ill-considered for us to laugh at. On the contrary, I found impressive, scholarly work across several fronts: Yeats, Hugh MacDiarmid, and an essay on Romeo and Juliet that has striking things to say about neo-platonism. Tim tells me that he’s still working on a book called Shakespeare and Idealism, which had its first outing in this article. As a member of the Faculty REF committee, I ought to tell him to finish it. Looking at how spry he is at eighty, I’d say he has plenty of time. I’m put in mind of a sentence I found in his essay on Yeats: ‘Oisin is ... the man who rode away to Tir-na-nOg, the land of eternal youth’.

My own contact with Tim has mostly been around Shakespeare and drama, and my experience chimes with the notes sent me by our former colleague, Peter Holland, now a Professor at Notre Dame and Chair of the International Shakespeare Association: ‘Always a thoughtful presence on the Judith E. Wilson committee, wise and highly informed. One of the people who, long ago, realised that the study of drama was richly enhanced by Cambridge students’ engagement with making theatre, not just reading it, that the
link between, say, the scholarship of Muriel Bradbrook and the activities at the ADC was strong and something we should value.’ Until the generation of Tim and, later, Peter Holland came along, critical thinking about Shakespeare was done at one remove from performance. Tim’s early production of *Henry IV* did not just include future academics, it provides a sort of emblem of the work pioneered by Bradbrook and carried forward by Tim and others – it’s there in his *Romeo and Juliet* essay – of bringing the performance of Shakespeare into heavyweight, academic discussion.

**Tim and the two cultures**

Tim’s publication list is an archipelago of expertise and commitment, from Brecht to *Dallas*, Dickens to Wilson Harris. He has published poetry and written about ‘Literary Modernism and the Folk Play’. *Curiosity keeps him going*, supported by a College celebrated for its work in the sciences. ‘The two cultures were constantly being fused by Tim in Churchill’, the poet John Kinsella wrote to me, ‘enlivening “both” ... he was inclusive and sharing and brought people together and still does! Literature for Tim is alive! alive in the here and now.’

**Tim and Postcolonial Studies at Cambridge**

Tim’s most enduring contribution lies in opening up Cambridge English to the internationally Anglophone and postcolonial. The Faculty now includes two of the world’s leading scholars of postcolonial literature, Priya Gopal of Churchill, and Chris Warnes at my own College, St John’s. Priya, who is here today, has given me this overview, which Chris enthusiastically endorses.

‘Tim’, she writes, ‘is one of the founding figures in the thriving field that is Postcolonial Studies at Cambridge ... He worked hard to internationalise the curriculum in the English Faculty through the establishment of an optional Part II paper, which remains one of the more popular finalist options to this day. Beyond the graft and persuasion that he put into establishing it in the late nineties, Tim also supervised a generation of students who found their way to eminence and positions in universities across South and South-East Asia, Africa, Ireland, Australia, New Zealand and the United States. Those of us who now teach and work in the field at Cambridge remain hugely grateful not just for his intellectual verve, literary cosmopolitanism and ecumenical approach, but also for his deep personal kindness and generosity in supporting both a great number of scholars and the discipline as a whole. Tim’s 80th is a landmark in itself for postcolonial studies at Cambridge.’
Tim’s rigour and affability

I want to end with another illuminating comment, from one of those students now scattered across the world. Ato Quayson was Tim’s first PhD student, and he is currently on the move between chairs in Toronto, NYU and Stanford. A leading figure in the field, he remembers Tim with gratitude for his rigour and affability:

‘At my first supervision with him when I arrived from Ghana in 1991, he seemed quite jovial, but at the end of the session delivered what turned out to be the single most important instruction of my entire career. He said I should go off and choose any topic on African literature of my choice and write a 5000-word piece on it to be handed in in exactly two weeks’ time. But not just that. He said he expected me to hand in 5000-word pieces to him every fortnight on any subject of my choosing and that they should without fail be Word-processed and with the full citational accompaniments of a publishable essay. The habit was fully ingrained in me by the time we were done.

Tim is also one of the most meticulous readers I have ever met. And he hated it when I tried to draft in some literary theory that he thought was just for show. On one occasion we had a six-hour long supervision in which I had to justify why I wanted to refer to Foucault’s *Archaeology of Knowledge* for some part of my dissertation. This was all done with a steady draft of wines and whiskeys. But what I got from this and other sessions like it was the necessity of integrating a sceptical interlocutor into the body of one’s own thought.

In my culture, Tim would be referred to by all and sundry as ‘Uncle Tim’ but for me, this would be more literal than metaphorical. As the Arabs put it: ‘A friend abroad is more important than a brother you have left at home.’

So please tell Uncle Tim that I wish him all the very best on his 80th and that I miss him very much even after all these years.’

Those of us still in Cambridge can warmly echo Ato’s affection while having the additional pleasure of regularly seeing Tim – indefatigable as ever – at theatre productions, poetry readings and (in my case) the Cambridge Group for Irish Studies. Long may it all go on!

John Kerrigan
Transforming Lives for the Better

Anne Morrison (founder director of the BBC Academy and former Chair of BAFTA) was a former student of Tim’s. Here she gives a glowing appreciation of Tim as a DoS and as a friend. She writes that Tim was ‘my inspirational Director of Studies who went on to become my lifelong friend’. She continues by saying that there are so many things she could say in praise of him but that she is ‘going to focus on his teaching in particular’.

Tim not only transformed my life by taking me into Churchill College, but then by the way he taught me. At school the assumption was that the teachers knew it all and the children were empty vessels waiting to be filled up with information. I was very bored.

A voyage of discovery

In my one-to-one supervisions with Tim, I was astonished to find we were going on a voyage of discovery together. Despite his knowing an infinite amount about the writer or period, and me almost nothing, he would hold you in respect, parity even, and assume that your views were worth listening to, potentially even exciting. I remember when we got to the end of one session, he said, to my astonishment – ‘Oooh, I really learnt something there!’

No matter how much fun we had, he was always intellectually rigorous. His style challenged and pushed me to pursue thoughts to their end, knock down hypotheses and stretched me as far as I could go.

Later, when I trained to become an executive coach, I recognised some of these techniques and now do my best to replicate them in my work.

Forthright and trenchant opinions

Despite his open-minded approach, Tim has forthright and trenchant opinions of his own. I remember when we read Wordsworth’s ‘The Prelude’ in our Practical Criticism class, he snorted in disgust and said, ‘Huh! The Prelude – the prelude to what? 40 years of bad poetry!’ But I know that if I had decided to put up a stout defence of Wordsworth’s later work, he would have been really interested, if challenging, and worked with me to give full, robust shape to ideas and opinions he profoundly didn’t agree with.
An incredible privilege

What an incredible privilege to have had him as a teacher! It led me to a lifetime of intellectual curiosity. I’ve often said he’s made my life more interesting. And the great thing is, I’ve never lost him. He still advises me on what to read and our conversations still have the excitement of our supervisions.

Another great friend of mine, Sally Nelson (née Yeomans) was also a pupil of Tim’s in the year below mine. I asked her what she would want to say to Tim on this occasion and she replied:

‘He is the man who changed my life immeasurably for the better. He gave me a crack at a life that I was definitely not born into and could never have envisaged, let alone expected. That he has always treated me with the utmost kindness, patience and an entirely unwarranted egalitarian attitude. That learning with him remains one of the most exciting and stimulating experiences of my long life.

I didn't have great masculine role models growing up but he showed me a different kind of masculinity. One that could be immensely strong, positive and energetic without domineering or controlling or posturing. He is simply one of the most intelligent, kind and decent human beings whom it has been my incredible luck to know.’

Hear, hear to that! So, happy birthday, Tim. It’s a joy to see as much spring in your step as ever. Thank you on behalf of the many, many students whose lives you have transformed for the better.

Anne Morrison
Villanelle for Tim Cribb on His 80th
By John Kinsella

John Kinsella, Australian poet and Extraordinary Fellow at Churchill, composed this villanelle as a tribute to Tim that Ian McKellen was invited to read.

The fens are a place of work but also theatre, and where we follow the Cam to Grantchester pause while brimstone butterflies gather.

Even over the decades we have known each other, the cow parsley has changed its speech, its manner, the fens are a place of work but also theatre.

And seasons undoing seasons are the director’s challenge but one through which each of us is an actor, and we all pause while brimstone butterflies gather.

It’s March and insect-time as the calendar gathers on itself to keep things in kilter, the fens are a place of work but also theatre.

For you, Tim, the theatre is a fen tiger that is a mask behind a mask and it’s May and a darter needs an understudy as brimstone butterflies can’t gather.

When strife and revelry stretch ‘night’ to ‘aurora’ we throw aside conventions and shout ‘Honour’! The fens are a place of work but also theatre, so pause while brimstone butterflies gather.
Churchill College – A Career Landmark
The 4th Annual Meeting of the French Fellows at Churchill College

Dr Eric Parent (French Fellow 2013) and Professor Jean-Christophe Thalabard (French Fellow 2013–14) give us an account of the fourth meeting of Churchill College’s French Government Fellows that took place on Friday, the 19th of July. This programme, set up by Sir John Colville in 1976 and continuously pursued since that time between the French Embassy and Churchill College, allows for stays in Churchill College of French academics for periods generally ranging from six months to one year. Up to now, sixty laureates have been hosted by the College. Four years ago, the past French Fellows formed an informal association which now meets annually at the College which – for most of them – remains a career landmark.

Opening remarks
Anny King, Churchill Fellow, warmly welcomed all the participants to this fourth annual meeting – which has now become a tradition. She particularly welcomed Robert Bousquet, a French retired oil engineer, who expressed a particular interest in the French Fellows’ Day. This was followed by a quick roundtable presentation of the participants. Then Frédéric Thibault-Starzyk (French Fellow 2011) and Yannick Champion (French Fellow 1999 and 2000) thanked the three current Fellows at Churchill who helped organise the event. They expressed their pleasure at seeing so many participants attending the meeting this year. Frédéric also underlined that the annual meeting is now reaching a turning point, and emphasised the fact that the French Fellows – as a distinct group – are becoming an important part of Churchill’s alumni and now have a presence on the College’s website (see ChurchillConnect.com).

Morning session
Anny, moderating the morning session, gave the floor to Jean Arlat, Scientific Counsellor and head of the Higher Education, Research and Innovation Service (ESRI) at the French Embassy in London. Jean gave an overview of the current activities of the ESRI, with an emphasis on the past and current status of the French Fellowship Programme. Jean made a particular point about both the gender ratio imbalance – and its evolution over the decades – and also the imbalance between Humanities and Social Sciences on the one hand and
STEM disciplines on the other. He expressed his concerns about potential budget restrictions in the near future, which would make it necessary to raise funds to complement the financial support from the Embassy and the College.

Ken Siddle, former Vice Master, enthusiastically sketched out the founding principles of the Fellowship whereby meeting every day for lunch and entering into informal and open discussions with people from all disciplines and all ages remain its basic component. He recalled the story of the informal contribution of France to the establishment of the College and then introduced Andrew Webber, who has taken over as Vice-Master on his retirement.

The morning’s scientific programme started with Emeritus Professor Archie Howie’s talk on Electronic Imaging for High Resolution & Electron Microscope. The presentation elegantly illustrated how the very first French Fellows got involved in this discipline and contributed to its development in the context of the Cavendish and how this was pivotal in convincing Churchill College to encourage the programme.

In a brief presentation before lunch break, David Holcman (French Fellow 2017) presented the current status of a project launched in 2018 which aims to establish a College in Paris able to extend the spirit of Churchill College in France, inviting all the former and current fellows to join his efforts if interested.
Afternoon session

In the first part of the afternoon session, all French Fellows presently at Churchill, gave a talk about the research they conducted while at Churchill. They were introduced by Alison Finch, Honorary Professor Emerita in French Literature.

• Thomas Bénatouil, professor of ancient philosophy at the Université de Lille, in his talk about The Academy from Plato to Cicero covering his recent work in the history of Ancient Philosophy, suggested that the Academy created by Plato promoted the idea of freedom of research, i.e. a frame of mind for an open-ended, non-dogmatic approach to philosophy, which was further developed by his successors and somehow anticipated the principles on which the College is based.

• Myriam Boussahba-Bravard, Université Paris-Diderot, gave a very inspiring and vivid talk entitled Writing and rewriting his diaries: William J. Bull in the Churchill Archives Centre. She mentioned that she had been delighted to find such important material given to the Churchill Archives Centre. She pointed out the salient historical and sociological perspectives that can be learned from this politician who was a contemporary of Churchill’s and who continued writing diaries throughout his life. Her talk brought up many interesting topics including woman’s rights, minorities, the channel tunnel, nutrition and family life at the turn of the 20th century.

• Patrick Peter, CNRS, Institut d’Astrophysique de Paris, in his talk entitled Cosmological effects of superconducting currents on cosmic strings, elegantly and beautifully brought to life with computer simulations the whole Universe. He emphasised the role of tiny imperfections relative to the background waves of the Universe.

Paola Arimondo, Institut Pasteur, moderated the second part of the afternoon and introduced the scientific talks delivered by former French Fellows.

• Marie-Pierre Gaigeot (French Fellow 2008), Université d’Evry Val d’Essonne, Université Paris-Saclay in her talk Modelling solid-liquid interfaces explained how to retrieve global material hydrophilic and/or hydrophobic properties based on complex numerical simulations of individual molecular
behaviour with interactions. She neatly showed how the controlled addition of electrolytes could turn on or off the behaviour of water at the interface with solids, with potential applications in many domains ranging from climate to life sciences.

- **Pierre Vanhove**, Institute for Theoretical Physics, Gif-sur-Yvette (French Fellow 2015) cast some light on the *Mysterious Black Holes*, showing how Hawking’s work on black holes pushed our understanding of Einstein’s theory of gravity and quantum mechanics to its limits. His very elegant and well-illustrated presentation used well selected quotes from Pascal Quignard (extasis and entasis) and Simone Weil (light and gravity) to help us apprehend current theoretical and observational efforts to understand the complexity and the beauty of our observable Universe in its apparent incommensurability.

All the presentations generated numerous questions and friendly discussions from the attending Fellows whatever their academic disciplines, in line with the spirit of the College. They also exemplified the Fellows’ wide range of disciplines: Mathematics, Physics, Chemistry, Biology, History, Astronomy, Engineering, Social Sciences, Philosophy... With 9 women out of 60 laureates, the unbalanced gender ratio remains a reminder of a past issue that calls for change.

**To conclude**

Last but not least, Churchill College’s commitment also stems from the indefatigable, generous and long-time support provided by Ken Siddle, Anny King, Paula Laycock and many others, as emphasised by Andrew Webber and fully supported by the audience. The next meeting has been scheduled for Friday 10 July 2020. We hope that many of you will come back or join us next year!

Eric Parent  
Jean-Christophe Thalabard
STUDENT LIFE
‘And I believe that the best learning process of any kind of craft is just to look at the work of others.’

Wole Soyinka
Ali Bayliss, a third-year student in Economics, is the JCR President. Here he reports on the JCR’s successes – for example Spring Ball, and achievements – for example a reform of the structure of the rental bands.

As I write this, exams are looming. My finals are in a month’s time; some have exams even later, some sooner, and some even have exams ongoing. Despite this, I can’t help but notice as I walk through College how pleasant the atmosphere remains. There are still plenty of smiling faces, excited conversations, and fortunately enough fresh air and sunshine to keep everyone in a good mood. With the prospect of leaving just around the corner for me, it makes me realise what a great place Churchill has been to live and study. I have been lucky to head a student body that is positive and co-operative, at a College where there are few things any student could be left wanting. So, as I look back over the last 12 months in the JCR it is very much a story of the continuation past successes, energised by new faces and new ideas.

No complaints, just positive changes

Fortunately for me, this year hasn’t been fraught with drama. That really is testament to how lucky we are with what we have here already. Churchill has always, very rightly, placed a great weight of importance on its students and thus there are very few things that people tend to complain about. Most of the ideas that I have discussed with the two committees I have worked with have been for new, positive changes we could bring in, as opposed to addressing complaints or needing to rectify things that are missing. Among this year’s achievements have been a reform of the structure of rental bands, an impeding (and much needed) update of the constitution and hopefully completion of an overhaul of the process of funding for societies. In what can
be quite a thankless job, I would like to commend the efforts of the JCR Committee and the time they give up. In particular, the other executive officers; Kieran Heal (Vice-President and 2017–18 Treasurer) and Wassim Bashir (2018–19 Treasurer), have worked incredibly hard, despite (unusually) also being third years themselves.

Another great success

Although I can’t take any credit for it, having only been elected President in November, Freshers’ Week was another great success, and the new group of students were able to hit the ground running straight away. Having not been involved myself, I owe particular thanks to the outgoing Welfare and Ents Officers for their diligence and organisation. The JCR is a very tight-knit community so even third year students have been able to get to know the Freshers very quickly, which makes it a much easier place to settle in. Many of the Freshers have shown impressive enthusiasm for running events both in and out of the College, and I am lucky to have a good number of them involved on the JCR Committee for the coming year.

A hugely enjoyable evening

The previous Committee signed off with the traditional Christmas Superformal, which is now establishing itself firmly among the highlights of the year for Churchill students. The whole Committee pitched in to make the event a success, but a special thanks must go to the Ents Officer, Stephen Hughes, for impressive dedication of time and energy to create what everyone agreed was a hugely enjoyable evening, complete with a band and a silent disco. I am sure that the new committee will be equally enthusiastic, and so I’m confident that the end of year Garden Party will also be a fantastic occasion, and fitting celebration of the year’s achievements.

It is an honour to have been President this year, and I hope the successes continue. Of course, none would be possible without the generous support of the College and various alumni, and especially the personal dedication and support of Richard Partington (Senior Tutor), Shelley Surtees (Domestic Bursar) and Tamsin James (Bursar), to whom we owe tremendous thanks.

Alastair Bayliss
A Fantastic Community

Jannat Ijaz, a 2nd year PhD student at the Wellcome Sanger Institute studying cancer genetics, is the MCR President. Here she reports on the many events organised by the MCR for the postgraduate community.

The College system is in place in only a handful of universities. Despite this, it undeniably shapes the student experience at Cambridge University and this is not lost at the postgraduate level. The MCR allows you to meet a wide range of people, many of whom remain lifelong friends.

Making people feel welcome

Part of what make the MCR such a fantastic community are the events that the MCR Committee work so hard to organise. The month-long set of activities which come under the umbrella of Freshers’ week, are vital in making people feel welcome in a new place, often miles away from home. Freshers’ week is always excellent, and this year has been no exception. Highlights included the impressive numbers of pizzas that were eaten; the classic Cambridge experience of punting; hostel crawl and countless more, too numerous to list all. Matriculation itself was a unique experience to many new students, officially marking their entry into Churchill College.

A host of activities

Formal Halls are another integral part of the College experience. Aside from regular formals which run every Tuesday, Thursday and Friday, we have had some truly fantastic formals this year. We celebrated Robert Burns with traditional haggis and a chaotic Celiedh, something many students had never done before but managed to pick up quickly enough. The SCR-MCR dinners as part of the SCR mentoring scheme help foster MCR-SCR relationships. And of course, we can’t forget MCR guest night where, after weeks of work from the internal social secretaries and the Vicious Penguin Bar team, College was transformed into a crime scene in Michaelmas and a 1920s ball in Lent. In both instances, there were a whole host of activities, including a formal hall,
bands, bars, karaoke, Churchill’s very own Chu Casino and the ever-popular silent disco.

**Academic life**

The role of the MCR in academic life isn’t quite the same as the JCR, nonetheless it still provides a place where thoughts and ideas can be debated, discussed and developed. This is evident from the popular ChuTalk series which provides students with an opportunity to share their research with the wider Churchill MCR community and then discuss this over wine and cheese and other non-alcoholic refreshments. The Conference on Everything (see p.137), which is completely organised by the academic officers, provides students with more opportunities to present their work. Work is showcased to the wider MCR community as well as the Fellows who are always interested to find out what students are working on.

The MCR community would not be the same without the committees that are constantly working to make it an inclusive, welcoming place. This year we have continued to run many of the events that the MCR always run, such as welfare teas and pizza nights and free yoga classes, but have also started open mic nights and are committed to running monthly quiz nights.

To me, the MCR has undoubtedly changed my experience at Cambridge University. It can mean as much or as little as you want it to – but I thoroughly encourage students to get involved, my Cambridge experience would not be the same without it.

Jannat Ijaz
Best Results Ever

Akshay Shah, a 4th year Chemical Engineering student, is the captain of the Churchill Men’s 1st Team Badminton. Here he reports on the many achievements of the Churchill Women’s Badminton Team, the Men’s 2nd team and the Men’s 1st team.

Over the past few years, there has been remarkable growth in the number of people interested in playing badminton at Churchill. This has been clearly reflected by the consistent improvement of all three teams representing the College: Women’s, Men’s 2nd and Men’s 1st. This year’s results for the society are likely to be the best we’ve ever had, certainly the best in the last 5 years.

Having been established only in the last 2017–18 academic year, the Churchill Women’s Badminton Team has seen a number of enthusiastic players join their ranks. Over the past two years, the team has made its way up from Division 3 to Division 1 in their league. This year, under the captaincy of Megan Bache and Jenny Yang, the team topped the league in Division 1 and made it all the way to the semi-finals of Women’s Cuppers (the inter-collegiate cup competition).
The Men’s 2nd team has also seen regular promotions over the past few years. This year, under the captaincy of David Orrell, the team topped Division 4 (of 8) and is due to be promoted to Division 3 next academic year, a record high division for the team. Churchill College is proud to be one of only 3 Colleges to have 2 badminton teams in the top 3 divisions of the league draws. Moving on to the Men’s 1st team, bolstered by a few top-quality players, the team managed to finish in the top half of division 1 in the league as well as retain the Open Cuppers trophy for the second year running in a closely contested final against Trinity College.

While we are, of course, extremely proud of all our achievements this year, we are even happier to see the number of people who continue to be enthusiastic about badminton. Every session has players ranging from beginners to well-practised ‘shuttlers’, and most importantly, every single person is simply there to enjoy the sport. In addition to the great work from all the Captains, this would not be possible without the Society’s President: Jun Zhan, who has done a fantastic job organising courts and handling the College’s finances. We look forward to welcoming a group of enthusiastic new players next year!

Akshay Shah

Churchill Open Cuppers Badminton Team
A Fantastic Season

Tony Anele, a third-year medical student, is the Churchill FC 1st team Captain. Here he recounts the fantastic season Churchill FC had.

Churchill FC’s start was a stubbed toe on the first rung of our 2018–19 seasonal journey. With our new 1st year recruits, we lined up for battle against Downing. Even with our ‘class-A tactic’ of rotating our front three, our regiment conceded two goal-bearing shots from the enemy.

A relentless bunch
Despite this groggy start, us Churchillians are a relentless bunch. We came out fiery against our next fixture, Queens’, grappling a 2–1 victory. We carried this intense momentum forward against Trinity Hall in our first cup game. Despite the looming threat of headers and set-pieces from this team of giants, we were able to put four goals past the opposition side. With a 4–3 victory secured, our journey through the season seemed to really be taking off.

Facing old foe
Next, we faced our old Hill College foes, Fitzwilliam. First in league. Then in cup. We lost 3–0 against a very strong side. But we weren’t finished yet. We
were ready for round two, with our **new and improved tactics**. Amazingly, we were burning once again, emerging due to our yearning with a 3–0 lead. Special mention goes to Jack Dai’s wonder goal from the half-way line. Their keeper sulked in disbelief, as the Churchill side went wild.

Unfortunately, tides do indeed turn. After conceding a 70-minute goal, we lost our composure. By 120 minutes, the game was plucked from our grip – 8–4 it ended. Out of the cup, we now focused our attention on the league. All was not lost. We were to eventually pick ourselves up, and reassert our hard ‘grind’ to get back in shape – both physically, and mentally.

**A show of skill and determination**

The next couple of games seemed to go by like a breeze. We faced Robinson, Girton, Sidney Sussex and Jesus, winning three out of four of these games. Our team spirits were high now, as we went out against the unbeaten Caius side. Through a truly magnificent show of skill and determination, we brought the keys to Caius, by securing a 2–0 victory. This put us in poll position to secure 2nd place in the league. But we had one more opposition to ice. Trinity, another 2nd place contender.

Blustering howls of wind blew across the home turf that day, as if the Big Bad Wolf himself was peering behind the thickened clouds above. We truly battled on that green. We fought, blood, sweat and tears. But alas, the Trinity side were able to acquire one goal-producing penalty, and another goal soon after. Despite our ambitious efforts after conceding, the game was finally lost 2–0.

Regardless of this final result, **Churchill FC had a fantastic season**. Manager’s player and top scorer Ed Wicken bagged half of all our goals, with some truly spectacular finishes. Player’s player Marcus McCabe was an absolute beast on the flanks. Each and every player on the side put in incredibly praiseworthy shifts on the green throughout the season. James Burdock now currently carries the captaincy armband. A natural leader, I have high hopes he will direct our strong Churchill FC side forward to meet the new challenges ahead.

*Tony Anele*
A Very Strong First Season Back

Emma Jing, a 2nd year History and Politics student, is the captain of the Churchill Mixed Lacrosse Team. Emma tells us about the prowess of the Churchill Mixed Lacrosse team and how they finished second with a newly formed team.

Churchill used to have a Mixed Lacrosse club back in the day, but by the time I arrived as a Fresher, it had been out of action for a while. This year we’ve brought it back, and it has been wonderful to see how much enthusiasm there has been for the sport, despite many of our players never having heard of it before uni!

A newly formed team
Mixed Lacrosse is a fantastic way to try something entirely new, meet people from different year groups across College, and get involved in sport at a very relaxed level. Most of our players are complete beginners, having come to a drop-in taster session at the start of the year, and I have been amazed by how quickly the team has improved over the course of the past two terms. As a newly formed team, we were initially placed in the lowest division for Michaelmas, and given our inexperience, we went into the season with nothing more than cautious optimism. However, in our first term as a College team, we won the league and were promoted to the second division! These successes continued in Lent, with a particularly memorable moment being our victory over Girton (2–1), when we won with just six players to their ten.

Cuppers – a highlight
Cuppers was a highlight of term. We began with a group stage – luckily, we were in a group where we’d beaten all but two of the teams in league matches, so we started off confidently. After some tough matches in the first stage we managed to get through to the semi-finals as runner-up of our group. In this we faced Homerton (well known for their lacrosse ability) – it was a tough match but we managed to snatch the win, meaning we went on to face Magdalene in the final. After a close match, we sadly did not come away with the victory but we were all very proud to walk away with second place!
With a league promotion and second place in Cuppers, Churchill Lacrosse has had a very strong first season back, and we’re all looking forward to continuing on our successes next year.

Emma Jing
An Amazing Year

Katy Heywood, a second-year medical student, is the Churchill Netball Team Captain. Here she reports on the many great wins of the Churchill netball team.

This has been an amazing year for Churchill netball, living up to the high expectations of last year’s Cuppers win. With lots of interest in netball, the team has never been short of players. We even considered forming a women’s 2nd team, a very impressive feat for a College which has a lower ratio of female students than many other Colleges.

High-level players

The team currently has two university players and many other players of a similar standard. Despite being competitive when playing the netball teams are fun and relaxed, and this year our social sec (Chessie Broadhurst) organised a great social before the end of Michaelmas. The socials are a fun way to get to know other members of the team who you may otherwise not meet or have a chance to speak to. This year’s social was no different to the high standard that was set last year with games and a Christmas theme to end off a successful Michaelmas term for both the mixed and ladies’ teams.

Following on from last year’s success, both the ladies’ and mixed teams finished 1st in their respective leagues (both league 1) in Michaelmas term. The ladies’ team started off Lent term with a tough game against St John’s, but with some great support from the travelling fans we managed
to secure a great away win. From GK to GS the whole team worked well together this year even with the addition of the new 1st years in the mid-court, leaving John’s without a hope of victory and the final score was a well-deserved 16–9.

**Some great wins**

Since then there have been some great wins, particularly a 19–3 win against Murray Edwards’ first team, impressive considering the vast difference in the number of girls between Churchill and Murray Edwards. The support from Churchill fans throughout the term, particularly at Cuppers, was greatly appreciated as it is a big ask for them to give up their time in such a busy term. The ladies’ team are unbeaten in league 1 this academic year (Michaelmas and Lent terms) and came a close runner up to St John’s College in the final of Cuppers.

This is testament to the **great commitment** from all the girls this year, from 1st year to 4th year. Those leaving this year will be sorely missed from the team. However, we have high hopes that next year’s Freshers will be equally as keen for Churchill netball so that netball at Churchill can continue to improve.

Katy Heywood
History Makers

Stephen Hughes, a third year Geography student, is the captain of the Churchill Rugby Team. Here Stephen vividly recounts the successes of the team and concludes that it will ‘go down as the most successful rugby team this College has produced to date’.

Following such an inspiring season in 2017–18, I was clear to the squad from the outset that we were ‘on the cusp’ of achieving something special. Safe to say the boys didn’t disappoint one bit. We began the year away to Jesus in division 2 of the reformed College leagues system. On what was a hot October afternoon, our fast, physical and genuinely exciting brand of rugby was given free rein to flourish, romping home with a 38–7 victory. A hat trick from our dangerous winger Harry Lidgely was the highlight the week after as Trinity would also be put to the sword 50–14 in another display full of attacking flare. We were most certainly ‘on the cusp’ with a shot at becoming one of the few Churchill teams to be promoted to the first division. In the end it was a formality as our final opponents, Girton, had to concede.

Storming into Cambridge’s 1st division

In a performance full of big hits and length of the field attacks, we stormed into Cambridge’s first division with a 41–14 triumph over Caius. Confident of taking an even bigger scalp, we travelled to John’s but sadly the match was abandoned early on due to a serious injury to one of their players. To round off Michaelmas and the league it was our old rivals Downing at home. The lads emptied the tank but to no avail as Downing (this year’s cuppas winners) won out 31–12.

A resilient team

Luck wouldn’t be on our side for much of Lent term either with injuries, exams etc. meaning we failed to field a team for well over a month. Nevertheless, the character and resilience of this team shone through as we edged out Catz in the opening cuppas match. An agonising 25–19 quarter final defeat to Fitz meant we dropped into the Plate competition. Determined and ruthless, we secured our spot in the final by beating Emma 32–10.
A magnificent victory

Churchill students made the short trip to Grange road to support us in the final against Catz. After beating them in Lent, we knew they’d have a point to prove and we’d have to match them physically. Our solid scrum was indicative of a performance full of big hits and bodies being put on the line for the cause. Catz fought hard for the full 80 but a phenomenal try from our top try scorer this year, Oliver Vij was the highlight in a magnificent 31–12 victory. In my final game as Captain, I was proud as punch to tell the lads ‘the cusp’ had been passed. It’s a huge privilege to skipper what will undoubtedly go down as the most successful rugby team this College has produced to date. We’ve instilled pride into the jersey and as a group, built memories that will last with us for a lifetime. Next year we’ll be firmly back ‘on the cusp’ and to borrow a motto shared by the College and my rugby-mad hometown of Llanelli, Ymlaen – Forward!

Stephen Hughes

The Master amongst the 2018–2019 Churchill Rugby Team
Remarkable Feats
Churchill Tennis (2018–2019)

Kirsty Hunter, a second year HSPS student, is the Churchill Tennis Team Captain. Kirsty tells us about the remarkable feats accomplished by the team this season.

Churchill tennis team stepped up to the challenges of biting winds, brutal hail, perilously slippery courts and, occasionally, opponents, to achieve remarkable feats this season.

Promotion
After an underwhelming exit from Cuppers last summer, the start to league tennis went very well indeed. Kush Banga and Tom Burke, fighting against strong winds and the imminent threat of rain took on Emma Second’s first pair. Tom’s forehand sliced through the turbid air leaving his opponents’ returns easy prey for Kush’s ruthless volleying. Emma succumbed, placing Churchill in a strong position for the overall tie. Barney Medhurst and Dominic Atherton
exhibited a fluidity and elegance of levels previously unknown for the second pair to conclude the tie. This glorious accomplishment was followed up by five consecutive cancelled matches. It is important to note, however, that the cancelled matches were unequivocally Not Our Fault, and, wielding this fact more deftly than King Arthur with Excalibur, our valiant captain Kirsty Hunter gained us those invaluable points from the bureaucrats at CULTC. This unbeaten run enabled the team to achieve the impossible: promotion.

**Cuppers**

Next up: Cuppers, and this intrepid expedition to hitherto unknown heights for the Churchill tennis team, would require dedication and skill to an even greater degree than the league. With a new recruit in Alice Ertl, the team cruised through the first couple of rounds of Cuppers with their usual panache. Playing with a skill level not previously thought possible for mere mortal beings, the team made it to the quarter finals. Tom Burke and Nick Reyner, Kirsty Hunter and Matt Robinson, and Dominic Atherton and Barney Medhurst took on Emma 1st, 2nd and 3rd pair respectively. A comprehensive win by the Dom-Barney dynamic duo set the stage for a nail-biting quarter final. Tom and Nick displayed magnificent heart, passion and dedication but narrowly missed out to a strong Emma pair losing 2–1. Kirsty and Matt, both bravely standing in at late notice, fought to the bitter end coming within 2 points of that crucial final set. Sadly, it just wasn’t enough.

Thus, ended the historic rags to riches struggle that represents Churchill’s 2018–19 tennis season.

Kirsty Hunter
An Exceptional 2019 Event
The Conference on Everything

Chioma Achi, MCR Academic Officer, is a 2nd Year PhD Student researching Antimicrobial Resistance Salmonella isolates in the Holmes’ group, Department of Veterinary Medicine. Here she gives us a very vivid account of what happened at the annual MCR Conference on Everything.

The annual Conference on Everything offers a unique opportunity to Churchill postgraduates to present their research. It is exciting to see that the Conference gets better each year. This year’s was held on 28 April 2019 and was judged as exceptional. The keynote address with the title ‘A Farewell to Ice’ was carefully chosen to reflect the direct impact of global warming on the planet. The plenary talk was presented by Professor Peter Wadhams.

Plenary lecture

Peter Wadhams (U&G66, Past Fellow), Professor at Cambridge University, is the UK’s most experienced sea ice scientist and has led several research projects in the Arctic and Antarctica as well as coordinating several European Union projects. He discovered the thinning of the Arctic sea ice in 1990, mainly from his research work on submarines and is a pioneer in the use of autonomous underwater vehicles (AUVs) under sea ice. In his lecture, Professor Wadhams explained how global warming has resulted in the retreat and thinning of sea ice mainly through warmer air temperatures, with some contribution from the ocean. He proposed using direct air capture of CO₂ as the only real-time solution to the accelerated warming.

Oral presentations

The plenary lecture was followed by 13 oral presentations beginning with Jack Hughes’ talk on the relationship between online gaming and cybercrime then Siddharth Swaroop’s presentation on ‘continual learning’ and Michael Walker’s talk on his research, which seeks to develop and validate
a theory describing turbulent burning velocity using the turbulent kinetic energy spectrum (‘A spectral theory for turbulent burning velocity’). **Claire Malone** described how she uses data from the ATLAS experiment to search for one of the most theoretically viable extensions to the Standard Model of particle physics – Supersymmetry (SUSY) – in her talk: ‘Fixing the standard model: from the toy box to the chocolate shop’ and **Emma Glennon** took us on an adventure when she discussed how we can find missing Ebola cases. We also heard from **Kevin Chen** in ‘Killing me Softly with T cells: Engineering Immune Cells with Improved Tumor Specificity’.

The oral presentation session continued with **Tom O’Brien** giving a talk on his research aimed at developing a simple animal-free *in vitro* model that allows the culture of organisms in cystic fibrosis infections. **Sophie Wix** spoke on the use of mass cytometry to characterise the response of triple negative breast cancer patient-derived tumour xenografts. **Vikram Sundar** presented on the best strategy which could be used to accelerate drug discovery process in ‘Using machine learning to predict protein/ligand interactions without screening data’ while **Nabila Idris** gave an insight on how we can create sustainable change and improve the lives of those directly involved in the production of our clothes in her talk ‘The skeletons in our closets: The deadly politics of the garment industry’.

We also heard from **Michael Denham** who explored the role of Elizabeth Holmes, a former CEO of Theranos (a Silicon Valley start-up once valued at over $9 billion), as the embodiment of Theranos’ values, in ‘Bloodlust: A case study of Theranos and the embodiment of a brand’s values in a Chief Executive’. **Walther Traberg-Christensen** in his talk ‘Investigating exosomes as cancer therapeutics using bioelectronic technologies’ showed how the study of exosome fusion at the molecular level can enhance monitoring of phenotypic changes in healthy cells when they interact with Tumour cell-derived exosomes in real time and **Anantha Kumar** rounded up the oral presentations with a talk on ‘Mechanistic insights into eukaryotic mRNA 3’end processing’.

**Poster presentations**

The conference also witnessed an **exciting line up of poster presentations** from Yiqiao Chen, Kasparas Vasiliauskas, Ramit Debnath, Sacha Khoury, Tom O’Brien, Karen Duffy, Walther Traberg-Christensen, Kevin Chen, Anantha Kumar, Michael Walker and Tim Walsh.
We had a distinguished panel of judges led by Master of Churchill, Professor Dame Athene Donald: Dr Barry Kingston, Dr Eric Brewster, Megan McGregor, Dr Yuri Dumaresq Sobral and Jannat Ijaz. The presenters gave the judges a hard time arriving at one winner for the David Wallace prize. The competition was stiff, leading to the selection of two runners-up for the first time in many years.

The Sir David Wallace first prize for best presentation was awarded to Kevin Chen with Nabila Idris and Claire Malone as runners-up, while the Alex Mischenko prize for the best poster was awarded to Sacha Khoury.

**The Master, Dame Athene,** in her closing remarks expressed her delight in seeing the high standard of research undertaken across disciplines in Churchill. She also encouraged more participation and pledged her continual support for the Conference on Everything.

The MCR Academic officers Chioma Achi and Savvas Gkantonas are thankful to the MCR for the opportunity to organise the Conference, the team of judges and participants for making the event successful, as well as the volunteers Malavika Nair, Katrina Li, Rhiannon Wood and our indefatigable Rebecca Sawalmeh and Naomi Morris for their strong support towards the planning of the Conference on Everything.

Chioma Achi
‘I believe that nothing should be taboo – no theory or prejudice should close one’s mind to a discovery.’

Henry Moore
Churchill – Exceptional in the Civility and Commitment of its Academics

Reminiscences of Ken Siddle

Professor Ken Siddle retired as Vice Master on 1 July of this year. Here he describes how he came to be appointed a Fellow at Churchill College, why he put his name forward to become Vice Master and what his duties were. He pinpoints in particular two schemes that are dear to him: the 40-year French Government Fellowship and the more recent post-doctoral By-Fellowship.

I clearly remember the day, nearly 40 years ago, when I broke off an experiment in the lab to answer the phone, and a voice at the other end said ‘Hello, it’s Colin Campbell, Senior Tutor at Churchill College. I wondered if you’d be interested in doing some Biochemistry teaching for us?’ ‘Well, not really,’ I replied ‘I’m already doing as much supervising as I have time for.’ To which Colin came back immediately: ‘Supposing we made it worth your while?’ I had been in Cambridge more than long enough to know what he meant, and only a few days later I was being interviewed by Colin, Alan Findlay (and others I guess) for a teaching Fellowship at Churchill. I have to admit I had never previously set foot in the College, and I remembered it from my undergraduate days as a collection of huts in a rather swampy area on the edge of Cambridge. But I was immediately impressed by the people I met, warm, welcoming and firmly focused on the College’s teaching mission rather than vintage port. I could not have been more pleased when I was offered a Fellowship, and I have never doubted my good fortune that it was Churchill who contacted me that day and not any other College.

I greatly enjoyed almost 15 years of Biochemistry supervisions with Medics, Vets and NatScis, punctuated by a sabbatical year in the US. But by the mid-90s, having by then been promoted to Professor, I had lost some of my youthful enthusiasm for passing on knowledge of glycolysis and protein secondary
structures to aspirational neurosurgeons and I was also feeling under pressure to give more time to research and administration. So, I handed over my College teaching responsibilities to Sue Ozanne, and fell back on a few committee memberships as my contribution to College life. Masters and Vice-Masters came and went (I’d known 5 of the former and 7 of the latter) when the opportunity arose in 2012 to put my own name forward for Vice-Master after Alison Finch announced her retirement from the position. I was keen to do more in College as my research began to wind down with impending retirement from my University chair, and the timing was just right.

**My years as Vice-Master**

Since that time, I have had seven extremely interesting years, doing my best to support the good governance of the College. I quickly came to realise how much goes on behind the scenes, and that the Vice-Master is a much busier person than might appear from occasional utterances at Governing Body meetings. The particular remit of the Vice-Master as one of the College Officers, apart obviously from standing in for the Master when necessary (which is very seldom, such is the commitment of Churchill Masters), is to represent the interests of the Fellowship, and to participate especially in Fellowship-related committees. I don’t know if we are very astute in selecting our Fellows or in quickly moulding them to our ways, but we all seem to get along very well and it is pretty rare for any issue to arise that requires the Vice-Master publicly to leap into action. I have had several other senior roles in Cambridge and other universities and can honestly say that Churchill is exceptional in the civility and commitment of its academics, and in the absence of factions with their own agendas. In part that may be because we are busy getting on with our ‘day-jobs’, whether those be in teaching, research or administration, but I think it is also because everyone who comes to Churchill quickly picks up on, and falls in with, the purposeful, forward-looking, liberal and above all student-centred ethos we have inherited from our founding Fellows.

**Engaging with the University’s postdoctoral community**

Of course, there are always new frontiers, and in my case one of those was doing more to engage with the University’s postdoctoral community. There are now well over 3,000 ‘contract research staff’ on the University’s payroll, with an average tenure of around 3 years (although 25% have been in the University more than 5 years). Yet, in spite of their unquestioned importance
in the University’s research and teaching, few of them have a formal College affiliation. The Senior Tutor and I were determined that Churchill should do its bit to address that. We were pushing at an open door and had little difficulty in persuading College Council to accept proposals to offer ten postdoctoral By-Fellowships per year, with a tenure of 3 years, as an experiment. As I write, we are considering our 6th round of applications and I hope the experiment can be declared a success. We have already welcomed 50 PDBFs since the scheme started, who have enriched our society with their enthusiasm and contributed in no small way as mentors and supervisors.

French Government Programme

Another special interest has been the programme for French Government Fellows, which goes back more than 40 years. The French Government, through its embassy in London, generously provides funds that enable French academics to spend periods of 6 months to a year at Churchill while undertaking a collaborative project in a University Department. Lately the funds have been sufficient to support 3 or even 4 Fellows each year. In close liaison with the Science Counsellor at the Embassy (currently Dr Jean Arlat), and largely at the initiative of the Embassy, the scheme has been opened up in recent years to support early career as well as established academics, and to encourage applications in any discipline and not only sciences and engineering. Our visitors from across the channel, often accompanied by their families for whom Churchill becomes home for a short while, are invariably very engaging, and have now formed their own association that meets annually in the College.

And finally, …

All good things must come to an end, and on 1 July I will be hanging up (or, by the time anyone reads this, will have hung up) whatever it is that Vice-Masters have to hang up when they retire. It has genuinely been a lot of fun – I have enjoyed working with the Master(s), Bursar(s) and Senior Tutor, met many interesting people, and seen at close quarters all that goes into making the College tick so efficiently. I wish Andrew Webber all the very best as my successor and hope I have not left any skeletons for him to discover in my cupboard!

Ken Siddle
What did Churchill Teach me?
Reminiscences of David Secher

Dr David Secher (U67) reminisces about his ‘transformational’ Churchill experience, and his subsequent career, first as the first Churchillian to be elected a Fellow at Caius, then to Celltech in Slough, to Cancer Research Campaign (now Cancer Research UK), then back again at Cambridge as Head of Research Services and finally back at Caius as Bursar.

I was inspired by a recent account in this series by Andrew Hilton, a contemporary Churchillian and a friend from Cockermouth, where we both grew up, to set down some of my recollections of Churchill and my subsequent career. ‘Transforming’ is a much over-used word, but for many of us the education we received at Churchill really was transformational. I was the first in my family to go to university, and experienced both the fish-out-of-water syndrome and the tremendous support of other students and Fellows.

The Churchill experience

This started a year earlier, with the interview. Does anyone ever forget their College interview? In those days, interviews were post A-level, but the expectation was that we would stay on for a ‘tenth term’ in the sixth form to take the Cambridge entrance exams, followed by a nine-month holiday, before starting in October. My interview was conducted by Tony Callear and Dick Tizard. Towards the end of the interview Tizard asked me what I was going to do in the nine months before coming up. When I said that I was going to work in a chemistry laboratory in Germany, he said Churchill would offer me a place for the following October without further exams, if I could start my work experience immediately. Thus, I spent my ‘gap year’ in Germany, learning about chemistry, German and life.

I had known since the age of ten that I wanted to study chemistry at Cambridge (no idea where that idea came from), so I embarked on the Natural Sciences
(Physical) Tripos with gusto. I was taught by some brilliant teachers, but I struggled with the Chemistry – and with the Physics and Maths. As my fourth subject, I had chosen Biology of Cells, despite not even having done O-Level Biology. I was privileged to have as supervision partners Chris Marshall, who died tragically young as one of the UK’s leading cancer scientists, and Bob Old, who went on to be a professor in Warwick and to write one of the standard molecular biology text books. In my first term, I was inspired by a lecture given by Francis Crick to the Chemistry Society. I began to waiver in my determination to become a chemist and decided, helped no doubt by failing maths and getting a third overall in Part IA, to take Biochemistry in my second year, alongside Advanced Chemistry. A 2:2 at the end of the year ended my career as a chemist and I was lucky to be allowed to do Part II Biochemistry. I loved the subject and worked harder than in the previous two years. Research projects had just been introduced and I was lucky to choose my own project, based on a holiday job working on enzyme detergents, which resulted in my first publication in the scientific literature. Though I had enjoyed the Biochemistry, I had accepted the offer of a position in the Unilever graduate management training scheme, initially to work in Germany.

Churchill was not all work. I enjoyed playing squash and rowing – for a term – and learning about girls (I was in an all-male College, from a boys’ school and with only brothers). I was the secretary of the Socratic Society and had the enormous pleasure and privilege of working with (Captain) Stephen Roskill, who knew everyone from Lord Mountbatten to Katherine Whitehorn and it was fun to invite them to Churchill to lecture. I also made some very good life-long friends.

**Changing my career goals**

When the Part II Biochemistry results were posted on the Senate House, I was shocked to find my name amongst the four firsts! I was offered places to do a PhD in both Biochemistry and the MRC Laboratory of Molecular Biology. It was a hard decision to change my career goals again and postpone the Unilever offer, but the opportunity to work with the great names who had lectured to me (Perutz, Crick, Brenner) as well as other giants of the field, especially Sanger and Milstein, who was my PhD supervisor, proved irresistible. I loved the highs (and lows) of full-time research and flourished there with a string of publications. The invention of monoclonal antibodies happened in our group and suddenly I was one of the few people who could
demonstrate a technique that every biomedical lab in the world wanted to master. I enjoyed the globe-trotting and the international aspect of science, including the dilemma of whether to travel behind the Iron Curtain. Towards the end of my PhD, I applied for College research fellowships, to stay on in the Laboratory and in 1974 I was elected to a fellowship at Caius, the first Churchillian to be elected a Fellow of Caius.

Technology transfer

In the early 1980s I became interested in the application of medical research and the processes of technology transfer, initially through the patenting and commercialisation of a monoclonal antibody I had produced to human interferon. I was asked by the Director of the Laboratory, Sydney Brenner, to help others with their commercialisation and enjoyed working with brilliant minds, such as John Sulston on patenting the first automatic DNA sequencing gel reader and John White on the first confocal microscope. But after a couple of years I decided on another career switch and went to work in one of the first UK biotechnology companies, Celltech, in Slough, where I could see technology transfer from the industry side. It opened my eyes to a completely different way of looking at research and introduced me to concepts of financial and people management. After four years at Celltech, the shareholders decided on a change of strategic direction, leading to the resignation or redundancy of all the senior management, including me! For the first time in my life I was unemployed!
Working for Cancer Research

When approached by the Director-General of the Cancer Research Campaign (now Cancer Research UK) to set up and run a new clinical trials unit, I seized the opportunity. The atmosphere and culture at the CRC could not have been more different from Celltech. Staff, volunteers, fundraisers, doctors and patients all wanted to cure cancer. Money, promotion, recognition were all minor motivators. Once again, I had the freedom and resource to recruit and lead a team of talented people. We raised the quality of CRC trials to the highest international regulatory and industry standards, so that the trial data could go straight into product licence applications throughout the world, saving patients and companies the time and cost of having to repeat the trials.

I loved working at CRC, with my team and others, with patients and doctors and with biotechnology and pharmaceutical industry. To see the dedication and enthusiasm of local fundraising groups was as inspiring as the patients who volunteered for clinical trials.

Head of Research Services at Cambridge

After eight years, I was headhunted to return to Cambridge and to set up and lead the University’s first proper technology transfer office. Another chance to set up and run something new! But, for the first time, I was moving outside of my comfort zone of the biomedical world, to cover physical sciences and technology, engineering, arts and humanities and social sciences. Running a team of nearly 100, responsible for processing all the University’s research grants and contracts, and managing the relationships with the University’s largest collaborators was a challenging but hugely enjoyable task. Once again, I had to adapt to a new organisational culture, one in which every academic has the right to express their opinions publicly and forcefully and many of them did! After four years, technology transfer had developed to the stage when it made more sense to spin it out as a wholly owned subsidiary company of the University, and Cambridge Enterprise Ltd. was born. I decided I wanted one more challenge before I retired. I responded to a head-hunter’s call to set up a collaboration of the eight research-intensive universities in the North of England. After three years of establishing and running N8 Ltd, a precursor to the Northern Powerhouse, I retired back to Cambridge in 2010.

In 2002, while Director of Research Services in the University, I had set up an organisation to provide training for technology transfer professionals, called Praxis and by 2010 it was firmly and sustainably established as the leading UK
trainer in the field. I offered to explore whether the Praxis model of training would be of interest overseas and spent much of the following two years delivering pilot training courses in South America, India, Japan, Australia, Middle East, etc. I enjoyed the international perspective and realised how successful the UK models of technology transfer\(^1\) was in the eyes of the rest of the world.

**Bursar at Caius**

In 2012 this came to a rather sudden end, when the newly elected Master of Caius, Sir Alan Fersht, asked me if I would become Bursar. At first, I declined. I had no experience of (or interest in) investment or property management. But, over the following months, Alan became more persuasive and the idea of one final career move grew more attractive. On 1 October 2012 Sir Alan Fersht started as Master and I became Senior Bursar of Caius. As far as I know, I was the first Churchillian to hold a bursarship in Oxford or Cambridge, but the readers of the Review might know better! To my surprise I took to the management of College finances like a duck to water! During my six-year tenure the value of the College endowment rose from £122m to £220m, we restructured the role of the Domestic Bursar and produced the College’s first Estate Master Plan (‘Caius2048’). In September 2018, Alan and I both reached our respective statutory retirement age. Looking back, I am proud that three Cambridge College bursars are women whom I recruited over 15 years; who were fantastic colleagues; and whom I encouraged to apply for their present roles. I now have a portfolio of non-executive directorships, trusteeships and consultancy projects overseas.

Half a century on from Churchill, what did Churchill teach me? The excitement of science, certainly, but also to be persistent and patient, though flexible and opportunistic. To ask questions, not to be in awe of famous names, and to ‘embrace failure’. Every time I go back to Churchill, for a lecture or a meal or just to look around, I am reminded of what this fantastic College taught me.

David Secher

\(^1\) (now called Knowledge Transfer or Knowledge Exchange to emphasise the importance of Arts and Humanities too)
A Journey of Discovery
From Yorkshire to Luxembourg via Japan

Dr Steve Brabbs (UG82) recalls his journey from a Yorkshire farm to Churchill College to read Natural Sciences. Steve was the first in his family to go to university and the first successful Oxbridge applicant from his comprehensive school. He recounts how he intermitted his PhD to go to Japan for 3 years and how he then ended up settling in Luxembourg. Steve is Global Application Technology Leader for Transport Protection for DuPont de Nemours, Luxembourg and speaks French, German and Luxembourgish with a smattering of Japanese.

Stepping out of a restaurant in the heart of Berlin on a chilly, February night, I experienced a momentary feeling of disbelief that I was really where I was, and that it was really me who had just spent the evening chatting and joking with work colleagues in alternating French, German, and Luxembourgish. In that brief ‘unreality check’ I felt like an imposter in my own life. How did the rather shy and unworldly son of a Yorkshire farmer end up here, doing this? It’s not that I’m some high-powered, globe-trotting executive, or a world-renowned academic, but I am lucky enough that my work has given me opportunities to travel and to live in different countries, and I hope I have taken good advantage of them.

An impossible dream come true
As the first in my family to go to university and the first successful Oxbridge applicant from my Comprehensive School, going up to study Natural Sciences at Churchill was an impossible dream come true for me back in the early 1980s. More hard work than I could have possibly imagined, but also a journey of discovery through the unique NatSci Tripos. Of course, there was plenty of fun too, getting to know so many different kinds of people, and picking up such essential life skills as how to tie a bow tie and how to open a bottle of champagne without taking anyone’s eye out! Then there was boat club and a host of other societies to try out different activities.
Intermitting my PhD to go to Japan

Graduation led linearly on to a PhD with Chris Abell (Christ’s), but part way through my doctoral research, an opportunity came up that was too good to miss. I had long been interested in all things Asian, so when I saw an advertisement for a one-year course at Imperial, aimed at training a small number of UK scientists and engineers to work in a Japanese cultural environment, I just had to apply. This was the boom era of Anglo-Japanese business investments so my personal interests were very much in tune with the zeitgeist. With Chris’s support and special permission from the SERC, I interrupted my PhD research for an exciting year divided between Imperial, Harvard and Tokyo, which brought me back to Cambridge knowing when to take my shoes off, how deeply to bow and when, and able to get by in Japanese. I had also picked up a fiancée along the way, still my wife and co-adventurer of nearly 30 years, whom I had met in London. A year later, with lab work finally complete, I applied to most of the UK chemical industry asking whether, by chance, any of them had a job for a chemist who spoke a bit of Japanese and was lucky enough to be offered a post with ICI. But soon me and my family were shipped off to their newly opened Tsukuba Research Centre near Tokyo.

Settling in Luxembourg

Our three years in Japan were fantastic and it was heartbreaking when we had to leave, but the job brought us back to the UK for a spell, then to the US, and then somewhat unexpectedly to Luxembourg. With three children of school age by then, we decided to settle there to give them the stable educational and social environment which, after twenty years, has turned them into multilingual and very culturally open young adults. And while my work no longer takes me to Japan, living in the heart of Europe in a country where nearly half the population was born elsewhere, has more than compensated with so many memorable and incredible experiences. I’m grateful for those first steps into the world that took me to Churchill and let me go so much further. Now, through the local Cambridge alumni society, I try to encourage young people in Luxembourg to apply to Oxbridge. And I like to think that their journeys might take them to places and let them do things so far beyond their dreams that they may experience their own unreality checks.

Steve Brabbs
A Stunning Landscape  
The Gardens of Churchill College

Paula Laycock, College Records Officer – previously College Registrar (1991–2014) – and John Moore, Head of Grounds & Gardens, recount the development of the gardens of Churchill College from a forty-two-acre challenging site in 1959 to today’s stunning landscape.

Sixty years ago, on 17 October 1959, Sir Winston Churchill planted an oak and a mulberry to mark the commencement of the building of Churchill College. Ground conditions across the forty-two-acre site were challenging with poor soil and heavy Gault clay, while extreme weather during the Great Freeze of 1963 saw the loss of many newly planted trees and shrubs. But as time progressed, and from a somewhat unprepossessing, open and barren site, a stunning landscape started to appear. Today, the oak and the mulberry are magnificent specimens, while there are now over eight hundred trees across the site. The oak tree has also been joined by a weeping white mulberry, planted in 2009 by Sir Winston’s daughter, Mary Soames, during the College’s fiftieth anniversary celebrations.

Master’s and Fellows’ garden
Sheila Haywood’s original landscape master plan

The gardens have been developed within the spirit of landscape architect Sheila Haywood’s original landscape master plan, where the planting not only provides year-round interest, but also a setting for the impressive collection of modern sculpture around the College. Sixty years later, trees and shrubs soften the framework of the buildings, the trees have created a parkland setting, and the original copse area beyond the Sheppard Flats is now an arboretum. There is an Orchid House, as well as winter and summer herbaceous borders. There is a beautiful grouping of Prunus ‘Tai Haku’ (great white cherry) trees by the graduate houses (the Pepperpots) and a collection of different Cercis around Cowan Court. In the arboretum there is a Golden rain tree, the horticultural curiosity Adam’s laburnum + Laburnocytisus ‘Adamii’, and collections of maple, Chinese dogwood and magnolias. There are also drifts of naturalised bulbs across the site. Of particular interest is the ‘Sir Winston Churchill Border’ which includes plants named after the founder, and for which the College hopes soon to hold the National Collection. There is also an avenue of pleached limes and the parterre outside the Møller Centre where two ‘Maersk stars’ have been created with lavender and liriope. The new Xiaotian Fu Garden in the garden of 72 Storey’s Way is also well worth a visit (see p.101).
Current projects include some replanting around the Sheppard Flats, the landscaping of the area around the new graduate houses, and the revamping of the border along Churchill Road.

**Today’s grounds and gardens**

Today, the grounds and gardens are managed by the Head of Grounds and Gardens and a team of eight including part-time staff and trainees. In 2019, the department was presented with a special trowel in recognition of ten years of opening under the National Gardens Scheme. With the exception of the Master’s and Fellows’ Garden, the College’s grounds and gardens are open to all throughout the year. The Orchid House is opened for special events, but visitors may pre-book by emailing groundsandgardens@chu.cam.ac.uk or telephone (01223) 740924. College members may sign out a key from the Porters’ Lodge.

If you would like to know more about the grounds and gardens you can do so at [www.chu.cam.ac.uk/about/grounds-gardens/](http://www.chu.cam.ac.uk/about/grounds-gardens/). You may also be interested in following the diary blogs posted by one of the gardeners on behalf of the grounds and gardens team – [www.chu.cam.ac.uk/news/0/12/](http://www.chu.cam.ac.uk/news/0/12/).

In recognition of the sixtieth anniversary of the first planting on site, the College has published a Garden Guide (available at the Porters’ Lodge for the price of £3) which includes a guided walk around the gardens. A more detailed history of the development of the College’s grounds and gardens is also in preparation.

Paula Laycock
John Moore
Magical and Memorable Experiences
The Deppon McKinsey programme at the Møller Institute

Tim Hill, Head of Marketing at the Møller Institute, reports on the Deppon McKinsey programme, a successful programme which was developed in partnership with Bruce Simpson, Churchill College alumnus and senior partner at McKinsey & Company. Bruce Simpson (U&G80) relates how returning recently to Cambridge, he discovered a ‘hidden gem’ – the Møller Institute.

‘I recently returned to my university stomping ground, Churchill College in the University of Cambridge to discover a hidden gem – the Møller Institute – a leadership development centre, bringing together business and academia, and with whom my team and I worked to design and deliver a unique and high impact experiential, immersive leadership development programme for the emerging leadership team at Chinese logistics giant Deppon.

The entire Cambridge experience was both magical and memorable; the flexible model the Møller Institute adopts allowed them to seamlessly blend Cambridge academics, global industry practitioners and leadership development experts into an entirely bespoke programme for us. I wanted to share some highlights of the programme and also the capabilities of the experienced Møller Institute team who I can highly recommend.’

Bruce Simpson

The Møller Institute, its mission & vision

Churchill College is unique amongst Oxford and Cambridge contemporaries in a number of ways. We are constitutionally committed to taking a minimum of 70% of students in STEM subjects, consistently have one of the highest state school entries and we are resolutely committed to attracting more women as both under- and postgraduates.

We are different in one other respect. We have on campus a wholly owned subsidiary business, the Møller Institute. The Institute delivers leadership
development and executive education to global corporations by convening the best of the University of Cambridge academics, leadership experts and industry practitioners to support strategy, innovation and cultural change. It is a flexible model, which allows the Institute to create genuinely bespoke interventions – rather than a modular version of pre-existing academic research interests. The Institute’s emphasis is on experiential programmes with strong practical outcomes, leading to behavioural change that support businesses’ own transformation agendas.

The Møller Institute operates commercially but covenants profits back to the College to help grow young leaders of the future. This circularity means that our clients can be confident that they are not only getting what they need for their immediate transformation plans but also helping to foster a rich and diverse talent pool of graduates at Churchill College to draw from too.

The Depon McKinsey programme

One of the key challenges the Møller Institute faces is that commercial procurement processes for leadership development programmes often default to a small list of the ‘usual suspects’, mostly big-name business schools or consultancies. When a Churchill College alumna or alumnus is able to add the name of the Møller Institute to the list for consideration when a leadership development need arises, then ‘magical and memorable’ experiences usually follow.

Global management consulting firm, McKinsey & Company are widely considered the most prestigious management consultancy, their clientele includes 80% of the world’s largest corporations. Bruce Simpson, a senior partner with McKinsey, explained that they partnered with the Møller team to build on their multi-year Depon Leadership Programme that takes a pioneering approach, designed to enhance Depon executives’ skills in problem solving, collaboration and overall leadership extremely rapidly, to face today’s increasing volatile challenges. The Cambridge module focused on building the highly agile leadership behaviours and traits fit for the 4th Industrial Revolution digital age – including resilience, positive approach orientation to opportunities as well as challenges, attitude to risks, tolerance of ambiguity, leading by purpose, and cultivating innovative culture. Bruce wanted to ensure that the Depon team was immersed in the inspirational University of Cambridge environment renowned for discovery, breakthrough,
academic excellence and highly personalised learning and teaching. Like all Møller Institute programmes, it was completely bespoke to their needs and quality assured, endorsed by both the University of Cambridge’s Board of Executive and Professional Education and Churchill College’s own Education Standards Committee.

Goals and outcomes of the programme

The five-day customised programme, that was developed, was anchored around ‘agile leadership’. It helped Deppon’s future senior management team and leaders to build their leadership skills at individual, team and organisation levels and achieve their ambition of continuous high growth. The Møller team ensured that Deppon’s emerging leaders heard from and interacted with a group of distinguished Cambridge scholars, Churchill College Fellows, as well as practitioners on the development of technology enabled innovation and how they transformed the industry sectors and our lives. The programme had exclusive access to the Scott Polar Research Institute and the Churchill College Archives Centre.

Allen Packwood OBE, Director of the Churchill Archives Centre, delivered an incredible presentation to the group and this historical context enabled the leaders to explore the leadership characteristics of inspirational figures like Churchill and Shackleton, who demonstrated great passion, vision, courage and resilience through challenging times. The group also learned about high performance team-building and innovation through experiential activities like ‘competitive’ rowing, punting and river activities at the College Boathouse on the River Cam.

What next with McKinsey?

My colleague Cathy Butler, Head of Executive Education at Møller Institute thoroughly enjoyed working with Bruce, McKinsey & Company and the leaders from Deppon and is keen to encourage additional introductions from Churchill College alumni. Bruce has been incredibly helpful in sharing the success of the Deppon programme with his colleagues globally, extending the reach and reputation of the Møller Institute and Churchill College.

Tim Hill
A Day in the Life of …

There is No Such Thing as a Typical Day!
A Day in the Life of Rebecca Cresswell

Rebecca Cresswell is Front of House Manager at Churchill. She is a new but very dynamic addition to the catering department. Here she tells us about her previous experiences before joining the catering staff at Churchill, what her role entails and how much she enjoys her work in College. She also reveals that she is a keen cyclist.

When I was asked to write about ‘A Day in my Life’, it made me realise that one of the things I most enjoy about working at Churchill College is there is no such thing as a typical day in the Catering Department! I have worked at the College for almost 2 years and thoroughly enjoy my role as Front of House Manager. The whole atmosphere and ethos of the College makes it a great positive environment to work in and it has a great work/life balance.

Previous work

After my geography degree, I fell into a career in hospitality by accident. The summer I graduated, I went to work on the Italian Lakes – just for one summer and ended up staying for 3 summers and then also worked in Switzerland and Austria. Coming back to settle in the UK, I started to work in a hotel on reception and worked my way up to a General Manager role with the Holiday Inn Group. After 13 years of working in hotels, I wanted a change and was very fortunate to find the job here.

I live in Soham and although I work a variety of hours, I tend to work more day shifts when the core business is in. We have a communications meeting each morning with a representative from each of the Facilities Departments to discuss the day ahead, any feedback and anything anyone needs to advise everyone of. I then cascade the relevant information to our team.
A Great Team

The team I work with come from a variety of different career backgrounds. Within the Catering department, I oversee a great team of six managers/supervisors who work a variety of shifts to cover the 7 days a week operation. During term time, continental breakfast for students and Fellows is served in the buttery, so part of my role is to check breakfast is running smoothly. Out of term, breakfast is a full English and moves up to the dining hall. Due to the large amount of conference business and summer schools we have, breakfast can be very busy during vacation periods.

As a department, we look after the Senior Combination Room (SCR) where we ensure the coffee machines are well stocked, newspapers are kept tidy and a range of drinks are available. I oversee the checking of this throughout the day.

Varied work

My mornings vary according to what is occurring on a particular day. We may have coffee breaks for commercial clients, which we set up, deliver or serve and clear away. We can have refreshment breaks in a variety of areas in the College, including the Buttery, Jock Colville Hall, Wolfson Foyer or the Sixties Room. We can often have several different commercial clients in on the same day, so with them having breaks at various times, it keeps us busy during the day.

Busy lunchtimes

During the morning, we set up for lunch, getting the servery and dining hall prepared for students and staff as well as external customers and the Fellows’ Dining Room (FDR) for Fellows. We set tables, fill the servery fridges, and write the displays for food, such as allergen information. We have to ensure all special diets and allergies are managed correctly. As my role is hands on, I often get involved with this, depending on what else I have to do or is going on at the time.

We have busy lunchtimes and I spend the lunch period checking the hall, the servery, the FDR and the SCR and also cover the tills when needed. We can have other events going on as well as self service lunch, for example school visits, where prospective new students visit the College and have lunch as
part of their day here. We have buffet stations on the High Table and serve hot lunches to the school students and accompanying adults. We can also have sandwich lunches that require delivering, for example, to the Sixties Room or Jock Colville during this time, so it can sometimes require quite a bit of coordination to allocate staff for different deliveries, being on the till, managing the dining hall servery looking after the FDR and checking everyone is where they should be!

As well as helping with the post-lunch clear up, I catch up with administration tasks. There is quite a bit of behind the scenes administration that is part of my role. This includes typing and printing dinner menus for High Table, Formal Halls and special dinners, printing place cards for these dinners.

**Staff rota**

I also do the staff rota for the Catering Front of House team, which is a mixture of full time, part time and casual staff. This involves looking forward at the business coming in over the following couple of weeks and judging the staffing levels we will need for each day. We often get a few last-minute amendments and changes, both for commercial bookings and College events, such as Formal Halls, where bookings close 15 hours before the dinner, so numbers are not confirmed until then. I send out the shifts that are available to staff, give them a couple of days to reply and then compile the rota and email them all to advise which shifts they have been given. I also have to find extra staff when numbers go up for dinners. As a department, we also look after the Fellows’ wine cellar and collect wines for High Table and deal with any orders that come in.

**College large events**

I also process charge sheets for the catering aspects of events so the accounts department charge the correct numbers for Formal Halls, High Tables and any other bookings with variable catering elements. It all helps to make my role varied and interesting.

I particularly enjoy working on the large events we have. Dinners such as the Feasts, Graduation and events held through the summer are great to work on and it is very satisfying to see the hard work of the team pay off when everyone enjoys the event they are attending. There is a lot of work
involved in preparing for dinners such as the Feasts. For example, if we have a Feast for 180, we have to polish 1620 glasses for the reception and dinner amongst everything else!

**A keen cyclist**

Outside of work, I enjoy cycling, something I took up 18 months ago as I wanted to get fitter. I joined a cycle club and try to go most Saturday mornings with my club members for a 25 mile ride. I enjoyed riding in a few cycle events last summer, my furthest distance was at just over 50 miles. Together with three of my Churchill colleagues, we have entered ‘Ride the Night’ which will take place at the end of May. This will be the furthest I have cycled at 100km (62 miles) through the night from Windsor into central London and back! We have certainly set ourselves a challenge but have already raised over £1,000 for three cancer charities.

Working at Churchill has given me the chance to enjoy **a better work-life balance** and the time to train for the bike ride! I feel very lucky to be working at the College as I really enjoy my role.

Rebecca Cresswell
GOING FORWARD
‘Let our advance worrying become advance thinking and planning.’

Winston Churchill
Future Events

Below is a list of future Events and activities for alumni and friends. As you may well be aware, **2020 marks the 60th anniversary of the College.** Some special anniversary events are still being planned, so please keep an eye on our E-bulletin and our other publications for news of these events.

### 2019 Events

**Friday 27 September, 11.30, Churchill College**
Opening of new graduate accommodation

**28 October, 18.30, London**
‘Just about managing: the history of management consultants in government’: Drinks reception and talk by alumnus Dr Antonio Weiss (U05)

**30 November, 17.30, Churchill College**
Give Me Inspiration!: The Master in conversation with Professor Dame Nancy Rothwell

**12 December, 11.00, Twickenham**
Varsity rugby match alumni event

### 2020 Events

**Monday 13 January TBC**
Gala event in New York for alumni

**Wednesday 29 January, 17.30, Churchill College, by invitation only**
Roskill Lecture given by Professor David Reynolds

**Wednesday 12 February, 1730, Churchill College**
Give Me Inspiration!: The Master in conversation with Angela Saini

**Thursday 12 March, 12.00, Churchill College**
Winston Churchill Society Legacy lunch and recital for those leaving a gift in Will to the College
**Friday 8th May, 18.45, Churchill, by invitation only**  
Master’s Circle Dinner for £100,000 + donors

**Thursday 11 June, London, by invitation only**  
Oak Circle Dinner for those who have donated £10,000 or more in the preceding 5 years

**Saturday 4 July, 18.45, Churchill College**  
1988–92 Reunion Dinner

**Sunday 5 July, 12.30, Churchill College, by invitation only**  
Donor Garden Party

**Friday 10 July, 18.45, Churchill College**  
50th Anniversary reunion for all those who matriculated in 1970

**Friday 25 September to Sunday 27 September**  
60th Anniversary Celebration Association Weekend

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**New Initiatives**

**Churchill Business Network**  
With the help of alumnus and Development Board member Greg Lock (U66) we have launched a Churchill Business network, for alumni to speak to those in a similar business sector and to provide more networking opportunities.

**Careers Network**  
Churchill Connect is our new platform to facilitate networking amongst our alumni community and for students to also contact alumni online in a way that doesn’t require a lot of information to be made public. Please register at churchillconnect.com

**Donor recognition changes**  
The next donor garden party will be held on 5 July 2020.

Additionally, we have introduced a new programme of events and levels of donor recognition, summarised below
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<th><strong>Winston S Churchill 1958 Society</strong></th>
<th>Legators (anyone making a commitment to remember the College in their Will)</th>
<th>Invitation to an annual lunch hosted by the Master</th>
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<th>£10,000+ in preceding 5 years</th>
<th>Personal acknowledgement from the Master</th>
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<td>On the invitation list to a drinks reception and <strong>specially arranged</strong> annual dinner</td>
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<th><strong>Patrons’ Circle</strong></th>
<th>£25,000+ in preceding 5 years</th>
<th>Name on Benefactors’ board</th>
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<td>On invitation list to Fellows’ guest night</td>
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| **Master’s Circle**            | £100,000+ in preceding 10 years | Invitation to a **specially arranged** dinner with one guest, hosted by the Master in the Cockcroft room |

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<th><strong>Benefactors’ Circle</strong></th>
<th>£500,000+</th>
<th>Invitation to Benefactors’ feast and Founders’ feast</th>
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<td>+University Vice-Chancellor’s circle recognition</td>
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<th>£1 million+</th>
<th>Admission as Benefactor Fellow, SCR membership and category A dining rights</th>
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<td>Also, University recognition as Guild of Benefactors member</td>
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Future Plans

The endowment

The College’s endowment is now at around £100 million, held in equities and excluding the College’s property assets. The endowment generates around £3 million (depending on investment performance) most years, which is essential to fund our core activity. The College in FY ending 30 June 2018 spent £5.5 million on educating its students (including its subsidy of accommodation and its funding of the supervision system), but income from fees was £3.9 million. The gap in funding of approximately £1.6 million is plugged by the endowment, donations and profits made from conference activity. The endowment also includes bursaries and studentships, and the unrestricted endowment amount is more limited.

The College is on a secure financial footing, but would have far greater flexibility in terms of its strategic planning if our unrestricted endowment were to grow significantly. It would enable us to face any unexpected expenses more flexibly and give us a greater degree of freedom from the political interference. Therefore, we especially appreciate gifts to the endowment which are not restricted, but which are unrestricted and invested for the long-term financial sustainability of the College.

More information about the endowment is to be found in the College’s published accounts, which can be viewed online at www.chu.cam.ac.uk/about/official-documents

Supporting Our Students

Undergraduate Funding

As mentioned previously, we are constantly striving to ensure we have enough bursary provision for our undergraduates, so that no student is deterred from applying to Churchill due to being fearful of debt or the overall cost of their education. As well as the endowed bursaries referred to above, any amount can be donated to our general undergraduate student bursaries. You can read more about how the bursary funding, and our most recent campaign ‘Opening Doors’ has been going on p. 36
We have two major initiatives for Bursary funding. We have excelled as a College around student bursaries. Churchill has approximately 100 undergraduates receiving Cambridge Bursaries, the majority receiving a full bursary (£3,500/year). Many of those have family incomes lower than £35,000 per year – we are proud that we have been able to offer extra support to these students and will continue to raise funds for bursaries to do so.

• **The Cambridge Bursaries** – Funding these bursaries currently costs the College £250,000–£300,000 per year from unrestricted funds, though there is a growing number which are now funded by specific bursaries which are endowed (for example, the Lock Bursary fund). To endow these bursary funds fully would cost £8.75 million: therefore, the more donations we can attract to student support funds, the better, either as general donations to the student support fund or as endowed funds for named bursaries.

Adding more donations to the Student Support fund helps students in any subject by helping us to fund our Cambridge Bursary commitments, and hardship grants to all students in need.

• **Winston Churchill Bursaries** – We are also committed to funding top-up bursaries, through the Winston Churchill Bursaries which are for those students receiving a full Cambridge bursary and whose parental income is less than £25,000 per annum. The top-up bursaries, of £1,500–£2,000 per student, can make all the difference for recipients as they are able to focus on academic work rather than earning money through the Easter vacations. We aim to raise at least £80,000 per year to fund these bursaries.

**The 1960 Club**

Those donating £1,960 per year for Student Support will be eligible to join the 1960 Club, as this funds most of our Winston Churchill top-up bursaries. For more information please see the alumni website at www.chu.cam.ac.uk/alumni/giving-college/1960-club/

**Graduate Funding**

We also are fundraising for studentships to support graduates. There is, unfortunately, very little funding available from Research councils for advanced students in the arts and humanities. We also wish to ensure we
do not lose our brightest undergraduates to other Colleges who can fund their research. So, we aim to endow studentships, and any contribution to the general endowment funds to support graduates is most welcome. The minimum cost of fully funding a postgraduate is around £20,000 per year minimum, and more than this in certain science subjects. The endowment sums required are therefore around £1 million per studentship. This is an excellent way of ensuring an academic career does not become the preserve of the wealthy once more.

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The Creative Hub

With the completion of the graduate housing at 36 Storey’s Way our next building project is the Creative Hub. This will be a facility unique to Churchill College, providing a ‘maker’ space in the disused oil store next to the squash courts at the front (Storey’s way) entrance to the College.

The Creative Hub will include benches and work space, equipment and a couple of small offices for students to experiment with different building and manufacturing techniques, on a small scale, and bring artistic and design projects to fruition. The project comprises a fund for endowing the running costs of the space – as a technician will be employed – and the refitting of the space itself.

The overall cost of the project is £3.2 million, and the space will be refitted once half this total is achieved.

The project is being led by Assemble, the collective that won the Turner Art prize in 2015. It includes alumnus Joe Helligan (U06) who is working on the design for the interior of the hub space.

The Vision

Creative endeavour is the motor of future success. It is widely recognised that creativity flourishes most readily between existing disciplines, calling for an openness of mind that is best fostered by sharing a common goal with people of contrasting approaches.
In this spirit of interdisciplinary thinking and creativity, a Creative Hub where Churchill College students – undergraduates or postgraduates – and of all disciplines – Architecture, Art, Biochemistry, Computer Science, Engineering, Mathematics and Plant Sciences, are proposing to bring their collective expertise and experience together to create a new interdisciplinary hub at Churchill College. The Creative Hub will be a place for creativity and innovation, incorporating the Visual Arts Studio, to provide a unique environment to explore, design, test, scale, and build, ideas — technical, social, artistic and more. It will host a programme of events and create a space aimed towards crossing traditional boundaries between academic disciplines, and forging new collaborations so that our students can better engage with the challenges of the 21st century. It is also aimed at engaging a wider audience, both local and national, developing an active communication and exhibition strategy.

**Project Costs**

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<td>Building</td>
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<td>Programme development and operations</td>
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**Giving to Churchill**

Any gift of whatever size makes a difference. If you have any questions about donating don’t hesitate to email us on development@chu.cam.ac.uk

Thank you for your support!

**Donate online via our website**

You can make a one-off gift using a credit card or debit card via www.chu.cam.ac.uk/donate. We accept Mastercard, Visa and Maestro cards. If you have a UK bank account you can also set up a regular gift online (monthly, quarterly or annually).
Donate via telephone or by post

We are pleased to accept gifts made using a credit card or debit card by telephone. Call +44 (0)1223 331660. We can also accept gifts by post. You can pay by credit card, UK debit card, cheque or direct debit. Please complete and return the enclosed gift form to accompany your instruction. Cheques should be made payable to ‘Churchill College’.

Donate via bank transfer

Please notify the Development Office by email: development@chu.cam.ac.uk if you choose this option and ensure that the bank quotes your ‘Surname’ and preferred Fund to support, e.g. ‘Grad Accom Fund’ as the reference for the transfer.

- Bank: Lloyds Bank, 3 Sidney Street, Cambridge, CB2 3HG
- Sort Code: 30-91-56 | Account number: 03114294
- Account Name: Churchill College Bursar’s Account
- IBAN: GB24 GB72 LOYD 3091 5603 114294 | SWIFTBIC: LOYDGB2L

Donating non-cash assets

We welcome gifts of listed shares and securities which attract relief from Capital Gains Tax and Income Tax. Gifts of land or property made during a donor’s lifetime attract the same tax incentives as gifts of shares, and other forms of non-cash gift (such as works of art, books, manuscripts and equipment) may also be considered as gifts to Cambridge. For further information please contact the Development Office.

For more information visit www.chu.cam.ac.uk/alumni/giving-college/making-tax-efficient-gift

Churchill College Development Office, Storey’s Way, Cambridge, CB3 0DS: 01223 331660 / development@chu.cam.ac.uk
DONATION FORM

Your details:

Full name: ____________________________

Email address: ____________________________

Phone: ____________________________

Address: ____________________________

I would like to make my gift to support:

☐ The area of greatest need

☐ Graduate Accommodation

☐ Student Support Fund

☐ Project Creative Hub Project

☐ Unrestricted Endowment

☐ Teaching and Fellowships

Other (please state) ____________________________

Please tick if you would prefer your donation to remain anonymous ☐

Please tick if you would like to receive information about leaving a donation to Churchill in your Will ☐

How would you like to donate?

☐ One-off gift by card

☐ Direct Debit (please turn over)

☐ One-off donation by cheque (cheques should be made payable to Churchill College)

One-off gifts by card:

Name on card: ____________________________

Amount: £ ____________________________

Type of card:

☑ VISA ☐ MasterCard ☐ American Express ☐ 

Card number: ____________________________

Expiry date: / ____________________________ CCV no: ____________________________

Registered card address: ____________________________

Registered card address: If different ____________________________

I would like to boost my donation with Gift Aid:

I am a UK tax payer and I would like to allow Churchill College to reclaim the tax on this and every other donation I have made over the last four years, and all future donations, until I notify you otherwise. I confirm I have paid or will pay an amount of Income Tax and/or Capital Gains Tax for each tax year (6 April to 5 April) that is at least equal to the amount of tax that all the charities or Community Amateur Sports Clubs that I donate to will reclaim on my gifts for that tax year. I understand that other taxes such as VAT and Council Tax do not qualify. I understand that Churchill College will reclaim 25p of tax on every £1 that I give.

☐ I want to Gift Aid my donation to Churchill College

Gift Aid notes: Please remember to notify Churchill College if you:

(1) want to cancel this declaration, (2) change your name or home address, (3) no longer pay sufficient tax on your income and/or capital gains.

If you pay Income Tax at the higher or additional rate and want to receive the additional tax relief due to you, you must include all your Gift Aid donations on your Self-Assessment tax return or ask HM Revenue and Customs to adjust your tax code.

Date: / / ____________________________ Signature: ____________________________
Regular donation by Direct Debit:

UK bank accounts only

I intend to make a gift of £____ for ____ year(s). (Please leave blank if no end date applies)

☐ Every month on ☐ 15th ☐ 25th

☐ Quarterly on 20th Mar, Jun, Sep & Dec

☐ Annually on 10th Mar, Jun, Sep or Dec (Earliest date after receipt of form will be used.)

Instruction to your Bank or Building Society to pay by Direct Debit:

Name(s) of account holder(s):

Account no: _______________ Sort code: _______________

Bank name: __________________

Bank address: __________________

Date: _______________ Signature: _______________

Originator’s Identification No: 837061

Please pay Churchill College Direct Debits from the account detailed in this Instruction subject to the safe-guards assured by the Direct Debit Guarantee. I understand that this instruction may remain with Churchill College and, if so, details will be passed electronically to my Bank/Building Society.

Direct Debit Guarantee:

This Guarantee is offered by all banks and building societies that accept instructions to pay Direct Debits. If there are any changes to the amount, date or frequency of your Direct Debit Churchill College will notify you 20 working days in advance of your account being debited or as otherwise agreed. If you request Churchill College to collect a payment, confirmation of the amount and date will be given to you at the time of the request. If an error is made in the payment of your Direct Debit by Churchill College or your bank or building society you are entitled to a full and immediate refund of the amount paid from your bank or building society. If you receive a refund you are not entitled to, you must pay it back when Churchill College asks you to. You can cancel a Direct Debit at any time by simply contacting your bank or building society. Written confirmation may be required. Please also notify us.

I would like to boost my donation with Gift Aid:

I am a UK tax payer and I would like to allow Churchill College to reclaim the tax on this and every other donation I have made over the last four years, and all future donations, until I notify you otherwise. I confirm I have paid or will pay an amount of Income Tax and/or Capital Gains Tax for each tax year (6 April to 5 April) that is at least equal to the amount of tax that all the charities or Community Amateur Sports Clubs that I donate to will reclaim on my gifts for that tax year. I understand that other taxes such as VAT and Council Tax do not qualify. I understand that Churchill College will reclaim 25p of tax on every £1 that I give.

☐ I want to Gift Aid my donation to Churchill College

Date: _______________ Signature: _______________

Data protection: We take the processing of your data seriously. Please read our full data protection statement at www.chu.cam.ac.uk/data-protection
FRIENDSHIP AND FELLOWSHIP
‘I like to listen. I have learned a great deal from listening carefully. Most people never listen.’

Ernest Hemingway
Maintaining Links
Churchill College Association’s Chair’s Report
(2018–2019)

Andrew Stephenson (G89), the Chair of the Churchill College Association, gives an account of what the association did last year and looks forward to upcoming events.

The Association has existed from the College’s early days with the aim of promoting good fellowship among resident and non-resident members, and to encourage non-resident Members to maintain links with the College and each other. All College members are automatically members of the Association from the day they arrive in College and there is no membership fee.

The Association Weekend 2018

The Association’s main event coincides each year with the University’s Alumni Festival in late September. Last year, on Friday, Sir Christopher Frayling (U&G 65, current Fellow) provided a fascinating and enlightening lecture about Mary Shelley on the 200th anniversary of the publication of her extraordinary novel, Frankenstein (The Modern Prometheus). This was followed by High Table for some and for others an extremely informative and enjoyable wine-tasting supper in the Fellows’ Dining Room, hosted by the Fellows’ Wine Steward, Dr Paul Russell.

On Saturday, Sir Mike Gregory and College engineers met to discuss plans for the Creative Hub, while historian David Lough (author of No More Champagne: Churchill and his Money) and Allen Packwood (Director of the Archives Centre) discussed ‘the elusive secrets of Churchill’s leadership style’.

The highlight of the weekend was the Association Dinner on Saturday evening where Anne Morrison (U78) spoke eloquently of her journey to Cambridge, her time at Churchill and her subsequent stellar career in the BBC, BAFTA and beyond. We also took the opportunity to thank Rosie Johnston (U73) for her deep love of the College and the unwavering service and complete dedication to the Association during her tenure as Chair for the last four years.
Other events

Last year saw pub meets in London and the continuation of our tradition of Churchill Association Members enjoying High Table at our sister College, Trinity in Oxford.

Following on from our first family-friendly event at the science museum in London, was The Little Shop of Horrors and picnic together at the Regent’s Park theatre, and a magical Christmas adventure at Kew gardens in December.

The writing group went from strength to strength and have plans for an anthology.

Forthcoming events and notices

Our tradition of the Oxford Trinity Dinner will continue in May 2020, as will the increasingly popular London Pub meets over the course of the year.

The Association Weekend 2020 will celebrate the 60th Anniversary of the founding of the College along with other notable anniversaries such as the University Challenge victory fifty years ago and thirty years since the Ladies first boat was head of the river.

Planning has already started for the Association Weekends 2021 to 2024. We are looking for themes for the weekends and important anniversaries to celebrate. So far, we are aware of upcoming anniversaries for the admission of the first female students, the founding of the boat club and of the Pleasure Machine/Pav, the opening of the Møller Centre and the Archives Centre, and several more. Please contact the Committee if you know of other events we should consider or if you would like to get involved.

The new Alumni platform designed to facilitate our social networking has been launched and already has over five hundred members. Connect now at www.churchillconnect.com

For a full list of the Association Committee events and your Member benefits, please visit www.chu.cam.ac.uk/alumni/association/

Andrew Stephenson
The Churchill Writing Group

The Churchill Writing Group has been going since early 2011 and is free and available to anyone connected with the College. All sorts of writing are welcome from fiction through memoir to poetry and just anything that arrives on the page or screen. There is no age limit – range is from 20s to 70s – and great friendships have grown amongst group members over the years.

We have two pieces on offer in this year’s Review: a very entertaining piece by Dr Gervase Vernon (U71) entitled ‘Of Orchids, King Ferdinand and an Earwig’. The second piece by Helen Mulligan (U75) entitled ‘The Ring: Vienna 1898’ is a very intriguing one.

Of Orchids, King Ferdinand and an Earwig
By Dr Gervase Vernon

A group of British orchid enthusiasts were arrested by the police in Greece in March. They had been photographing orchids in the Peloponnese and had reached the North-East corner where the Peloponnese faces Missolonghi. This area of Greece, one of the furthest from Turkey, is heavily militarised. A whole mountain has, in fact, been excavated so that it is almost hollowed out with tunnels. The surface of the mountain, untouched by farming, has become the best site on mainland Greece for many wild flowers, in particular for King Ferdinand’s orchid. This orchid is named after King Ferdinand the first of Bulgaria, a cousin of Queen Victoria; effeminate, bisexual and a keen botanist. He would have approved of the orchid group’s botanising efforts, but the Greek authorities did not.

Caught taking photographs in a military area, the orchid enthusiasts were arrested by the police and placed in jail. ‘Who is your leader?’ they were asked. All pointed to a man called Michael Jones. To the Greeks he appeared to have none of the qualities necessary for leadership; he was a thin, pale individual. He had no moustache; how could such a man be a leader? Moreover, he seemed unreasonably cheerful for someone in his situation. A man caught photographing in a military area can face ten years in prison; the acknowledged ringleader of a group of photographers could face more. The guards took Michael into to the office of Colonel Papageorgis, the chief of the military police in the area.
Fortunately for Michael Jones, the Colonel was in a good mood. He had had his first ouzo of the day. After what he hoped would be a short interview he was looking forward to a quiet evening at home with his wife. He was a man of the world; he would find a solution. He offered Michael a cigarette, but the Englishman refused it. That was his first mistake; if a Greek policeman offers you the hand of friendship, do not spurn it. But the Colonel forgave him; the man was a foreigner, perhaps he was nervous. In front of the Colonel, on a long table, was an array of cameras confiscated from the prisoners. The Colonel picked one up and turned it on. When he saw photographs of birds, the Colonel's spirits rose. He too shot birds. In such an area of male prowess, a man could not be expected to follow the law too closely. The Greek state prosecutors would not wish to be bothered with a minor infringement of hunting laws. ‘A lesser kestrel?’ he asked, handing the camera over. Michael leaned forward, ‘Yes, Colonel, you can tell by the brown back. You obviously know your birds.’ The two men seemed to be building a rapport.

‘I have not eaten a lesser kestrel since my uncle Raki shot one ten years ago’

‘We do not shoot them or eat them,’ riposted Michael, ‘we photograph them.’

‘Of course you do not shoot them, that would be illegal,’ answered the Colonel. As he spoke, he winked theatrically at Michael. At that point, the Colonel was ready to dismiss the orchid enthusiasts with a warning.

But Michael leaned forward, his pride offended. ‘We do not shoot birds; it is precisely because Greeks still shoot birds that so many migrant species are in danger of extinction! We are orchid specialists.’ Michael turned on another camera. He flipped through the photos; choosing a fine specimen of a King Ferdinand’s orchid, he passed it to the Colonel. The Colonel’s brow darkened.

‘A King Ferdinand’s orchid,’ he said, ‘why do you choose to show me this species named after an enemy of Greece? King Ferdinand I of Bulgaria, as you surely know, started the second Balkan war and attacked Greece. May his name be forgotten for ever.’ Michael realised he had gone too far and tried to apologise.

But it was too late, the Colonel had had enough. He would treat these men by the book. He would pass them on to his lieutenant who could process them
under article 8 sub-section 9 of the Greek military code. Let them spend ten years in prison. He addressed Michael, ‘Orchids, as you know, get their name because their roots are bulbous and look like testicles, “όρχις” (orchis) in Greek. You thought your testicles were bigger than mine; you refused my offer of a cigarette, you criticise the Greeks for shooting birds and you perpetuate the memory of King Ferdinand, an enemy of Greece. Well, I am sending you back to your cell. Tomorrow my lieutenant will deal with you according to the full vigour of Greek law; you can expect ten years in prison. I will show you who has the bigger orchis!’

‘I too am big in the world of orchids,’ said Michael quietly as the Colonel rose to leave, ‘I am the secretary of the International Committee for Orchid Nomenclature (ICON), to which I have the honour to belong, together with your colleague, retired police general Mr. Yannis. He has long been trying to get us to abandon the name “King Ferdinand’s orchid”. With my help the name could be changed.’

The Colonel continued to walk towards the door.

‘I could persuade the committee more easily if I was not in prison,’ said Michael. ‘We could even call it the earwig orchid.’

The Colonel found himself suppressing a smile. He sat down again. He offered Michael a cigarette which, this time, the Englishman had the good sense to accept.

The two men smoked together in silence for a while.

‘You would call it the earwig orchid,’ said the colonel.

‘If you free my men today, the earwig orchid it will be.’

‘Your men are free,’ said the colonel, reaching for a bottle of ouzo and two glasses, ‘and today we have turned King Ferdinand into an earwig.’
He walks down the front steps of his house; a maid closes the door behind him. He’s wearing a top hat with a mourning band of black wool. His upright stance suggests a professional man, but he carries no briefcase – only a cane. He strides out as if walking for pleasure.

Down he marches to the canal. He raises his hat to acquaintances, but with an absent-minded air. He’s certain of where he’s going – no hesitation at street corners – as if he takes this walk every day. At the bridge, he takes a sharp right, then leans for a moment on the canal wall and looks down at the water.

I see your face in the eddying currents, papa. Changing shape always. How I loved it when we walked together along the brook, you towering above me. Later it was different. Your beard, your eyebrows were disgusting to me. What rages I goaded you to. I hate you… hated you.

He turns away and continues at the same brisk pace along the embankment, heading east, then east southeast, all the time following the avenues that link together to form the Ring. His home is at twelve o’clock, and he proceeds clockwise towards the appointed time and place, ten o’clock on the imagined clockface – and on the real one too. Across the canal, the morning light caresses the domes, and crackles from gilded roofs and steeples.

But mama you were always there. When I tripped, you’d salve my knees. I smell it now, that unguent. Pink and sticky. Papa would scoff at my tears – you’d hug me tight to your bodice and laugh when I hid beneath your skirts.

Another veering, away from the canal this time. His course along the Ring turns through the city park. Leaves are budding on the sorbus trees – pinkish swellings like acne on their downy twigs. Grass is struggling to reclaim the mud left behind by the snowmelt. In days, the park will be a green oasis; whilst all around, the city rebuilds itself.

Beyond the park, the Ring is choked already with wagons carrying timber and stone and plaster to the construction sites, strung along it like beads on a chain. The Empire asserts itself with bombastic new buildings – here the
concert hall, now the opera, then the museum of natural history. Sweat begins to prickle down his back.

_Fools. Parrots and monkeys, mimicking the past. All pedantry, your pediments and porticos. Prisons of art, tombs of science. Conformity, convention. Caryatids with corseted breasts._

He turns southwards. As he approaches the square with its great Baroque church, his pace slows. He pauses before the site where the new Secessionsgäbaude is approaching completion: ‘To every age its art. To every art its freedom’ inscribed above the door.

He draws out a fob watch on its chain and flips it open. Satisfied with his progress, he halts at a low parapet wall overlooking the church and fumbles in a pocket for his silver cigar case.

_Swelling curves. Cherubs with their chubby thighs and wisps of drapery. My cigars lying ready in the case. The translucent paper veils each fat cylinder until I draw it out. Ruffling the filmy underwear, pushing apart those thighs. My wife’s sister – is it so wrong?_

The stub of the cigar fizzles in the ditch where he has thrown it. He presses on, westward now, through the spaces designated for the Municipal Park. Northwestward, the People’s Park. The landscape is confused, disordered. Along the whole line of the Ring, the city walls are being torn down, the moat filled in. The mock-Gothic town hall stands by and laughs.

_The old walls are gone, the walls bought by a king’s ransom. His mother paid it – drained the kingdom’s lifeblood so she could hold her son again. The old king was dead. The old queen drew her son to her, kissed him, touched him. What became of his wife? Maybe she fled screaming into the night, trailing the shrouds of ghostly infants behind her._

Hurrying now a little, he turns into the campus of the university. Even here, building work continues to left and right. He steps aside from a puddle, stained by the runoff from the ironworkers’ red lead paint. A ripsaw screeches close at hand as he climbs towards the portico of the department building.
He shoulders in through the mahogany doors with their gleaming brass plates. The mosaic-floored hallway greets him with a cool and welcome breath. A familiar odour of beeswax and stale cabbage lingers in the corridor. A door opens and a senior colleague appears, acknowledges him with a wordless nod, and passes on.

*Bastard. Hates me, hates all my work. Blocks my path at every turn – no professorship for me. Oh no: ‘unorthodox, untested’. Stab the old man, stab him at his altar. Stab his eyes. Crush his skull. Annihilate him. Annihilate him and his hollow creed. Take his power, the veneration due to me. I am the man. The coming century calls me to enthronement.*

The clock in the clock tower begins to chime. It is the hour of his ascendancy. He takes down the stairs two at a time, those worn stone stairs to the lecture theatre. At the top, he pauses. He strokes down his beard and whiskers, adjusts his cuffs. Then, ramrod straight, he enters the lecture hall. The students quieten and rise to their feet.

‘Good morning, gentlemen’.

‘Good morning, Dr. Freud.’
MEMBERS’ NEWS

Credit: Chris Williams, York WA
MEMBERS’ NEWS

Congratulations to five Churchill Fellows recognised in this year’s promotions. They are: Mark Holmes and Seb Savory to Professor. Peter Sloman, Liz Soilleux and Ronan Daly to Senior Lecturer.

…and in alphabetical order

Congratulations to Dr Mojtaba Abdi Jalebi (G14), who was awarded the Institute of Physics Semiconductor Physics Thesis Prize 2018.

Congratulations to Sally Angel (U79), and her production company Field Day Productions, on winning a BAFTA in the digital short form category for ‘Missed Call’. ‘Missed Call’ is the first film ever to be shot entirely on an iPhone X, and the first YouTube film to win a BAFTA.

Congratulations to Dr Edmund Birch (Fellow), who was awarded the Larry Schehr Memorial Award for the best early career presentation at the annual North American conference in Nineteenth-Century French Studies, for his paper, ‘Reading the News: Maupassant and Freud’.

Congratulations to Lady Julia Boyd (College supporter and wife of former Master, Sir John Boyd), who won the LA Times book prize for history for chronicling the Nazi party’s ascent to power in Travelers in the Third Reich: The Rise of Fascism 1919–1945, a project that relied on materials from the Archives Centre.

Congratulations to Professor Diane Coyle (Fellow), who received an honorary Doctor of Laws from Bristol University.

Congratulations to Owen Crawford (U&G15), who was one of only ten students nationwide to have been appointed as a Psych Star for 2019–20 in a new one-year scheme by the Royal College of Psychiatrists.

Congratulations to James D’Rozario (U13), who was recently shortlisted as one of eight national Future Leaders of the Year at the Tech Leaders Awards.
Congratulations to Dr Sonja Dunbar (Fellow), who was awarded a prestigious Pilkington Prize by the University. Pilkington Prizes were inaugurated in 1994 to acknowledge excellence in teaching and Sonja is the 14th Fellow of Churchill to receive one.

Congratulations to Professor Harri Englund (Professor in Social Anthropology) and Professor Andrew Webber (Professor of Modern German and Comparative Culture) – two Churchill Fellows – on being elected Members of the British Academy.

Congratulations to Dr Stephen Harden (U87), who was elected Medical Director of Education and Training in Clinical Radiology at the Royal College of Radiologists, following a national vote of the College fellows. This gives Stephen responsibility for Radiology training and education in the UK for the next three years.

Congratulations to Professor Oliver Hart (former Fellow), Andrew E. Furer Professor of Economics at Harvard since 1997 and winner of the Nobel Prize for Economics in 2016, who was made an Honorary Fellow.

Congratulations to Professor Dame Julia King (former Fellow), Vice-Chancellor of Aston University from 2006–16, who was made an Honorary Fellow.

Congratulations to Professor John Kinsella (Fellow), who was made Honorary Fellow of the Australian Academy of the Humanities, in recognition of his outstanding contribution to cultural life in Australia and the high regard in which he is held by peers in the humanities community.

Congratulations to Professor Matthew Kramer (Fellow), who had a workshop organised by former PhD students to mark his 60th birthday. Fourteen senior scholars and postdoctoral researchers from around the world presented papers that engaged with many areas of Kramer’s work in moral, political, and legal philosophy.

Congratulations to Dr Michele Linterman (Fellow), who was awarded a prestigious Lister Institute Research Prize Fellowship. The award, from the Lister Institute of Preventative Medicine, provides funding to support
researchers who are in the early stages of running their own research groups. Michelle’s lab investigates the immune response to vaccination and infection, especially where vaccine efficacy is poor, such as in older people.

**Congratulations to Megan McGregor** (U&G11), who won the national final of the IoM3 Young Persons’ Lecture competition. This year there were six finalists from regions across the UK, with Megan winning with her talk ‘World’s hottest superglue: Materials requirements for better sealing in jet engines’. Megan was also awarded £750 plus the Armourers and Brasiers’ Company Medal.

**Congratulations to Dr Elizabeth O’Day** (G06), who was made co-chair of the World Economic Forum’s biotechnology council. Elizabeth is the CEO and Founder of Olaris Therapeutics, a pharmaceutical company that develops precision medicines for diseases with little to no treatment options. She is also the Founder of Lizzard Fashion, an apparel company that uses fashion to promote science.

**Congratulations to Andrew Parker** (U80), Director General of the Security Service MI5, who was made a Knight Commander of the Order of the Bath for Public Service in the Queen’s Birthday Honours.

**Congratulations to John Parker** (U79), who was awarded the 2018 Milne Medal by the International Association of Bridge and Structural Engineers (IABSE). The medal is awarded annually to an individual engineer ‘for excellence in structural design, both in the overall concept and in the attention to detail in their work’.

**Congratulations to Alan Richardson** (U78), for having a new building named after him by a staff vote at Cambridge Consultants on the Science Park in recognition for his work on the Board of Directors, from 2002 until his retirement in 2018.

**Congratulations to Professor Dame Carol Robinson** (Honorary Fellow), who received the Royal Medal for her pioneering work on structural biology to improve the understanding of proteins, their interactions and functional regulation. The Royal Medals are one of the Royal Society’s premier awards and are made on behalf of the Queen each year.
Congratulations to Dr Michael Ruggiero (former Postdoctoral By-Fellow), who was listed in Forbes 30 under 30 for his work on the movements of atoms and molecules, and the impact of this on the properties of materials, which has potential applications in pharmaceuticals and other areas.

Congratulations to Professor Mark Smith (U81), Vice-Chancellor of Lancaster University, who was made a Commander of the Order of the British Empire, for Services to Research and Higher Education in the Queen’s Birthday Honours.

Congratulations to Professor Nicola Spaldin (U88), head of the Materials Theory Research Group at ETH Zurich since 2010 and laureate of the L’Oréal –UNESCO Awards for Women in Science 2017, who was made an Honorary Fellow.

Congratulations to Dr Roberto Svaldi (Fellow), who has been awarded a Marie Curie Fellowship to work on boundary and moduli problems in birational geometry at the École Polytechnique Fédérale de Lausanne (EPFL) in Switzerland and leaves Churchill in September.

And finally,

All our thanks to Gavin Bateman who retired from his post as Maintenance Manager in August after 12 years’ service in the College. Gavin and his wife, Sheila, have been active participants in the social life of the College, and often an ad-hoc photographer at key College events. During his time here Gavin, overseen by the former Bursar Jennifer Brook, has delivered a number of key projects for the College, including the renovation of the Wolfson Flats, Pinchin Riley House, the construction of Cowan Court and our new graduate housing along with the annual staircase refurbishment projects.
Members in the News

**Congratulations to Dr Lisa Jardine-Wright** (DoS in Physics, Tutor and Fellow at Churchill) who has been attributed together with Professor Mark Warner the **2019 Lawrence Bragg Medal and Prize** for jointly setting up and directing the Isaac Physics programme which has revolutionised physics education for teachers and students in an extraordinary number of UK schools and is now attracting international attention.

Since 2013 Lisa Jardine-Wright and Mark Warner have co-directed the Isaac Physics Project. This radical, mass-scale programme harnesses technology to help all students, especially those exposed to the national shortage of physics teachers with consequent social disadvantage in entering STEM at university. The 36% participation rate for women in Isaac compares with just 21% in A-level physics.

Students develop analysis and deep understanding of physics through problem solving – ideal preparation for STEM subjects at university. Teachers (>7,100) and 14–19 year-old students (>185,000) have by now freely accessed the Isaac Open Platform for Active Learning (OPAL). Currently more than 3600 schools participate, many with over 50 students registered. Progress of registered students is monitored, guided and encouraged on a highly interactive and individual basis, including live video tuition to students and teacher CPD each week. For teachers, Isaac sets, marks and reports homework, saving thousands of labour hours monthly – vital in teacher retention. About 120,000 Isaac books, uniquely featuring questions answered online that are marked with instant feedback on Isaac, have been distributed at cost (£1) to schools and individuals.

**Congratulations to Dr Priya Gopal** for her latest publication ‘Insurgent Empire: Anticolonial Resistance and British Dissent’. Insurgent Empire shows how Britain’s enslaved and colonial subjects were active agents in their own liberation. What is more, they shaped British ideas of freedom and emancipation back in the United Kingdom.

Priyamvada Gopal examines a century of dissent on the question of empire and shows how British critics of empire were influenced by rebellions and resistance in the colonies, from the West Indies and East Africa to Egypt and India. In
addition, a pivotal role in fomenting resistance was played by anticolonial campaigners based in London, right at the heart of empire.

Much has been written on how colonized peoples took up British and European ideas and turned them against empire when making claims to freedom and self-determination. *Insurgent Empire* sets the record straight in demonstrating that these people were much more than victims of imperialism or, subsequently, the passive beneficiaries of an enlightened British conscience — they were insurgents whose legacies shaped and benefited the nation that once oppressed them.

Robbie Shilliam from Johns Hopkins University writes:

‘An audacious, expansive and rigorously researched counter-history of empire. Rather than treat colonized humanity as victims or reactionaries, Gopal’s narrative discloses a cast of resisters that shaped the idea of freedom across Britain and its possessions.’

*Congratulations to John Kinsella*, poet and a Churchill Fellow, on his latest publication a re-writing of Milton’s *Samson Agonistes*. Below, Tim Cribb gives us his views.

**In the grooves of Academe**

Churchill is fortunate, in fact unique, among Colleges in having a *Poet Laureate – John Kinsella*. Although the Head Gardener, John Moore, has never been asked to supply laurels with which the Master might actually crown him, John has nonetheless performed the role at inaugurations, birthdays, commemorations, memorial services — marking beginnings,
endings and renewals with poems. Explorers of our grounds will even come across a poem pinned to the door of the orchid-house in one of our Storey’s Way gardens, so perhaps Poet Orchidate might be the more appropriate title (though that would be liable to mis-, if flattering, interpretation). He also projects our College into the literary milieux of the University, most recently through a rehearsed reading in the English Faculty of his latest publication, a re-writing of Milton’s *Samson Agonistes*, re-located to the contemporary Middle East. Milton’s is the kind of text that Tom Sawyer referred to as ‘interesting, but tough’ and the same goes for John’s version. It nonetheless attracted a full and attentive house, and there was even a follow-up workshop on how traditional English iambic pentameter must change to fit the rhythms of modern speech, altered as they are by the influx of terms from technology and science. Maybe that wreath should be in carbon fibre.

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**Congratulations to Professor Sir David Spiegelhalter** for the publication of his recent book *The Art of Statistics*. A best seller coming first in the Non-Fiction books at Foyles.

In *The Art of Statistics*, David Spiegelhalter guides the reader through the essential principles we need in order to derive knowledge from data. Drawing on real world problems to introduce conceptual issues, he shows us how statistics can help us determine the luckiest passenger on the Titanic, whether serial killer Harold Shipman could have been caught earlier, and if screening for ovarian cancer is beneficial (...).

Alan Smith (*FT* reviewer) writes: *The Art of Statistics* laced with oxymoronic appeal, is ambitiously intended for students of statistics and general readers. (...) Introductions to topics such as correlation, regression and probability successfully use real world stories to make their point without resorting to mathematical formulas (...).’ He goes on to say that ‘it is the book’s conceptual and philosophical focus that provides greatest value, especially to the serious student. It arrives at a time of existential crisis – for both the science of statistics itself as well as the broader use of data and evidence in public debate and decision-making.’ And
Smith concludes that ‘Spiegelhalter’s work serves as a reminder that there are passionate, self-aware statisticians who can argue eloquently that their discipline is needed now more than ever.’

In Nature (25 March 2019) Evelyn Lamb remarks that ‘David Spiegelhalter’s The Art of Statistics shines a light on how we can use the ever-growing deluge of data to improve our understanding of the world.’ Lamb then goes on to say that ‘The book does an admirable job of covering a great deal of ground in limited space.’

Congratulations to Professor Pierre Vanhove (French Fellow) for publishing two books Les imaginaires en géométrie (a translation from Russian into French of Pavel Florensky’s book in cooperation with François Lhoest, published in 2016) and Qu’est-ce que la gravité? (a collection of essays in cooperation with Etienne Klein and Philippe Brax)

www.zones-sensibles.org/pavel-florensky-les-imaginaires-en-geometrie/

Les imaginaires en géométrie is the first French translation of the book written by the polymath Pavel A. Florensky (1902 and 1921). In this book the author presents a holistic vision of the world unifying our world with the world of Platonic Ideas by combining mathematical ideas from singularity theory and physics of interfaces. The author presents an original interpretation of Einstein’s theory of relativity and promotes a medieval vision of the world following Aristoteles, Ptolemy and Dante. This book has been quite influential to many Russian writers. One can recognise its influence in Mikhail Bulgakov’s The White Guards and The Master and Margarita. This French translation has been done by François Lhoest and Pierre Vanhove, with a preface by Cédric Villani.
Qu’est-ce que la gravité? is a collection of essays under the direction of Etienne Klein, Philippe Brax and Pierre Vanhove

www.dunod.com/sciences-techniques/qu-est-ce-que-gravite-grand-defi-physique

Aristoteles, Newton and Einstein’s different understandings of the law of gravity, the way objects are falling, conditioned their different conceptions of the cosmos. Modern observations of our Universe from cosmological data to astrophysical phenomena bring an increasing knowledge of how gravity works in our observable universe.

In this book, in French, philosophers, historians of science, astrophysicists, cosmologists, and theoretical physicists present – in a language accessible to a large audience – the most update understanding of the law of gravity. The text presents various arguments from observational cosmology, astrophysics and theoretical physics why we need to go beyond Einstein’s Theory of Gravity. This book should be of interest to anyone who wants to know the motivations for the current explorations of this most important force in the universe.

Congratulations to Sir Diarmaid for his publication Thomas Cromwell:A Life (Allen Lane). Diarmaid MacCulloch was an undergraduate, postgraduate, and research fellow at Churchill, 1970–79; he is now Professor of History at Oxford. The Master of Magdalene and former Archbishop of Canterbury Rowan Williams writes in a recent book review.

‘MacCulloch’s brilliant book, a model of classical historical biography at its finest, gives us plenty of material for thinking about how to diagnose (and protect ourselves against) absolutisms.’
Congratulations to Churchill alumna poet Rosie Johnston for the publication of *Six-Count Jive* (Lapwing Publications 2019). Derek Sellen reviewing *Six-Count Jive* tells us:

‘How do you tell the story of a journey from a diagnosis of PTSD to a joyful state of recovery? There are probably as many answers as there are literary forms, from memoir to myth, but Rosie Johnston has found a way – or perhaps the way has found her – which in its rhythms and language powerfully embodies the changes of such a journey. Her solution is a long sequence of seventeen syllable stanzas, three to a group until the final page of four. The thirty sections express the helplessness, resistance, rage, calm, revival of the sufferer, and many other more difficult-to-name emotions and responses to her situation, from the start to the turning point to the end, if such a process can be said to have an end.’ And Stephen Claughton (London Grip), another reviewer, states that ‘*Six-Count Jive* is a brave and honest book, one which I hope will not only be enjoyed as poetry, but also give encouragement to women recovering from similar experiences.’
Introducing …

Andrew Webber, our new Vice-Master

Andrew Webber first joined Churchill in 1990, when he was appointed to a College Lectureship in German. He subsequently became a University Lecturer and is now Professor of Modern German and Comparative Culture in the Faculty of Modern and Medieval Languages. He has been a Director of Studies in MML at Churchill across that period. His research and teaching cover a wide range in the area of modern German and comparative textual and visual culture, and his publications include books on the Doppelgänger figure (though he doesn’t think he has one himself), the European Avant-garde, and Berlin in the twentieth century. His current interests include digital humanities, placing him nicely, as Vice-Master of Churchill, on a bridge between the ‘two cultures’. He looks forward to engaging with all parts of the College community, including its alumni, in his new role.

Ewan Campbell, Director of Music Making

My advanced musical training is as a composer completing a Masters with Robin Holloway in Cambridge and a PhD in KCL with George Benjamin. My latest orchestral piece *Frail Skies* has been recorded by the London Symphony Orchestra, while soloists Thomas Gould and Clare Hammond regularly tour my works.

Some of my composing examines how musical telos can be manipulated to alter the chronological structure of a work. I present 2-dimensional maps of fully notated musical fragments in a ‘cartographic score’ which performers interpret by navigating a self-determined ‘path’. Recently I’ve explored composing onto pre-existing maps (e.g. the London Tube map), and I have an ongoing partnership with Ordnance Survey to
write onto topographical maps. I’m grateful to Fellows Alison Ming and Barry Phipps for potential collaborations with the British Antarctic Survey and the Isaac Newton Institute.

During my early training as a performer I always had a voracious appetite for any musical genre, and I continue to work with disparate musical styles. Since 2013 I have taken an orchestra, big band and choir to the Wilderness Festival to perform outdoors to audiences of over 5,000. We specialise in presenting my adaptations of popular music such as Radiohead, Bowie and Nina Simone, working with artists including Charlotte Church, Laura Mvula and beatboxer Shlomo.

I believe Churchill is well set up to attract musical students. We provide strong support opportunities for musicians, and hold the best recording facilities in Cambridge. I feel at home in this pedagogically and culturally progressive College. I’ve instigated a rule that each Friday recital should feature at least one work younger than the College, resulting in more repertoire from student composers. I am delighted to inherit the Inter Alios choir, and intend to maintain its dual-College membership, and build upon the diversity of the unique Humanist Happenings.

**Tim Ellis, Churchill Counsellor**

I am delighted to be working at Churchill as the College Counsellor. I started in September taking over from Veronica McDouall who retired at the end of 2018 after being the Counsellor here for many years. I still feel I am getting my feet under the desk: most of the ducks have been here longer than I have.

I previously worked for several years as a Counsellor at the University Counselling Service. As well as seeing students individually, I ran counselling groups on topics such as Loss of a Parent and Compassion Focused Therapy, which is an area of particular interest to me. I now also work for the NHS and as a private psychotherapist.

My core College work is seeing individual students and staff members. I value working with students because of their capacity, often, for quick understanding.
and change. It can also be a privilege to work with people for an extended time as they seek to resolve longer standing issues. I also appreciate the diversity of working with staff members at different life stages.

I think nearly of us would benefit from understanding more about how our brains and emotions work. Where there is the opportunity, I hope to promote this in College by providing workshops or by facilitating external speakers.

Before training as a therapist, I worked as a radio producer in New Zealand. I particularly liked conducting long interviews with guests, where, as with counselling, listening is an important component. A long time back, I also worked in PR and earned a bit of money in improvised comedy. Currently, outside of work, I have a 12-year-old daughter, so I specialize in being embarrassing to her.

**Richard Buttrey, Client Director at the Møller Institute**

I was delighted to take up the role of Client Director at the Møller Institute, Churchill College, in September 2017. I work with businesses focusing on transformation, particularly around leadership, strategy and innovation. My job is to bring the extra-ordinary convening power of the Institute, the College, the University of Cambridge University and industry to bear to deliver the right, bespoke development programmes for senior and high-potential leaders.

Technology and innovation have been consistent themes in my career having studied physics as an undergraduate at Hertford College (Oxford), later worked in cyber security and at the Government Digital Service (GDS) – which built the gov.uk platform as well as popular online services like ‘register to vote’ and online passport applications/renewals. Previously, in India, I spearheaded negotiation on scientific collaboration in nuclear research, leading to several million pounds of bilateral funding on the Thorium fuel cycle and other safety and material science topics.

Up to 2015 I worked in the British Embassy in Tokyo supporting a diverse range of British companies seeking to break into the Japanese market by providing market intelligence, identifying and introducing partners, lobbying
regulators and facilitating deals. I am delighted to have been able to use some of my connections to win business for the Møller Institute and thereby make a contribution to Churchill College. In 2018/19, the Institute worked with Suntory, one of Japan and the world’s largest alcohol and beverage companies (owner of domestic brands like Yamazaki and Hakushu whiskies as well as an overseas portfolio including Ribena, Lucozade, Orangina and Jim Beam).

I hope in 2019/2020 to expand our work in Japan and elsewhere worldwide with more and larger scale contracts that will help support the development activities of the College.

**Louise Ranger, Tutorial Administrator**

Having lived, studied and worked in Sussex all my life, I unexpectedly found myself moving to Cambridgeshire eighteen months ago. I had never visited Cambridge before, wasn’t sure what to expect, but it has completely won me over. When I moved here, I had worked at the University of Brighton for over 10 years in various Student Support roles. I love working in Higher Education, and was very keen to stay in this kind of environment.

Competition for permanent Cambridge University jobs is high, so I started off in a temporary post as a Graduate Assistant at the Department of Zoology. It was a fantastic job and gave me a really good grounding in how the University works, as it really is unique. I even got to see David Attenborough when he re-opened the Zoology Museum, what a privilege, as he is a complete hero of mine!

I have now been working in the Tutorial Office at Churchill for almost a year, and I feel very lucky and happy to be here. Away from work I spend a lot of time outdoors with my dogs and horses, and in the past, I have had pet llamas and chickens, and I also used to volunteer as a helper at a llama trekking company. In addition to the job I do here, I am also a qualified counsellor with a specialism in Ecotherapy and Equine Assisted Therapy, subjects I have written about and have great enthusiasm for.
New Fellows 2018–2019

Dr Maria Bruna
Title A (Official Light-Load) Fellow

Maria Bruna is a Royal Society University Research Fellow at the Department of Applied Mathematics and Theoretical Physics. She obtained undergraduate degrees from the UPC (Universitat Politècnica de Catalunya, Barcelona) in both Mathematics and Industrial Engineering in 2008 and a DPhil in Applied Mathematics from the University of Oxford in 2012. She is interested in stochastic modelling, asymptotic methods and homogenisation techniques in the areas of mathematical biology and industrial mathematics. Her research focuses on methods to capture multiscale phenomena of many-particle systems.

Dr Bruna was the first U.K. mathematician to be awarded a L’Oréal-UNESCO Women in Science Fellowship in 2016, as well as the recipient of the Women of the Future in Science prize.

Professor Manish Chhowalla
Title C (Professorial Fellow)

Manish Chhowalla is the Goldsmiths’ Professor of Materials Science. His research interests are in the fundamental studies of atomically thin two-dimensional transition metal dichalcogenides (TMDs). In particular, his group studies the optical and electronic properties of different phases of 2D TMDs. He has demonstrated that it is possible to induce phase transformations in atomically thin materials and utilize phases with disparate properties for field effect transistors, catalysis, and energy storage.

Prior to Cambridge, Prof. Chhowalla was a Distinguished Professor at Rutgers University in New Jersey, USA. Before that, he was a doctoral student in the Electrical Engineering Department at the University of Cambridge and Churchill College. After his doctorate and Royal Academy of Engineering Postdoctoral Fellowship, Professor Chhowalla worked in industry where he developed applications for ‘amorphous diamond’.
Dr Patrick Clibbens
Title A (Official) Fellow

Patrick Clibbens is a Teaching Associate at the Department of Politics and International Studies (POLIS) and the Centre of South Asian Studies, where he teaches the politics and history of South Asia and its diaspora. He also teaches history at Churchill College. He received his PhD from the University of Cambridge for a dissertation on ‘The Indian Emergency, 1975–77’. He was previously Mary Somerville Junior Research Fellow in History at Somerville College, Oxford and a Teaching Associate in the Faculty of History in Cambridge.

Patrick’s research interests centre on the political and intellectual history of India and its diaspora since Independence. He is completing a book manuscript examining the Indian Emergency of 1975–77. He is currently researching the institutional production of ‘public opinion’ and the concepts of the public held by policymakers in India, with the aim of understanding how these ideas have shaped India’s complex political landscape.

Dr Sonja Dunbar
Title A (Official) Fellow

Sonja studied for a BA in Natural Sciences at Downing College, Cambridge, graduating in 2010 with a specialism in Plant Sciences. Following an MRes in Biochemical Research at Imperial College London, Sonja returned to Cambridge to undertake a PhD in the Department of Pharmacology under the supervision of Dr Laura Itzhaki. Her PhD investigated the intrinsically disordered protein binding partners of beta-catenin using biophysical methods.

Returning to her plant science roots, she has taught Part IB Plant and Microbial Sciences since her return to Cambridge in 2012 and now works in the Department of Plant Sciences creating teaching resources. She also contributes to the teaching of the plant sciences elements at IA for Churchill.
**Professor Máté Lengyel**  
*Title C (Professorial Fellow)*

Máté Lengyel is Professor of Computational Neuroscience at the Department of Engineering, University of Cambridge, and a Senior Research Fellow at the Department of Cognitive Science, Central European University. He obtained an MSc in Cell, Development and Neurobiology and a PhD in Behavioural Neuroscience at Eötvös Loránd University, Budapest, followed by a post-doctoral research fellowship at the Gatsby Computational Neuroscience Unit, UCL, and a visiting research fellowship at the Collegium Budapest Institute for Advanced Study.

His interests span a broad range of levels of nervous system organisation, from sub-cellular and cellular through circuit and systems to behaviour and cognition. He studies these phenomena from computational, algorithmic/representational and neurobiological viewpoints. Computationally and algorithmically, he uses ideas from Bayesian approaches to statistical inference and reinforcement learning to characterise the goals and mechanisms of learning in terms of normative principles and behavioural results. He performs dynamical systems analyses of reduced biophysical models to understand the mapping of these mechanisms into cellular and network models.

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**Dr Shyeh Tjing Loi**  
*Title B (Junior) Research Fellow*

Cleo (Shyeh Tjing) Loi is a researcher in astrophysical fluid dynamics at DAMTP, Cambridge. She is currently at Corpus Christi College completing a PhD under the supervision of Professor John Papaloizou in the area of magnetic fields and stellar oscillations. Cleo’s research aims to uncover and understand the physical processes occurring deep inside stellar interiors, some of which produce observable signatures in the emitted light. This technique of studying the internal properties of stars underpins the fascinating field of asteroseismology, which has been rapidly expanding over the last decade.

Prior to her PhD studies, Cleo had previously published in several other fields, including solar physics, radio astronomy and brain dynamics, as part of
research carried out during her undergraduate years at Sydney University, Australia. She graduated in 2015 with a Bachelor of Advanced Science (Hons I), majoring in Physics and Mathematics. Notable collaborations include working with Associate Professor Tara Murphy and Professor Iver Cairns on the discovery of ‘plasma tubes’ using the Murchison Widefield Array radio telescope, conducted as part of her Masters-level research in 2014.

**Professor Giovanna Mallucci**
Title C (Professorial Fellow)

Giovanna Mallucci is Associate Director of the UK Dementia Research Institute (UK DRI) at the University of Cambridge and van Geest Professor of Clinical Neurosciences. Her undergraduate degrees were in Physiological Sciences from the University of Oxford and Medicine from University College, London. She obtained her PhD from London University, for which she generated the way to her discoveries about reversibility of early neurodegeneration and underlying mechanisms. Since her PhD, she has combined clinical work and basic research and led groups in the MRC Prion Unit (2001–08) and the MRC Toxicology Unit (2008–18), before moving to Cambridge in 2014. She has been a professor of neuroscience since 2008.

She has published original research in *Nature*, *Science*, *Neuron*, *EMBO Journal* and *Science Translational Medicine*, inter alia. She is an internationally recognised pioneer in translational dementia research: her work on the role of the UPR in neurodegeneration was hailed as a turning point in the search for medicines to control and prevent Alzheimer’s.

She is Honorary Consultant Neurologist at Addenbrooke’s Hospital, specialising in Dementia. She has received numerous national and international awards, including a SciAm50 award for leadership in research as one of the top 50 scientific innovators worldwide. She is an ERC Consolidator Fellow. In 2017, she was elected Fellow of the Academy of Medical Sciences.
Dr Beatriz Marin-Aguilera
Title B (Junior) Research Fellow

Beatriz Marín-Aguilera is an archaeologist specialised in colonialism, borderlands, cultural contact, and body politics. She is trained in history and archaeology at the Universidad Complutense de Madrid, Glasgow University, the Spanish School of History and Archaeology in Rome, and Brown University. Her research addresses the establishment and development of imperial frontiers from a material culture perspective, particularly in the western Mediterranean in antiquity, in medieval Eritrea and Ethiopia, and in colonial Chile. She is especially interested in how the articulations of difference, expressions of political resistance, and hybrid practices were embodied and staged in colonial and imperial boundaries, and how this can help us understand borderlands today. Beatriz currently co-directs fieldwork in Chile, and collaborates with international teams in Italy, Spain and Ethiopia.

Dr Alison Ming
Title A (Official) Fellow

As the atmosphere thins out into space with increasing altitude, one encounters five distinct layers bounded by ‘pauses’ at which significant changes in thermal characteristics, chemical composition and dynamical properties occur. The weather we experience happens in the lowermost layer, the troposphere. Above this, ozone is abundant and water vapour concentrations are low in the layer known as the stratosphere. Although at first sight the stratosphere appears quiescent compared to the troposphere, it is home to a slow but persistent circulation, the Brewer-Dobson circulation that transports air from over the tropical troposphere to the poles over the course of decades. In recent years, it has become increasingly clear that the stratosphere plays a key role in influencing the troposphere. Ming’s research focuses on better understanding the mechanisms driving the different processes in the stratosphere as well as the interactions between them.
Dr Eddie Powell  
Benefactor Fellow

After finishing his PhD (inorganic chemistry), Eddie trained in London with KPMG to be an accountant. Moving out of the profession in 1978 he had 2 years in Frankfurt followed by 8 years as finance director of a Marconi company subsidiary of Arnold Weinstock’s GEC and then 10 years as group finance director of a light engineering group based in Havant. In 2000 he was fortunate enough to join a very small (6 people) start-up in Cambridge (Abcam), giving him the opportunity to return to the city. The entrepreneurs who founded the company were brilliant and Abcam grew rapidly, such that Eddie had the experience of leading its floatation on the London AIM stock market. Eddie retired in 2007 and has since then been involved in several start-up companies in Cambridge, as well as being involved in the rowing community. In 2011 he established a scholarship at Churchill to give Palestinian graduates the opportunity to study for a Masters degree at Cambridge. He and his wife Ruth consider themselves fortunate to have been able to travel all over the world over the past 10 years.

Dr Aditi Surie von Czechowski  
Title B (Junior) Research Fellow

Aditi Surie von Czechowski received her PhD from the Department of Middle East, South Asian, and African Studies at Columbia University. She works at the intersection of the anthropology of development and humanitarianism, human rights, and black feminist theory. Her research focuses on the broad question of what it means to deploy human rights as a desirable universal ideology. Her current book project, entitled Being Human: Humanitarian Confinement, Refugee Bodies, and Human Rights, examines the changing politics of contemporary humanitarian aid. Other research interests include the anthropology of technology, biometrics, and data science.
Overseas Fellows 2018–19

**Professor Thomas Bénatouïl**  
Title F (Overseas) French Government Fellow, January – July 2019

Thomas Bénatouïl is Professor of Ancient Philosophy at the Université of Lille (France). He studied philosophy and sociology in Paris at Ecole Normale Supérieure and Ecole des Hautes Etudes en Sciences Sociales and earned his PhD at Université Paris Est-Créteil in 2002.

His research focuses on ancient philosophy and its contemporary reception, with two areas of interest: Hellenistic and Imperial Philosophy, especially Stoicism (on which he published two books) and the ancient debate about ways of life. He will soon be publishing a book on Plato’s invention and defence (in the *Theaetetus*) of a model of life devoted to knowledge, and he recently co-edited a book on *Dialectic after Plato and Aristotle* (CUP, 2018).

While in Cambridge, he was a Visiting Fellow at the Faculty of Classics and conducted research on the ancient notion of ‘system’ and on the history of the Academy from the immediate successors of Plato to Cicero.

**Professor Myriam Boussahba-Bravard**  
Title F (Overseas) French Government Fellow, January – June 2019

Myriam Boussahba-Bravard is Professor in British History at the Université Paris Diderot (Paris 7) in the British & American studies faculty. She lectures in 19th century British history, especially gender history. Her scholarly interests lie in the area of British and international feminism. She edited a volume, *Suffrage Outside Suffragism. Women’s Vote in Britain, 1880–1914* (Palgrave Macmillan, 2007), as well as a special issue of the French journal, *Genre & Histoire* (2014), which she co-edited on the topic of women’s political writings. She was the historical consultant for a much remarked upon documentary, ‘Les suffragettes: ni paillassons ni prostituées’ by Michèle Dominici, first issued on French TV in 2012.
Recently, she has worked on the feminist congresses held alongside international exhibitions. Her recent publication, ‘L’autopromotion des femmes à la Foire internationale de Chicago (1893)’, Relations internationales 164 (Paris: PUF, 2016), examines how British and American female national delegations structured before the Fair and how this contributed to a women’s internationalism in the making. She has co-edited with Rebecca Rogers Women in International Exhibitions 1876–1937 (New York & London: Routledge, 2017). She has co-authored the groundbreaking L’Europe des femmes XVIII-XXIe siècle (Paris: Perrin, 2017) as a scholarly collaboration between the EHNE research project and the association Mnémosyne of which she has been a board member for 8 years, in charge of international development. She has been re-elected in 2017 on the EPWS Executive Board (European Platform of Women Scientists).

Professor Marcia Collaer
Title F (Overseas) Fellow, October 2018 – September 2019

Marcia Collaer is the A. Barton Hepburn Professor of Psychology and an affiliate of the Neuroscience Program at Middlebury College in Vermont (US). She earned a PhD in Psychology (specialisation in Behavioural Neuroscience) from the University of California, Los Angeles (UCLA), as well as an earlier Masters of Science in Electrical and Computer Engineering from the University of Arizona, and a Masters degree in School Psychology from the University of South Carolina. She was a Churchill College By-Fellow during the Lent and Easter terms of 2013.

Her research focuses on the origins of sex and individual differences in cognition and behaviour, particularly in relation to hormonal and social factors and their potential interactions. Her experience as a (somewhat rare) female student in a graduate engineering program doubtless spurred some of her research interests in gender issues, and these were fostered during her graduate work at UCLA where her research was supervised by Professor Melissa Hines, currently of Churchill College. Marcia was pleased to have collaborated with Professor Hines again during her year as an Overseas Fellow with the goal of investigating sexually differentiated neurobehavioral development in rare endocrine populations.
**Professor David Holcman**  
Title F (Overseas) Fellow, July – August 2019

David Holcman is an Applied Mathematician working at ENS in Paris. He develops models, asymptotic and computational methods to analyse large data sets related to neuroscience (synaptic transmission, neuronal network and EEG). He has developed with Zeev Schuss the Small Hole Theory, to study the arrival of a random particle to a small window, and methods to extract features from Superresolution data.

David Holcman was also an Overseas French Government Fellow at Churchill College in 2015–16.

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**Dr Patrick Peter**  
Title F (Overseas) French Government Fellow, September 2018 – June 2019

Dr Peter is an Overseas Fellow at DAMTP, Department of Applied Mathematics and Theoretical Physics, working in the Cosmology group where he held a post-doctoral position in 1993–94. Working at CNRS since then, he has been the head of the Gravitation and Cosmology (GReCO) group at the Institute of Astrophysics in Paris for many years and is now Deputy Director of the Lagrange Institute. With J.-P. Uzan, he is the author of a well-known textbook on primordial cosmology.

Dr Peter works at the frontier between quantum mechanics, particle physics and cosmology. He investigated the structure of topological defects, and the non-singular bouncing alternatives to inflation models. While in Cambridge, his research focussed on the gravitational radiation of a network of cosmic strings formed during a high-temperature phase transition in the early Universe; the goal is to predict the characteristic features of the stochastic background due to this source in order to constrain the grand unified particle physics theories predicting them.
Julian Schroeder pioneered the identification and characterisation of plasma membrane ion channels in higher plants. He characterised and identified their functions and regulation mechanisms, in particular in stomatal guard cell signal transduction and abiotic stress resistance. He has identified mechanisms and pathways through which plants can reduce water loss during drought and protect themselves from abiotic environmental stress, via the plant ‘stress’ hormone abscisic acid. He has further characterized mechanisms through which plants are responding to the continuing elevation in atmospheric CO₂ by closing their stomatal pores, which plays an important role in determining the water use efficiency of plants. His laboratory also identified and characterised the plant HKT transporters and identified how HKT transporters protect plants from salinity/sodium stress, a growing problem in agriculture globally.

Julian Schroeder is Novartis Chair and Distinguished Professor at UCSD. He completed his PhD research at the Max Planck Institute for Biophysical Chemistry in Göttingen, Germany with Nobel laureate Erwin Neher. He is an elected member of the US National Academy of Sciences (2015), the German National Academy of Sciences Leopoldina (2017) and Fellow of the American Association for the Advancement of Science (2006). He has received awards, including the Presidential Young Investigator Award (NSF), the ASPB Charles Albert Shull Award (1997), a DFG Heinz-Maier-Leibnitz Prize, the Blasker Award in Environmental Science, the Cozzarelli Prize from PNAS (2011), International Khalifa Award for Agricultural Innovation and Date Palm Research (2019) and was a CAS International Visiting Professor (2009).

Dr. Masataka Watanabe was born in 1947 in Nagoya, Japan. He is now a Scientific Fellow of Tokyo Metropolitan Institute of Medical Science. He received his BA, MA and PhD in Psychology from the University of Tokyo. He was an instructor of Psychology at the Department of Psychology, University of Tokyo in 1978–85 and an
associate professor of Psychology at Tokyo Engineering University in 1986–90. In 1991, he moved to Tokyo Metropolitan Institute of Medical Science as a Principal Investigator. He has been involved in investigating brain mechanisms of higher cognitive and motivational behaviour by recording brain activity from the prefrontal cortex of the task-performing monkey. He has also been involved in PET and microdialysis studies on monkeys to investigate neurochemical mechanisms of higher cognitive activity. His recent interest is also concerned with default mode of brain activity observed during the resting state.
Who’s Who in Churchill College

This is the list of Fellows as it was on 1 October 2018; also included are Fellows and By-Fellows who joined the College in the course of the academic year 2018–19.

Fellowship Categories: Fellows and By-Fellows

Honorary Fellows: honorific positions bestowed on outstanding figures who have normally had a prior connection with the College; Benefactor Fellows: a title bestowed by the Governing Body on major donors to the College; Title A (Official): our main teaching Fellows and senior College Officers; Title B (Research): Junior Research Fellows are early career researchers, usually immediately post-doctoral; Senior Research Fellows are well established researchers, usually with positions in the University or associated institutes; Title C (Professoral): holders of a Cambridge University Chair (but professors who opt to continue with a teaching stint may remain in Title A); Title D: (Emeritus/Emerita): Fellows who have retired from their University position; Title E (Extraordinary): academics or other persons of distinction whom the College wishes to include in its number but who may not be resident in Cambridge; Title F: (Overseas) Fellows staying in Churchill as academic visitors and normally collaborating with Churchill Fellows in the same subject, for periods ranging from a term to a year; Title G (Supernumerary): those who do not belong to any of the above categories but who are performing an important function in the College.

Teaching By-Fellows: assisting in specific areas of teaching need (usually post-doctoral status; may also be Fellows of another College); Academic By-Fellows: visiting researchers nominated by the Archives Centre or by a Fellow of the College; Professional and Møller By-Fellows: having professional links particularly relevant to Churchill; Staff By-Fellows: non-academic staff members with senior managerial positions in the College; Postdoctoral By-Fellows: drawn from the University’s 3500-strong post-doctoral community.

Master
Donald, Professor Dame Athene, DBE, FRS  Theoretical Physics

Honorary Fellows
Gurdon, Professor Sir John, D.Phil, DSc, FRS  E73–75; C83–95; H07  Developmental and Stem Cell Biology
Ndebele, Professor Njabulu, MA, LLD (Hon) G73; H07 Literature
Green, Professor Michael, MA, PhD, FRS U64; H10 Mathematics
Holmes, Professor Richard, MA, FBA, FRSL, OBE U64; H10 Biographer
Nurse, Sir Paul M, PhD, FRSA, FEng H10 Microbiology
Robinson, Professor Dame Carol, DBE, PhD, FRS B(SRF)03–4; C04–09; H12 Chemistry
Soyinka, Professor Wole F74; H12 Literature
Vargas Llosa, Dr J Mario P, PhD, DLitt F77–78; H12 Literature
Churchill, Mr Randolph H15 Great-grandson of Sir Winston
Sales, Rt Hon Lord Justice Philip, QC U80; H15 Lord Justice of Appeal
Uggla, Mrs Ane Maersk McKinney H15 Møller Foundation
Blackburn, Professor Simon, PhD, FBA G83; A89–93; H17 Philosophy
Bradley, Professor Donal, PhD, CBE, FRS, FInstP, FIET, FRSA G83; A89–93; H17 Physics
De Grey, Professor Spencer, CBE, PhD, RIBA, RA H17 Architecture
Jacobus, Professor Mary, PhD, FBA, CBE C00–11; H17 Literature
Mairs, Professor Christopher, CBE, FEng H17 Architecture
Mullins, Mr William, FRIBA H17 Architecture
Nelson, Professor Jennifer, PhD, FRS U80; H17 Physics
Stroustrup, Professor Bjarne, PhD FI2; H17 Computer Science
Thouless, Professor David J, PhD, FRS A61–65; H17 Physics
Hart, Professor Oliver, MA, PhD, FBA A75–81; H18 Economics
Brown of Cambridge, Baroness, CBE, DBE, PhD, FRS, FEng A87–94; E02–17; H18 Materials Science and Engineering
Spaldin, Professor Nicola, PhD, FRS U88; H18 Materials Science

**Benefactor Fellows**

Cowan, Mr Michael, MA, FCISI U70; Benefactor 10 Investment Adviser
Lock, Mr Gregory, MA, FRSA U66; Benefactor 15 Chairman, Non-Executive Director
Wild, Dr Anthony, MA, PhD G68; Benefactor 15 Investor and Mentor
Luckevich, Ms Lydia Benefactor 16 Widow of Don Pinchin (G73)
Powell, Dr Eddie, PhD Benefactor 19 Law

**Fellows in Order of Precedence**

Siddle, Professor K, MA, PhD G Vice-Master; Biochemistry
Newbery, Professor D M G, MA, PhD, SCD, FBA, CBE D President of the SCR; Economics
Broers, Rt Hon Lord Alec, PhD, ScD, FRS, FEng D Microelectronics
Boyd, Sir John, MA, KCMG D Modern Languages
Wallace, Professor Sir David, CBE, PhD, FRS, FEng D Theoretical Physics
Livesley, Dr R K, MA, PhD D Engineering
Howie, Professor A, PhD, CBE, FRS D Physics
Hewish, Professor A, MA, PhD, ScD, FRS D Radio Astronomy
Steiner, Professor G, PhD, FBA D Comparative Literature
Brunton, Dr J H, PhD D Engineering
Dixon, Dr W G, MA, PhD D Applied Mathematics
Schofield, Professor A N, MA, PhD, FRS, FRS, FEng D Engineering
Craig, Professor E J, MA, PhD, FBA D Philosophy
Westwood, Dr B A, MA, PhD D Computer Science
Whittle, Professor P, MA, PhD, FRS D Mathematics
Tristram, Dr A G, MA, PhD D Pure Mathematics
Palmer, Professor A C, MA, PhD, FRS, FRENG D Petroleum Engineering
Thompson, Professor J G, MA, PhD, FRS D Pure Mathematics
Squire, Dr L C, MA, SCD D Aerodynamics
Hoskin, Dr MA, PhD D Pre-History
Abrahams, Dr R G, MA, PhD D Social Anthropology
Cribb, Mr T J L, MA D English
George, Mr H, MA, CMG, OBE D Bursar 1971–90
Finch, Professor A M, MA, PhD D French
Findlay, Dr A L R, MA, PhD, VetMB D Physiology
Gough, Professor D O, MA, PhD, FRS D Astrophysics
Echenique, Prof M, OBE, MA, DArch, ScD, RTPI, RIBA D Architecture
Warren, Dr S G, MA, PhD D Organic Chemistry
Ryall, Dr R W, MA, PhD D Pharmacology
Fraser, Dr C, MA, PhD D Social Psychology
Gaskell, Dr P H, MA, PhD D Physics
Barnett, C B, MA, CBE, DSc, FRHistS, FRSL, FRSA D Military History
Wood, Mr H B, MA D Music
Milne, Professor W I, MA, FREng D Engineering
King, Dr F H, MA, PhD D Computer Science
Goldie, Professor M A, MA, PhD D History
Bolton, Professor M D, MA, PhD, FREng D Engineering
Ashburner, Professor M, MA, PhD, ScD, FRS D Genetics
Mascie-Taylor, Professor C G N, MA, PhD, ScD D Biological Anthropology
Hurst, Mr H R, MA D Classical Archaeology
Dawes, Professor W N, MA, PhD C Engineering
Green, Dr D A, MA, PhD A Physics/Radio Astronomy
Allen, Mr M J, MA, OBE D English; Bursar 1990–98
Gregory, Professor Sir Michael, MA, PhD, CBE, FREng D Manufacturing/Management
Norris, Professor J R, DPhil C Mathematics
Amaratunga, Professor G A J, PhD, FREng C Engineering
Knowles, Dr K M, MA, PhD A Materials Science
Walters, Dr D E, MA, PhD D Statistical Consultancy
Webber, Professor A J, PhD, FBA A MML – German
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<tr>
<th>Name</th>
<th>Degree(s)</th>
<th>Department</th>
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<tbody>
<tr>
<td>Chatterjee, Professor</td>
<td>V K K, MA, FRS, FMedSci, FRCP</td>
<td>C Pathology</td>
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<tr>
<td>Laughlin, Professor</td>
<td>S B, MA, PhD, FRS</td>
<td>D Neurobiology</td>
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<td>Crisp, Dr A J, MA, MB, BChir, MD, FRCP</td>
<td>D Clinical Medicine</td>
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<td>Kramer, Professor M H, PhD, LL, FBA</td>
<td>A Law</td>
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<td>King, Mrs A N, MA, FRSA</td>
<td>D Linguistics</td>
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<td>Brendon, Dr P, MA, PhD, FRSL</td>
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<td>O’Kane, Dr C J, MA, PhD</td>
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<td>Robertson, Professor J, MA, PhD, FIEE</td>
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<td>Boksenberg, Professor A, MA, PhD, FRS, CBE</td>
<td>D Astronomy</td>
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<td>Kinsella, Professor J, MA, PhD</td>
<td>E Poet</td>
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<td>Brook, Mrs J M, MA, MBA</td>
<td>D Bursar 1999–2017</td>
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<td>Kraft, Professor M, MA, Dr. rer. Nat, ScD</td>
<td>C Chemical Engineering</td>
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<td>DeMarrais, Dr E, PhD</td>
<td>A Archaeology</td>
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<td>Van Houten, Dr P, MA, PhD</td>
<td>A Politics</td>
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<td>Tout, Professor C A, MA, PhD</td>
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<td>Gopal, Dr P, MA, PhD</td>
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<td>Webb, Professor A, PhD</td>
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<td>Harris, Professor P A, LLM, PhD</td>
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<td>Kendall, Miss M, MA</td>
<td>D Librarian 1984–2015; Tutor</td>
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<td>Packwood, Mr A G, MPhil, FRHistS, OBE</td>
<td>A Director, Churchill Archives Centre</td>
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<td>Thornton, Professor Dame Janet, PhD, CBE, FRS, DBE</td>
<td>E Computational Biology</td>
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<td>Hicks, Dr C M, MA, PhD</td>
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<td>Fawcett, Dr J, MA, PhD</td>
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<td>A Geography</td>
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<td>Ludlam, Dr J J, MA, PhD</td>
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<td>Mathematical Biology; Tutor</td>
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<td>Taylor, Dr A W, MA, PhD</td>
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<td>Sunikka-Blank, Dr M M, PhD</td>
<td>A</td>
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<td>Boss, Dr S R, PhD</td>
<td>A</td>
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<td>Liang, Dr D, PhD</td>
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<td>Ralph, Professor D, PhD</td>
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<td>Goldstein, Professor R E, PhD, FRS</td>
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<td>McEniery, Dr C M, PhD</td>
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<td>Spiegelhalter, Professor D J, PhD, OBE, FRS</td>
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<td>History; Senior Tutor</td>
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<td>Partington, Mr R J, MA</td>
<td>A</td>
<td>Mathematics; Admissions Tutor</td>
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<td>Russell, Dr P, PhD</td>
<td>A</td>
<td>Curator of Works of Art; Advanced Student Tutor and Tutor</td>
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<td>Knight, Mr N V, MSc</td>
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<td>Economics; Tutor</td>
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<td>Frayling, Professor Sir Christopher, MA, PhD</td>
<td>E</td>
<td>Historian, Critic and Broadcaster</td>
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<td>Leader-Williams, Prof N, PhD, ScD, MRCVS</td>
<td>C</td>
<td>Geography</td>
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<td>Linterman, Dr M A, PhD</td>
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<td>Denault, Dr L T, PhD</td>
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<td>Monson, Dr R E, PhD</td>
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<td>Ron, Professor D, MD, FRS, FMedSci,</td>
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<td>Durbin, Dr R M, PhD</td>
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<td>Human Genetics</td>
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<td>Secrett, Mrs G, BSc, CDIR</td>
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<td>Stott, Dr K M, MA, PhD</td>
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<td>Curry, Dr H A, MA, MPhil, PhD</td>
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<td>Davies, Dr N S, PhD</td>
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<td>Akroyd, Dr J W J, MA, MEng, PhD</td>
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<td>Gagne, Dr C A, MA, MPhil, PhD</td>
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<td>Hasan, Dr T, MEng, PhD</td>
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<td>Toner, Dr J P, PhD</td>
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<td>Mei, Professor J, MSc, PhD</td>
<td>B (SRF)</td>
<td>Historical Metallurgy &amp; Materials</td>
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<td>Anderson, Professor R J, PhD, FRS, FREng</td>
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<td>Computer Science</td>
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<td>Veterinary Medicine; Tutor</td>
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</table>
Moya, Dr X, PhD
Onatski, Professor A, PhD
Rees, Dr E J, MA, MSci, PhD
Surtees, Mrs S J B, MA
Oates, Mr T, MA, CBE
Holcman, Prof D, PhD
Ali, Dr J M, MA, MB, BChir, MA (Med Ed), FHEA, PhD, MRCS
Daly, Dr R, PhD
Minshall, Dr T H W, PhD

Savory, Dr S, PhD
Sloman, Dr P, PhD
Svaldi, Dr R, PhD
Young, Dr A, PhD
Kim, Professor J M, PhD
Wilkinson, Dr T, PhD
Birch, Dr E, PhD
Paddison, Dr J, DPhil
Piffer, Dr T, PhD

Teichmann, Dr S, PhD
van der Linden, Dr S, PhD, FRSA
James, Mrs T M, LLB
Loewe, Professor B, PhD
Malaree, Mrs F A, MA
Farmelo, Dr G, PhD
Braithwaite, Dr C H, PhD
Grant, Dr A M, PhD
Qian Dr W, PhD
Reddy, Dr B V, MA, LLM
Stanley-Marbell, Dr P, PhD
Padley, Dr J P H, MA, PhD

Coyle, Professor D, CBE, PhD, FAcSS
Loewenstein, Dr Y P, PhD
Cox, Dr S J, MSci, PhD
Collaer, Professor M L, MA, MS, PhD
Chhowalla, Prof M, PhD, FInstP, FRSC
Clibbens, Dr P H M, MPhil, PhD
Dunbar, Dr S, PhD
Lengyel, Prof M, MSc, PhD
Loi, Ms S T, BSc

B (SRF) Materials Science
A Economics
A Chemical Engineering
A Domestic Bursar
A Cambridge Assessment
F (Overseas) Applied Mathematics
A Medical & Veterinary Sciences
A Engineering
A Engineering Innovation and Outreach
A Engineering
A Politics
A Pure Mathematics
A Engineering; Dean
C Engineering
B (JRF) Archaeology
A French
B (JRF) Physics
B (JRF) History
B (SRF) Molecular Biology
A Psychology
A Bursar
E Logic and Computation
A Development Director
E Biographer and Historian
A Physics
A Social Anthropology
B (JRF) Pure Mathematics
A Law
A Electrical and Computer Engineering
A Education; Admissions Tutor and Tutor
C Economics
B (JRF) Philosophy
A Chemistry
F (Overseas) Psychology
C Materials Science
A History
A Natural Sciences
B (SRF) Computational Biology
B (JRF) Physics
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<td>Marin Aguilera, Dr B, MA, PhD</td>
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<td>F (French Government)</td>
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<td>Surie von Czechowski, Dr A D, MSc, MPhil, PhD</td>
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<td>Bénatoüil, Prof T, MA, PhD</td>
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<td>Mathematics</td>
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### By-Fellows

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<td>Tasker, Dr A, MB BCHIR, MRCP</td>
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<td>Bianchi, Mr A S, MA</td>
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<td>Laycock, Mrs P, BA, FRSA</td>
<td>BF (Staff)</td>
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<td>College Registrar 1991–2014</td>
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<td>Church, Dr L E, MA, PhD</td>
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<td>McMeekin, Mrs S M, BA</td>
<td>BF (Staff)</td>
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<td>Finance Manager</td>
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<td>Donald, Dr M, PhD</td>
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<td>Chaplain</td>
<td>Chaplain to the Chapel at Churchill College</td>
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IN MEMORIAM
CONDOLENCES

Mr Francisco Dunn (U65)

Dr Peter Gollop (G67)

Dr Gregory Sands (former Archives By-Fellow) who died on 22 March 2013

Professor Jose Mendes-Lopes (G80) who died on 31 July 2013

Professor James Fay (former Overseas Fellow) who died on 2 June 2015

Mr Stephen Rodefer (former By-Fellow) who died on 22 August 2015

Professor Terry Turner (former Overseas Fellow) who died on 7 November 2015

Professor Ray Clough (former Overseas Fellow) who died on 8 October 2016

Mr David Dowsett (G78) who died on 29 October 2016

Professor Erik Christiansen (former By-Fellow) who died in 2017

Professor Sami Al-Sakkar (G69) who died on 1 March 2017

Professor William Klemperer (former Overseas Fellow) who died on 5 November 2017

Professor David Krinsley (former Overseas Fellow) who died on 5 November 2017

Professor Jan Michalski (former Overseas Fellow) who died on 14 November 2017

Dr Alison Millerd (former Overseas Fellow) who died on 3 December 2017

Professor Robert Lane (former Overseas Fellow) who died on 29 December 2017

Professor Wilse Webb (former Overseas Fellow) who died on 18 January 2019

Professor Lawrence Weiskrantz (former Fellow) who died on 27 January 2018
Dr Stephen Bochner (former By-Fellow) who died on 19 April 2018
Mr Alexander France (U73) who died on 9 June 2018
Mr Paul Samuel (U82) who died on 30 June 2018
Mr John Borthwick (G63) who died on 1 September 2018
Mr David Pearson (U74) who died on 10 August 2018
Mr Enock Ching’Anda (G70) who died on 15 September 2018
Dr Frank Maine (G60) who died on 29 September 2018
Mr Crawford McKelvey (U89) who died on 26 October 2018
Mr Michael Zhao (G17) who died on 8 December 2018
Mr John Barlow (U63) who died in 2019
Mr Daniel Neaman-Isotop (G69) who died in 2019
Mr Nigel Barrett (U78) who died on 7 January 2019
Mr Peter Pugh (U62) who died on 24 February 2019
Mr Michael Lewis (U64) who died on 14 March 2019
Professor Walter Munk (former Overseas Fellow) who died on 8 February 2019
Professor Harry Kesten (former Overseas Fellow) who died on 29 March 2019
Professor David Thouless (former Fellow and Honorary Fellow) who died on 6 April 2019
Mr Julian Maw (U64) who died on 18 April 2019
Dr Andrew Sinclair (former Fellow) who died on 30 May 2019
Dr Charles Capes (G61) who died on 6 June 2019
Dr Charles Ellington (G73) who died in July 2019