

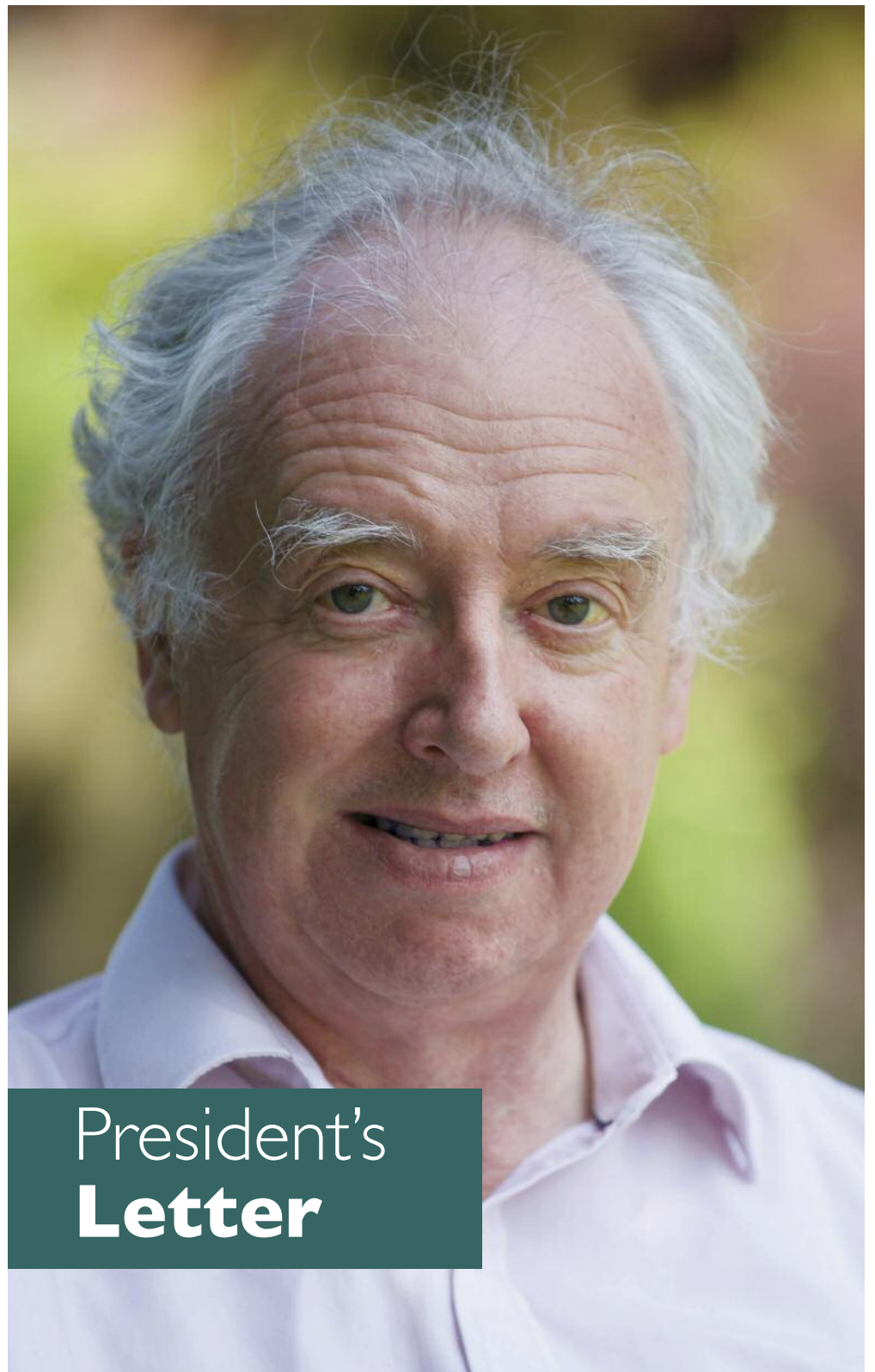
Review



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Editor: Bobbie Wells
With thanks to Catherine Wise
and Margaret Deith (LM).



President's **Letter**

Fifty-two and counting. We might have thought that once the anniversary celebrations were over life at Clare Hall would settle down into gentle normalcy. Far from it. Early in 2017 we learned that the bungalow next to the main college site, number 4 Herschel Road, was coming onto the market, and much labour has been expended on the purchase of the house and garden and then in beginning to plan what we might do with it.

The history is worth the telling, for it brings out the way in which the College developed in its early years. Back in the 1970s, number 3 Herschel Road was owned by Professor and Mrs Keynes, scions of one of the great Cambridge families. In the late 1970s it was agreed that the house would be transferred to Clare College, which was then trustee for Clare Hall; the transfer duly occurred, and number 3 became part of Clare Hall and renamed Leslie Barnett House. Professor and Mrs Keynes retained part of the land which had formed their garden, building the bungalow which became known as number 4. The correspondence in the College's archives showed the concern to protect the privacy of the family, something which has left its traces on the way in which the College developed in the 1980s. As well, it showed that the intention was that the College should have the right to buy the bungalow when it came on the market. Inevitably, as with any transfer of land, lawyers got involved and – a lawyer can say this – when the time came for the College to buy the land there was a good deal of

unpicking of the legal complexities which had unintentionally been created that had to be done. Happily, Ian Strachan, the Bursar, kept a cool head throughout and steered the purchase to a successful conclusion. Our hope is that we will be able to develop the site to provide some much-needed accommodation for students – not with a view to increasing our numbers but in order to bring more of them onto the college site to build up the community. But the complexities of getting planning consent are even greater than those of getting lawyers to say exactly what they mean...

As well as what we hope will be this major development, plans are now advanced to spruce up two parts of the College so that they can function better. The Richard Eden Rooms in Gillian Beer House will have a make-over so as to allow them to be properly used for meetings, dinners and the like; and the Common Room will be refurnished and redecorated to encourage greater interaction between all the members of the college community.

We have a responsibility to make our site work as well as it can, but on the many occasions I have spoken at Life Member events I have been at pains to stress that the important thing about Clare Hall is not its buildings or its traditions but its people. It is always enjoyable to meet up with Life Members, whether in Cambridge or elsewhere, and to take pleasure in our collective membership of Clare Hall. Not that travelling to far-flung places is always risk-free: the Development Director's attempts to book herself and me into what she found out just in time was a 'love hotel' could have spelled disaster! The most important members' events, for me, are the graduation dinners. Students are the life blood of the College, and we share in their pride in having successfully completed their degrees. I suspect Clare Hall is the most liberal of colleges in inviting graduands to celebrate with their families, and I regularly take pleasure not only in saying to parents that we are proud of their children but also saying to small children that we are proud of their parents.

I end on a purely personal note. This summer marks Stephen Bourne's stepping down as Vice-President after four years in office. The Vice-President has a pivotal role in College, not the least as someone who is always available to give counsel to the President. I have made plentiful use of him, and this is the place to give him a public thank you. By the time this Review hits the doormat or inbox he will have been succeeded by Alan Short, who will soon be finding out what he has let himself in for. Thanks too to him for being willing to step up to the plate.

David Ibbetson
President



Report from **The Bursar**



Having been in office for over one year now I look back on some good progress, and I look forward with much more to do. I have met a great many people during the course of the year, and at times have reverted to my standard introduction that I am a 'Scottish Presbyterian Accountant', with all that these three words imply on fiscal prudence, holding fast to traditional disciplines and having effective financial controls.

I have also shared with some the Strachan clan motto 'non timeo sed caveo' which is loosely translated as 'not afraid, but cautious.'

I try to use that as my underlying philosophy for the role as Bursar at Clare Hall, a mantra which, I believe, fits well with the overall financial strategy of the College.

I said in my update on the College finances in the 2017 Anniversary Campaign Report that we needed to have the confidence to take opportunities which present themselves, despite the operational, financial and endowment challenges we face. The acquisition of number 4 Herschel Road is a clear demonstration of that cautious confidence, and I was particularly pleased by the overwhelming encouragement of Fellows and Life Members to proceed with the acquisition of the property.

Financial update

The annual report and financial statements for the year ended 30 June 2017 are available on the website at: https://www.clarehall.cam.ac.uk/files/Financial_reports_YE2017.pdf

The 30 June 2018 Report will be available in November. Our objective for the income statement is to maximise our income, whilst maintaining tight control over expenditure. It is pleasing to report that we continue to make good progress, with our total income in 2016/17, before donations and endowments, increasing by £321,000 (11.4%) from 2015/16, and our total expenditure reducing from £3,657,000 to £3,599,000 (1.6%). Together, these reduced the annual deficit on unrestricted general funds from £546,000 to £196,000. However, this is still a deficit, and we need to continue to seek opportunities to increase catering revenues and to maximise occupancy rates on our accommodation. Our two other principal sources of revenue, student fees and investment income, are relatively fixed. I have been particularly impressed with the work of our domestic and housekeeping teams in managing their budgets through cost-effective purchasing processes and by challenging discretionary spend.

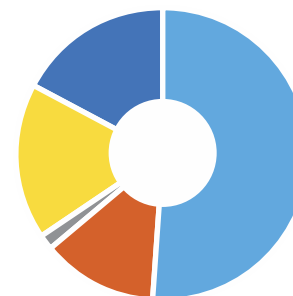
The balance sheet at 30 June 2017 benefited from an unrealised gain in the valuation of our investments, and at the year-end we had net assets of £32.7m (2016 – £29.4m), of which £21.3m is represented by restricted reserves. We undertake regular monitoring of our cash flows and gearing to ensure that we have sufficient funds available to meet current requirements, and that we are in compliance with our banking covenants. The forecast position at 30 June 2018, currently subject to audit, and our budget for 2018/19 are both consistent with the direction and strategy explained above.

Future priorities

I am fortunate that a great deal of preparatory work in determining priorities had been done before my arrival, with the 2016 development appraisal of the College estate. From this, I have inherited an estate action plan, and one of the key strategic priorities for the College, and therefore one of my principal objectives as Bursar, must be the implementation and delivery of that plan. We need to ensure that we do not get distracted by the day-to-day operating issues, important though some of them are, but that we remain focussed on that vision of developing an infrastructure for students, including work spaces, facilities and accommodation, that continues to attract the highest quality postgraduate students. We have started to make good progress with plans for the refurbishment of the Common Room and the Richard Eden suite, and, more specifically, by considering the opportunities for development of number 4 into student accommodation.

Finally, I would just like to express my personal thanks to Stephen Bourne and Tim Cottage. Fuller acknowledgements will be found elsewhere in the Review, but

INCOME 2016 – 17

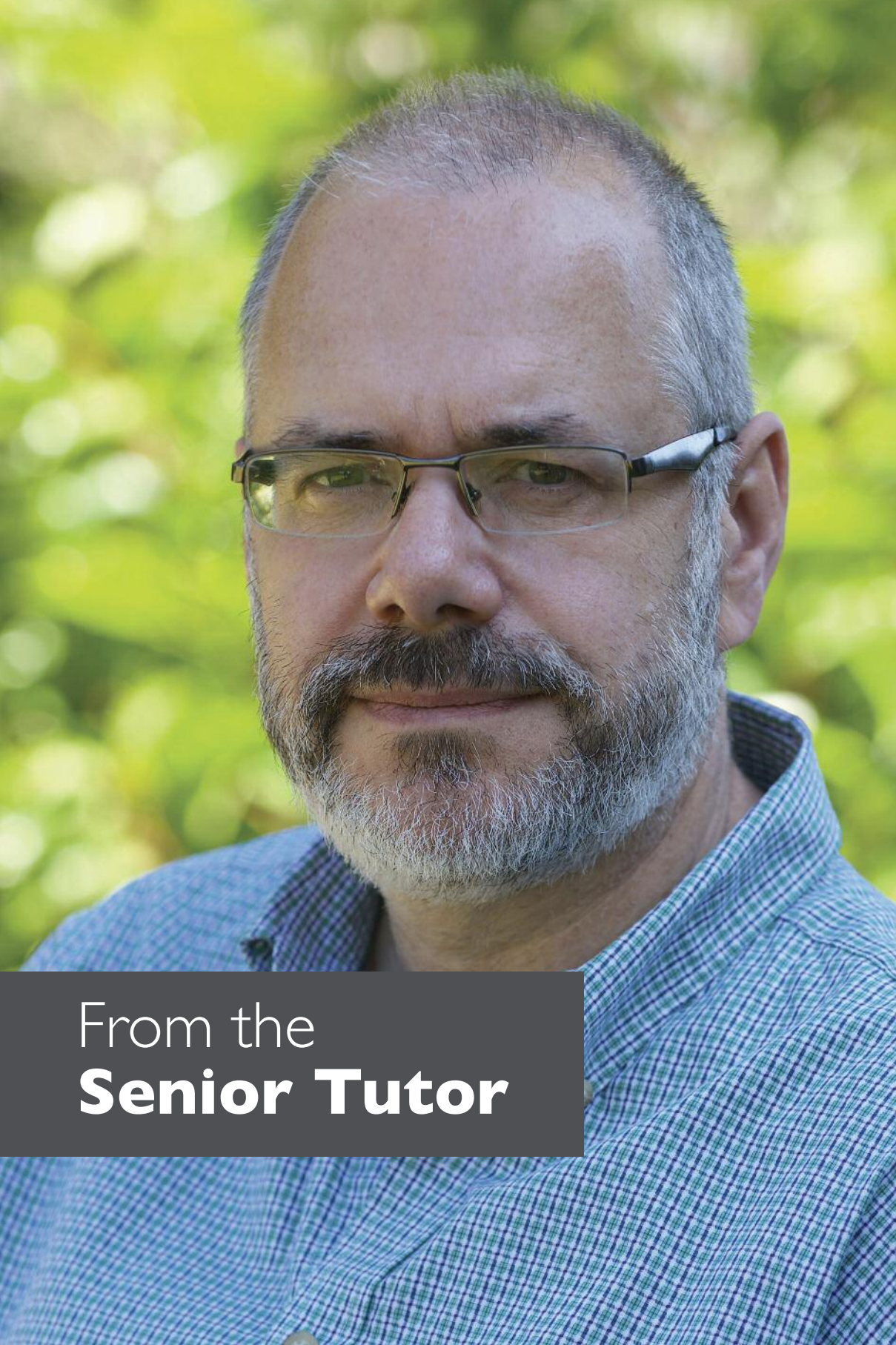


- Rents & charges
- Catering sales
- Sundry sales
- Student fees
- Investment income

their personal support, and the guidance and knowledge which they have both provided to me, have been invaluable and greatly appreciated as I have moved slowly along, and hopefully up, the learning curve of life as Clare Hall Bursar.

Ian C. Strachan

Bursar



From the **Senior Tutor**

After a number of years of stasis, graduate student numbers across the University are again rising strongly. The official target for the institution as a whole is 13.1% over the next five years, which approximates to 2.5% per annum, though it is not expected that growth will necessarily be steady. A major fundraising effort is under way to provide support for doctoral students in particular, given the desire in both the University and the colleges to admit a greater proportion of research students. In this context Clare Hall continues to be well placed. Each year approximately 65% of the students we admit have made Clare Hall their first or second choice. This level of popularity compares well with many of the traditional colleges in Cambridge. Further, we attract many strong applications from PhD students as well as those taking a Masters, making a balanced and engaged student body as a whole.

College financial support for our students has increased substantially in recent years, as we continue to offer an exciting range of studentships, bursaries and awards in all subjects, together with responsive-mode funding for research and conference presentations across the world. But we are not complacent. Our plan is to maintain student numbers at around two hundred, with a long-term goal of offering college accommodation to all who want it. The

recent purchase of number 4 Herschel Road provides a major opportunity to meet this goal in due course.

This year marks the retirement of Dr Rosie Luff as a tutor. Rosie first became a tutor in 2000. I want to thank her personally for the support and guidance she has offered me since I arrived here in 2012 and also on behalf of the many hundreds of students who have gained enormously from her wise counsel, kindness and support. It is particularly pleasing to report that Rosie will still be very closely engaged with our students for many years to come as she continues to offer her highly valued workshops on writing academic English. She is also continuing in her role as College Librarian.



Each year approximately 65% of the students we admit have made Clare Hall their first or second choice. This level of popularity compares well with many of the traditional colleges in Cambridge.

Dr Thomas Forster, Director of Studies in Mathematics and Dr Catherine Mackenzie, Director of Studies in Law, have both continued to provide an exceptional level of commitment to the intellectual development of our students. I am also very grateful to the tutors, Dr Ian Farnan, Dr Annamaria Motrescu-Mayes, Dr Trudi Tate, Dr Yi Feng, for all their hard work over the year. We have enjoyed a very productive relationship with the GSB this year too, thanks in no small measure to

Tim Coorens, who has been a very committed and enthusiastic GSB President, ably supported by a wide range of GSB officers.

As a college we are very fortunate to have such an academically gifted and engaged body of students. I'm sure that all those who attend the regular Fellow-Student dinners are, like me, deeply impressed with their ability and enthusiasm. Our students distinguish themselves in many ways and I'd like to end by highlighting sporting success. We have no fewer than five University Blues winners in college this year, each of whom was congratulated with a college Blues Award at a recent informal gathering: Pawel Budzianowski and Gianmarco Raddi for Volleyball; Friederike Dannheim for Cheerleading; Samer Kurdi for Basketball; Jonny Scott for Badminton. In this and many other ways Clare Hall goes from

strength to strength and I'd like to thank everyone in the wider college community for their continuing support of our work.

Iain Black
Senior Tutor

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News from our Development Director



Thank you for your wonderful support of Clare Hall! We have been truly moved and also been able to do so much more for the College and its members, thanks to your generous support. As a modern college with very little endowment, the annual giving and other donations we receive do make a genuine impact on life in the College and the support we can offer our students and Visiting Fellows. Everyone who has given should have received our first ever Clare Hall Donor Report, where you can read in more detail about the impact of your support. If you would like to have a copy, please contact Catherine Wise in the Development Office. Our ambition is to send these out on an annual basis in the future.

Thank you for your wonderful support of Clare Hall! We have been truly moved and also been able to do so much more for the College and its members, thanks to your generous support.

This year we hosted our first ever Clare Hall Reunion – bringing together former students, Visiting Fellows, Fellows and staff who were here during the presidency of Brian Pippard for a wonderful celebration of the founding of

Clare Hall and the first years of a fledgling college. We were thrilled to host 35 attendees for lunch with many memories shared and old friends reconnecting. A lively speech was given by Malcolm Longair reminiscing about those early days of life at Clare Hall. The President reflected on the appropriateness of the vision of the College created by those first founding Fellows and how future-proof those founding principles have proved to be. Clare Hall has retained its character with no intention of making drastic changes to its ethos.

Thanks to the work of Carmen Blacker, who initiated academic exchanges with Japan and promoted Japanese studies in the University, Clare Hall has a long history of partnering with academic institutions in Japan as well as a growing community of Life Members who have come here as students or Visiting Fellows. During a visit in April, the President had the opportunity to meet with many Life Members in Tokyo, Kyoto and Seoul as well as our academic partners at RCAST in Tokyo University, Dôshisha University, Hanyang University and Seoul National University.

Building on the positive response and support we received from our Life Members and friends of Clare Hall during the Anniversary celebrations we have responded by organising more gatherings and events for Clare Hallers in College and locally. We are very keen to bring our Life Members together in ways and places that are of genuine interest and benefit. If you have suggestions or would like to work with us to organise something – please get in touch!

We are also launching a new way of staying connected with Clare Hall and the community of Life Members, called 'Clare Hall Connect'. This is a new technology that will enable anyone who signs up to be able



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to access news and information about College events easily, either by phone or via the website. It also enables Life Members to contact each other directly, to find Life Members at different localities and to reach out for networking and mentoring. Please look out for further information and details.

As a Clare Hall Life Member you are part of a vibrant international community of academics and professionals – this is your opportunity to make the most of it.

Marie Janson
Development Director

Leaving a Gift in Your Will

Thank you to all of you who have expressed an interest in including a gift to Clare Hall in your will. Gifts left in wills have made a tremendous difference to Clare Hall, from enabling us to support bursaries to the running of the College. As we look at the long term future for the College we know that legacies will help us make our visions become a reality: whether it is improving student accommodation, allowing more of our students to be housed in the College, improving access to study spaces or upgrading the facilities.

There are so many ways you can help, and the best place to start is to look at our website for information on how to give. We have launched the 1966 Society to give recognition to those who have pledged a gift to Clare Hall.

Donors 2017-18

We gratefully acknowledge the following individuals and organisations for their generosity during the 2017-18 financial year.

We are also grateful to those donors who wish to remain anonymous, have given gifts in kind, or made a bequest to the college.



Professor Donald King unveiling the new plaque outside the King Suite

Organisations

China UK Development Ltd
Eucalyptus Associates
Fidelity Charitable Gift Fund
Kresge Foundation
(enabled by Lee Bollinger)
Spalding Trust
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 Andrew Wernick and
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The Desmond Lam Shield for the Annual Staff vs Students cricket match

Donor for over 5 years

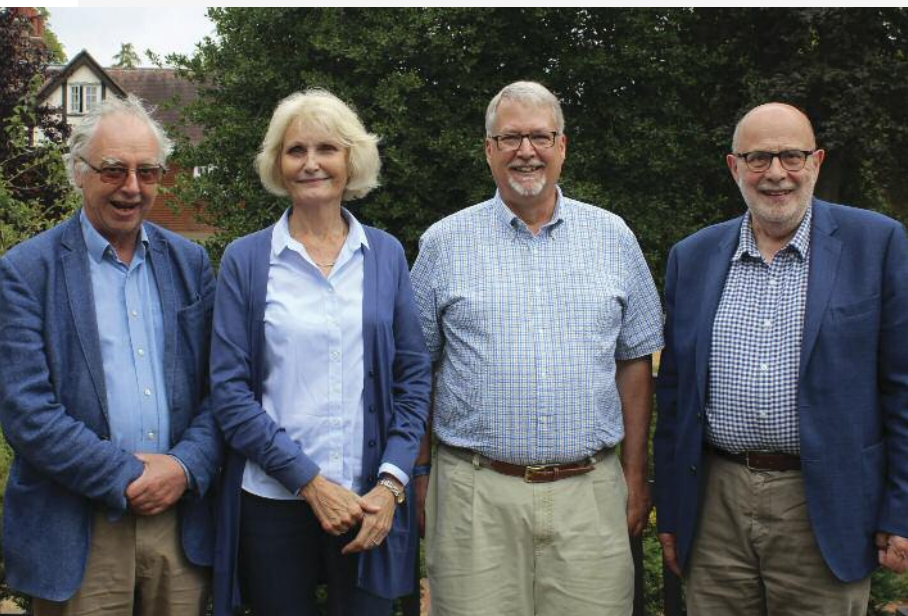
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*Professor David Ibbetson,
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Kevin Weeks
John Wells
Margaret Widdess
Christopher Williams
Sandra and Daniel Wilson
Sarah Wright
Eiichi Yamaguchi
Jeffrey Zacks
Chenyan Zhang
Xiankuan Zhang

**Recently deceased*





Graduate Student Body

The student body at Clare Hall is a dynamic one, and after a long Cambridge summer it was with great pleasure that I met all the new students in October. As is tradition, the academic year was kicked off with Welcome Week. Activities this year included a scavenger hunt through Cambridge, an afternoon of punting, a wine and cheese reception with the Fellows, as well as two student parties, resulting in many new friendships and a student body that started the year with enthusiasm and energy. In October, many new faces joined the Graduate Student Body (GSB) committee and have done a marvellous job throughout the year.

This year's highlights include the activities that were organised by the GSB Social Officers, Surabhi and Manik, ranging from film nights and pub quizzes to karaoke and themed parties. These events offered a much-needed break for students. In addition, the GSB Equalities Officers, Francesca and Rita, have done a marvellous job in creating an open and friendly environment for all. Especially successful was their organisation of a spoken-word event, as well as various social mixers at Clare Hall that were open to students from all colleges. They have also been indispensable in their campaign for gender-

neutral toilets in the ALB, which has now been accepted by college.

The music, the excellent food and wine, and the energetic conversation make for an event that is unique, even in Cambridge.

The Jazz formals at Clare Hall have been a tremendous success this year as well, with tickets selling out mere hours after their release. Demand was so large that two Jazz formals had to be organised during Michaelmas term! The music, the excellent food and wine, and the energetic conversation make for an event that is unique, even in Cambridge. Many students used these opportunities to invite their friends to show them Clare Hall at its best. My guests from other colleges always return home from a Jazz formal satisfied and impressed and having gained a couple of new friends. I would like to thank the GSB Arts and Music Officers, Rashel and Chiara, for the organisation of these great events.

Through our External Officers, Brian and Arastu, students have had the opportunity to visit other colleges in Cambridge for a formal swap. Our visits included Newnham,

Members of the Graduate Student Body Committee 2017-2018

Vice-president	Sara Krum
Treasurer	Xinyi Zhang
Secretary	Mariana Pereira
Social Officers	Surabhi Agrawal and Manik Goel
External Officers	Brian Lederman and Arastu Sharma
Sports Officer	Alex Quent
Equalities Officers	Rita Pataki and Francesca Root
Arts & Music Officers	Chiara Morfeo and Rashel Pakbaz
Welfare Officers	Elias Nosrati and Katarzyna Prus
Web Officer	Vishal Chakraborty
FSI Officer	Michael Schneekloth
Green Officer	Marta Trofimova

Clare, Magdalene, Robinson, Wolfson and Emmanuel College, who have also returned to dine at Clare Hall. These formal swaps were not confined to other colleges in Cambridge. This year, we've also successfully fostered a close bond with the students from our sister college, St Cross College in Oxford. A group of Clare Hall students paid them a visit in Michaelmas term which included a tour of Oxford and St Cross, a champagne reception and formal dinner. This wonderful evening was reciprocated when students from St Cross came to visit us during Lent term.

Another great aspect of Clare Hall is the interaction between students and Fellows, and the best opportunity for this comes in the form of the very popular Fellow-Students dinners. They are an amazing chance to get to know the many different Fellows of the College and to engage in conversations spanning the spectrum of the diverse interests and backgrounds represented at Clare Hall.

The previous paragraphs may give the impression that students at Clare Hall only eat, drink and socialise, and while these are definitely popular activities, all of our students work extremely diligently to pursue their degree. While hard work pays off, it can also be very isolating at times. When there is so much academic stress and pressure to perform, it is essential to come home to a warm, welcoming and relaxing environment. I am proud that Clare Hall is such a place for students.

This would be impossible without the collaboration of staff, Fellows and the students themselves. I want to thank all of you for another great year at Clare Hall!

Tim Coorens
GSB President 2017-2018

Marjorie Chibnall **Bursary**



Marjorie Chibnall was a Fellow at Clare Hall from 1971 to 1988 and a remarkable woman and scholar. She inspired many students over the years, and Clare Hall is very proud to announce a bursary in her name. This is only possible because of an initiative taken by Professor Eric Carlson, a Life Member and former student, who had the opportunity to come to Clare Hall and carry out research thanks to the support of Marjorie. He has never forgotten the kindness and encouragement she showed, nor her intellectual rigour, so wanted to dedicate his support for Clare Hall in her honour.

On 6 June 2018 mediaeval scholars and members of Clare Hall gathered to celebrate Marjorie, her achievements, and to launch the bursary. Professors Liesbeth van Houts and David Bates, who both knew

Marjorie well, spoke about her academic career, her strong personality and the encouragement she gave to so many students of history. Marjorie's research was focussed on the Anglo-Norman period, and culminated in her six-volume edition and translation of the *Ecclesiastical History* of the English chronicler and Benedictine monk, Orderic Vitalis, the product of thirty years of painstaking work. She led a long and productive life, and her last book, *The Normans*, was published in 2006 when she was 91.

Sir Geoffrey Cass shared his personal memories of Marjorie from the time when they were both on the board of the Perse School for Girls, and of working alongside her drafting the statutes for Clare Hall, something for which her long experience of analysing medieval manuscripts was exceedingly useful.

The first recipient of the Marjorie Chibnall Bursary is Kimberly Anderson, a student of Anglo-Saxon and Norse history, who, on completing her MPhil at Clare Hall will begin a PhD, encouraged by the award of the Chibnall Bursary.

Clare Hall aims to select a recipient for the Marjorie Chibnall Bursary annually. The bursary currently offers £600 to one student but we hope that by raising the awareness of its existence and the importance of this kind of student support, other Life Members will support this initiative so that we can grow the fund with the aim of increasing it to £1,000 per year.

Marie Janson
Development Director



Andrew Blake Thoughts on Artificial Intelligence

Professor Andrew Blake, Fellow of Clare Hall since 2000, has been working on Machine Vision systems for several decades. Until 2015 he was Director of Microsoft's research laboratory in Cambridge, then inaugural Director of the new Alan Turing Institute. In 2016 he was awarded the BCS Lovelace Medal for his significant contribution to the advancement of Information Systems. Now he is an Artificial Intelligence researcher and consultant working with Siemens, Samsung, and a Cambridge startup, 'Five AI' that is developing autonomous driving for public transport.

I see now that it was always meant to be, that I would spend much of my life working on Artificial Intelligence. Firstly, we share adjacent birthdays – Artificial Intelligence was also born in 1956, at a select conference in Dartmouth College, USA. Secondly, my doctoral adviser Professor Donald Michie, as a fledgling scientist, joined Alan Turing on his wartime decoding team at Bletchley Park in the 1940s, when Turing was beginning to think about AI, constructing paper-based 'machines' for playing chess.

Now, after surviving 'winters' in the 1970s and 1990s, AI is back with a vengeance. Its most recent resurgence is due to the revival of neural networks, a computer software design loosely based on the neurones and synapses found in the brain.

Conventionally, software or computer programs consist of rules to be executed in turn, with tests that may conditionally divert the order of execution, to form a set of alternative pathways. Decades ago researchers discovered that the tasks which it was hoped that AI could perform – understanding speech, translating language, reacting to images – simply could not be captured by sets of rules.

Instead, the dominant method in AI's toolbox is 'machine learning' where software is constructed, not by human programmers, but by further software of a special sort. Reminiscent of the way in which humans and animals acquire skills, machine learning software is exposed to many examples ('big data'), each with a 'label' or commentary. That mobile phones can now understand speech is thanks to learning software which has 'heard' many instances of spoken words.

Now AI systems are everywhere and underpin the big internet companies when they help us to search the web, speak our queries and requests, and when they emit streams of adverts customised for individuals. In the public sphere, AI systems help security services root out possible terrorist activity. They are becoming increasingly important in medicine too, helping radiologists to analyse X-rays with remarkable reliability. According to Sir John Bell (Regius Professor of Medicine in Oxford), AI systems will ultimately save our otherwise unaffordable NHS. In the future, AI may drive our cars, but let's see how far that technology progresses over the next decade.

AI is in its infancy. There is no sense that AI is anywhere close to the breadth of intelligence that humans and animals display. AI simply captures fragments of intelligent behaviour, and broad intelligence is a very long-term goal. Nonetheless, there are exciting challenges to face in deepening the capabilities of those fragments. Perhaps the biggest of these is how to learn faster. Currently computers need vast amounts of data before they can learn effectively but given an infant that recognises cars, how many lorries would it need to see before also recognising those too? Perhaps a couple would suffice. Currently a computer would need as many as a thousand. Quite how humans learn so fast is a mystery, one which AI research will be probing over the next decade.

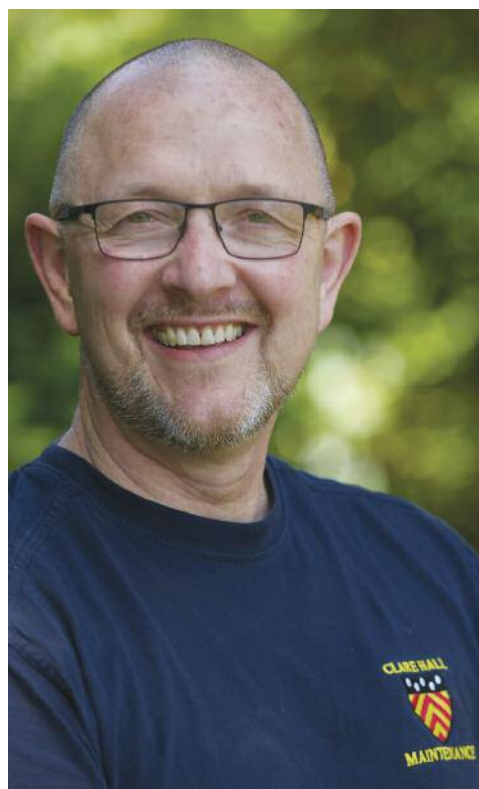
Andrew Blake

Keeping Clare Hall fit

If some members of Clare Hall staff are looking even more svelte these days it may be because of the encouragement of our Maintenance Supervisor, Andrew Brewer, who has been helping them to lose those unwanted pounds (or kilos). Every year he organises a twelve-week programme with weigh-ins each Monday (after the excesses or deprivations of the weekend) to track gains and losses. At the end of the programme the person who has lost the most weight is 'mentioned in dispatches' and declared the winner. This year's winner was Rosie Luff. The programme has many benefits: weight loss, of course, but also a greater sense of community as members join together in a common, if unusual task, and finally, a substantial contribution to a named charity. To date, the programme has raised £1,000.

Andy, who is a qualified fitness coach, is serious about encouraging us to maintain good health and also runs a boot camp in the summer. This year he has yet again persuaded twelve of his colleagues at Clare Hall to run in the six-mile relay 'Chariots of Fire' race in Cambridge, first run in 1992 for charity fund-raising.

Andy has been at Clare Hall for over two years, moving here from Clare College. He enjoys the variety of challenges the College estate offers and looks forward to helping the maintenance team to transform our newest property, number 4 Herschel Road, into a more comfortable base for Clare Hall residents. Andy is appreciative of our



legendary informality, particularly the absence of a high table at lunchtime, which

This year he has yet again persuaded twelve of his colleagues at Clare Hall to run in the six-mile relay 'Chariots of Fire' race in Cambridge...

enables him to meet the many different people who make up our community. He has made good contacts with College residents, the Visiting Fellows and Life Members who come and go over the year. He has remarked on the family friendliness of Clare Hall which is, like our own in-house fitness advisor, a unique feature of the College.

Journey from Iceland



Jóhannes Rúnar Jóhannsson is an Icelandic lawyer specialising in company law, corporate governance, insolvency and the laws of banking

and court procedure. He is a senior member of the Icelandic Bar and also a former Vice President of the Icelandic Red Cross Association. Since 2003 he has lectured in Corporate Governance and Company Law at Reykjavik University School of Law.

Following the collapse in 2008 of Iceland's Kaupthing Bank he was appointed to the bank's Resolution Committee and then to its Winding up Committee, finally becoming a member of its Board of Directors in 2016. He and two colleagues who were in 'the eye of the storm' as members of the Winding up Committee then oversaw the restructuring of Kaupthing, which took many years to complete.

After completing the complex restructuring of Kaupthing in 2016 Jóhannes took stock of the direction his career might take and decided to fulfil his dream of studying in Cambridge. He applied to the Executive MBA programme at the Judge Business School, joining the course in 2017. He says, without hesitation, that his decision to apply to participate in the EMBA programme was one of the best he ever made.



Tanner Lecture 2018

The Tanner Lectures 2018 were delivered by Jan-Werner Müller, Professor of Politics in Princeton University, on 15 November 2017 in the University Law School. His ambitious topic was 'Architecture, Public Policy, and the Ideal of Collective Self-Determination.'

Professor Müller began by explaining that he is a historian and theorist of architecture rather than a practitioner, and that he is primarily interested in the connection between the built environment and politics. Specifically, how might we think about the relationship between democracy and architecture as well as public spaces? If we start from the familiar phrase 'form follows function' what form best expresses democracy? And if architecture is obviously and intimately connected to finance, will it always be in thrall to power?

Professor Müller then turned to what may seem the most obvious form of 'democratic architecture,' namely, a built environment

that is the result of a democratic process. He then distinguished between representing democracy on the one hand and facilitating democratic practices on the other. He outlined the difficulties of representing democratic principles and/or 'the people' and contrasted this problem with several successful examples of how particular spatial arrangements can help democracy. This is especially the case if the latter is understood to have a dual nature: a central location for generating collectively binding decisions, and a space that allows for the formation of public opinion. He discussed in some detail how that duality might be translated into the built environment, both historically and in our time, paying particular attention to the

question of what the criteria are for designating a space 'public.'

He concluded by posing, and offering a sceptical response to the question that has received much attention from media commentators, whether the Internet/virtual space might replace actual physical space in fulfilling a number of functions that are basic for democratic practices.

Finally, it should be said that Professor Müller was a notably fluent and engaging speaker who read neither from a script nor from notes. A video of his performance is available on the Clare Hall website.

Robert Ackerman

On 28 June Professor George van Kooten, recently appointed Lady Margaret's Professor of Divinity in the University of Cambridge, delivered the Ashby lecture on 'Oiling the wheels of nations? Religion and politics, then and now'.

The main focus of the lecture was on Paul's Letter to the Romans, probably his most important letter, written to the heart of the Roman Empire around the middle of the first century of the Common Era. Van Kooten argues that Paul is deeply engaged in a discourse 'in which he develops a non-political universal alternative alongside the current state' - rather like a non-governmental organisation working alongside a modern nation state.

Van Kooten illustrates the Roman ethos of the time with reference to vivid accounts of the Stoic philosopher, Seneca, summarising Paul's political philosophy through the lens of four themes broadly common to both Roman political thought and his own. These are justice, law, citizenship and community. Paul agrees with the Stoic belief in justice and maintains that unconditional divine justice has become visible in the life of Christ, thus enabling all human beings to share in this quality of justice. Moving from justice to law, van Kooten endorses the Stoic view that a divine, natural justice transcends, and at the same time informs, civil laws. But the Stoics differentiated between four types of law of which the most significant occurs when the natural law is exhibited, for example, in the notion of Cicero's 'ideal rules', the embodiment of natural law, the 'living law', the *nomos empsychos*. According to Seneca it is this natural law that the wise must emulate.

Paul appears to follow the same Stoic differentiation between these types of law in his letters. Paul and Seneca are both

convinced of the inadequacy of civil laws and of the superiority of natural law, though Paul is more universal in emphasising that Christ is ultimately accessible to all. In distinguishing between Paul's and Seneca's notions of citizenship van Kooten cites the views of the Oxford political philosopher, Larry Siedentop who maintains that it was the radical equality for the individuals defined by Paul that laid the foundations of Western liberalism, because it was against the absolute power of the state that the Christian church provided individuals with an equality in the sight of God plus freedom of conscience. This equality of the individual and liberty of conscience were further developed via continuous interplay between state and religion.

The Christian notion of community is denoted by *ekklèsia* in Greek, often wrongly translated as 'church' because it is the normal Greek word for the political civic assemblies of the Greek cities (subject always to Roman approval). Paul therefore regarded the early Christian communities as 'the civic assemblies of God', and in them there was no room for ethnic, social and gender differences. This universal, global and yet non-political phenomenon was unparalleled in both the Greek and Roman worlds (apart from athletic gatherings). They therefore have a potential for oiling the wheels of nations by offering, together with culture and sport, a space for the inspiration of human values.

David L Gosling

Life Member and former Spalding Fellow



Ashby
Lecture
2018



Domestic Bursar's Report

We have had an interesting and busy year with staff working really hard to manage the many changes being instituted. We have seen the completion of the final phase of our IT infrastructure improvements and we are now running a top class network providing excellent Wi-Fi across the entire site - even in the gardens!

Our security systems have been improved with a network of digital CCTV cameras across the whole estate, providing improved and reassuring security for our residents. Our Accommodation Officer, Becky Williams, has taken on additional responsibilities recently, and now manages allocations of accommodation for both Fellows and students. This centralised operational activity of our accommodation services has led to greater efficiency.

To help our staff make the best of their skills sets, we have embarked on a number of training programmes. Our Head of Housekeeping, Terri Lewis, has completed her Institute of Leadership and Management Level 4 qualification as well as supporting five of her housekeeping team who are undertaking training programmes. Justifiable celebrations will take place when certificates are presented and I am proud of them all.

Our Housekeeper Tania and her husband keep bees and they have provided us with a beehive. The bee colony at West Court is now producing honey and we plan to pass the next batch to the kitchens for use in some delicious recipes.

There have been some staff changes. We said goodbye to Sayed in the Porters' Lodge and to Simona in Housekeeping and have welcomed some new staff. Paul Williams has a new role in the Porters' department as our Bookings and Hospitality Administrator, providing support in the Lodge when needed but focussing on ensuring that the events we host are well managed and that our guests want to return for more. Three new members have joined our Housekeeping team: Ethel West, the wife of James, one of our long-serving painting contractors, Martine French and, most

recently, Claudia Silvestri. Our Head Gardener, David Smith, welcomed Andrew Graves who has joined us on a part-time basis, taking over from Mick Brown who is now working full time in the Maintenance Department. Andrew has also been working in the Porters' Lodge as a Relief Porter. Recently joining the Estates team is Jim Vallis who will be undertaking painting and decorating tasks over the summer.

The bee colony at West Court is now producing honey and we plan to pass the next batch to the kitchens for use in some delicious recipes.

The estates action plan list has lengthened with a number of refurbishment projects to transform the public spaces in the College. Additionally, plans to convert number 4 Herschel Road into student accommodation will keep us all very busy. The success of these projects and the many other activities involving Clare Hall staff depends on everyone working and pulling together. We all know that alone we can do so little, but together we can achieve a great deal.

Jane Phelps
Domestic Bursar

Goodbye to Tim Cottage Estate Manager

A name familiar to most College members is that of Tim Cottage and we are sad to announce he is taking early retirement after ten very busy and productive years managing the maintenance and upkeep of the College. Having worked at the Imperial War Museum, Duxford, for over 35 years, Tim came to us as a very experienced Maintenance Manager and quickly established good order here.

His work expanded and he became Estate Manager, managing over 3,000 job sheets each year for planned maintenance and over 1,500 reactive job sheets a year. In addition to his in-house team, there are over 30 contractors working to his overall management.

Tim had his moment of fame when he and his wife Amanda appeared on the television series *Come Dine with Me*, preparing a delicious menu of three courses using vegetables and fruit from their garden and allotment. Tim relates that the television team asked him to keep picking and peeling apples in the hope of finding a maggot for the sake of film footage. He gave up after seventy apples! Tim and Amanda won first prize, which paid for a memorable family holiday with their children and grandchildren.



Adventure features high on the list of things that Tim has planned for his retirement with trips to the USA to visit relatives, as well as visiting Spain and touring the UK with Amanda and his beloved dog Marmite. There will be no sitting down with his feet up for Tim! As the father of five and grandfather to eight he is ever ready to lend a hand to family members.

Enjoying his allotment over many years with Amanda has provoked Tim into considering expanding the area where they grow fresh fruit and vegetables. He has ambitious plans to take on a smallholding of around an acre, perhaps keeping hens or even pigs! Tim will have more than enough to occupy his time. He has many happy memories of his days at Clare Hall and has been a very popular team member with a much appreciated and strong 'can do' work ethic. We look forward to him popping in to see us all and hearing of his great adventures and globetrotting trips.

Clare Hall Music **Beyond Mere Entertainment**

Intimate Engagements **Concert Series**

This year's Intimate Engagements series offers three solo recitals alongside a programme for string orchestra performed in an innovative chamber-music format by the Symphonova Orchestra.

The series opened with a piano recital presented by Noriko Ogawa in an imaginative programme combining contemporary music from Japan alongside masterpieces for piano by Debussy and Liszt. Ogawa juxtaposed a series of evocative works inspired by the imagery and sound of water as captured and reflected by Debussy (*Jardins sous la pluie* and *Reflets dans l'eau*) and Toru Takemitsu (*Rain Tree Sketch II*). Native Japan was very much present in her vivid presentation and through the particular sound created by chopsticks turned into a musical instrument by a samurai sword master, and used in an excerpt from a piece by Yoshihiro Kanno (*A Particle of Water* for piano and *Myochin Hibashi Chopsticks*). In the second part of the concert, the correspondence of contemporary Japanese composers with the Western musical tradition was illuminated by Ogawa's virtuoso playing of Rentaro Taki's *Grudge* followed by Liszt's *Sonata in B minor*.

In the second concert, the usual focus of the series on chamber music was presented in a new light by the Symphonova Orchestra.

Led by conductor and inventor Shelley Katz, a string quintet, augmented by a panoply of technologies, performed Vaughan Williams' *Fantasia on a Theme by Thomas Tallis*, Grieg's *Holberg Suite* and Janáček's *Suite for Strings no. 1*. I was

privileged to join the orchestra as the soloist for the premiere of Jeremy Thurlow's flute concerto, composed specially for the occasion.

In a *tour-de-force* programme for solo cello, Bartholomew LaFollette performed Bach's *Suites in C major and C minor* alongside the Britten *Cello Suite no. 1 op. 72*. LaFollette's presentation illuminated the connections between these two masterpieces, and the composers' innovative role in writing for the cello as a solo instrument. Clarity in multi-voice counterpoint, lucid harmonic structure, astonishing sounds and spine-tingling pianissimi were among the distinguishing characteristics of this outstanding solo performance.

The last concert of this year's series was dedicated to a programme for solo flute. In the context of the theme of the 'performer's voice', and with the aim of exploring the multitude of opportunities afforded in performance, I presented a journey over time with some of the pinnacles of the flute repertoire, including multiple contrasting performances of Debussy's well-loved masterpiece *Syrinx*.

Many thanks again to you, our loyal audience, and particularly to our Music Angels, without whom these unique musical encounters wouldn't be possible. I look forward to sharing these wonderful moments of music making with you in the future.

Abigail Dolan
Artistic Director

New Acoustic Installation in the College Dining Hall

Music at Clare Hall goes from strength to strength. The general music series presents high-quality concerts on a regular basis, and the Intimate Engagements series has featured eminent artists of the first rank for over a decade. The purchase of the Steinway model B piano opened a large field of performance as there are now no limitations on the choice of repertoire that include a piano. The concerts take place in the College dining hall, which provides an intimate setting for them. However, from an acoustic point of view, the venue was less than ideal, due to its low resonance, characterised as a 'dry' acoustic. Building a new auditorium wasn't really an option. Instead, a novel and newly installed acoustic system has transformed the dining hall into a superior concert hall with versatile and variable acoustics. This was made possible thanks to the generous support of several of the College Music Angels.

In the context of live performances with acoustic instruments, a balanced and properly resonant acoustic venue is central to the experience of both performers and audience. Performers adjust their timing and shape their tone according to the acoustic response of the performance venue, thereby altering, and arguably improving, what is offered to the audience. In addition, experience of a performance can be greatly enhanced as instrumental sound and speech are easier to apprehend, delivering a heightened enjoyment.

With its six discreet floating ceiling panels, the Symphonova Versatile Acoustic System



(SVAS)TM provides an immersive acoustic environment with a balanced and evenly diffused sound everywhere in the hall. It provides for three 'stages', or performance areas. For each of the 'stages', one can choose between four different levels of resonance and sense of spaciousness, tailored to speech, chamber music, larger ensembles, or for creating a cathedral reverberance suitable for plain chant.

The system was inaugurated in January with a concert including the Symphonova Orchestra directed by inventor and conductor Shelley Katz. In a pre-concert talk, he presented the technology and the musical context in which it was conceived. The memorable concert that followed included changes to the hall's acoustic as part of shaping the musical narrative. Since then, the system has been used on two separate occasions to the acclaim of both the performing artists and their audiences.

Many thanks to Dr Shelley Katz for enhancing our music-making at Clare Hall, and very special thanks and appreciation to the College Music Angels for all their support and assistance in making it happen.

Abigail Dolan



Spotlight on the Ashby Library

During Michael Stoker's presidency (1980-1987) and in honour of Eric Ashby, a founding Fellow of Clare Hall, a special-purpose library was created in Elmside overlooking the Fellows' Garden; funds for this venture were provided by Obert Tanner, a generous benefactor of the College. Formerly this area had been dubbed the 'Magic Room' on account of the activities of the original owner of the house, Walter William Rouse Ball, a Cambridge mathematician and lawyer who founded the Pentacle Club in 1919, one of the world's oldest magic societies. His legacy survives in the beautiful stained-glass windows incorporating magical words and numbers, puzzles which have yet to be solved. Here

there is a peaceful and relaxed workplace for a limited number of individuals.

The Ashby Library is unique in Cambridge because it is dedicated to celebrating solely the scholarship of the College, the published books and, in some exceptional cases, papers written and edited by Fellows, Life Members and students. Thus, by its very nature, it registers the intellectual pulse of the College and the academic personalities of many distinguished scholars. This wide-ranging research covering the Arts, Humanities, Social Sciences, Technology and Engineering is well reflected in the multidisciplinary nature of the collection, a catalogue of which is available to members

on the College website. The library has a holding of approximately 2,500 books.

The Library also contains a useful collection of reference books and introductory books on a wide range of different topics, which are easily readable, allowing students to gain an all-round education. We are especially indebted to Cambridge University Press for this and the generous donations they make each year. So for example we have the Cambridge Concise Histories covering every conceivable country, Cambridge World Histories (eg Human Disease, Food) the Cambridge Companions (eg Miracles, Cricket, Gandhi, Modern British Culture, Strauss, Jane Austen, Science and Religion),



Cambridge Guides (eg English Literature, Volcanoes, Astronomy, World Theatre) and Cambridge Encyclopaedias (eg Mozart, Latin America, Archaeology, Human Growth and Development, Space Missions).

One vital need currently being addressed pertains to student writing and presentation skills. Thus a collection of books is being built up covering all aspects of academic and creative writing with special reference to structure, language and presentation. This section also includes publications on posture, public speaking and oral skills in general so that confidence boosters can be set in motion, greatly enhancing student performance. This resource complements the

workshops on academic writing and presentation already being undertaken in the College.

I would like to take this opportunity to thank all those members who have kindly donated books to the library covering a wide range of subject matter directly related to members' research. Some individuals are true polymaths, extraordinarily prolific, covering poetry, literature and science. Indeed, some have whole shelves to themselves. You know who you are! Thank you. The College is most grateful.

Rosie Luff
College Librarian





In 1980, when I arrived at the University of Cambridge to start a post doctoral fellowship with well-known space scientist Colin Pillinger, I immediately visited the Godwin Laboratory of Nicholas Shackleton, recently named a scientist of the decade by the *Observer* newspaper. Nick was working in the field of palaeoceanography using the stable carbon and oxygen isotopic

Although the subject areas were quite different, they were united by the relatively new method of stable carbon and oxygen analysis which has, since the 1980s, revolutionised not only the field of geology, but also many other fields of science.

composition of small fossils to unravel the history of the oceans. In particular, Nick used the oxygen isotopic composition, which provides an indicator of both the temperature and the salinity of the oceans.

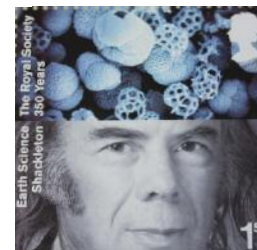
The 2017 Shackleton Fellowship Talk, held annually in memory of Professor Nick Shackleton and in order to respect his wish that research into palaeoclimatology would continue to have a place in Clare Hall, was given by this year's Shackleton Visiting Fellow, Professor Peter Swart. Professor Swart is the Lewis G Weeks Professor of Marine Geoscience at the University of Miami Rosentiel School of Marine and Atmospheric Science. In his talk he spoke of the links he made with Nick and the Quaternary community at Cambridge during his time as a postdoctoral researcher in the early 1980s and the subsequent research in which he is engaged.

Shackleton Fellowship Talk 2017

The problem was he was trying to determine two unknowns by measuring only one variable. I was using the same isotopic techniques but applying them to the study of meteorites and lunar rocks. Although the subject areas were quite different, they were united by the relatively new method of stable carbon and oxygen analysis which has, since the 1980s, revolutionised not only the field of geology, but also many other fields of science. Three years later I left Cambridge to take a position at the University of Miami in the US but little did I know that 35 years later I would be honoured to receive a visiting fellowship named after Sir Nicholas Shackleton at Clare Hall. During my fellowship I have been working in my old stomping ground, the Department of Earth Sciences, with Dr David Hodell. I have diversified my interests since the 1980s when David and I were working to refine a new technique which would have solved the problem faced by Nick, that of solving two unknowns by measuring only one variable. This variable is a new method which measures the combination of the two rare

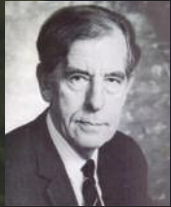
isotopes of carbon and oxygen (carbon 13 and oxygen 18) rather than the conventional approach which measures the individual isotopes separately. It is known as the clumped isotopic method. By making one measurement of the abundance of these two conjoined isotopes we are able to calculate temperature and the oxygen isotopic composition of the water which in turn provides information on the salinity. This is a powerful method which will revolutionise the understanding of the origin of rocks. In Miami my group is using this method to study the deep history of the Earth and understand the evolution of the oceans.

Peter Swart

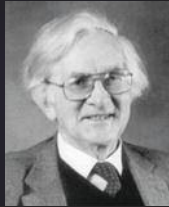


Pollen doesn't just cause hay-fever:

Clare Hall and its association with palynology



Frank Mitchell



Richard West



Thompson Webb III



Eric Grimm



Glen MacDonald



Bill Boyd



Kevin Edwards



Christer Nordlund

Pollen analysis, or palynology, which established the means by which it is possible to see changing vegetational patterns through time, has recently celebrated the centenary of its formulation by Swedish geologist Lennart von Post. Pollen is preserved in waterlogged, anaerobic and acidic environments such as accumulating lake sediments and peat deposits. The extraction and identification of successive layers of microscopic pollen grains enables the analyst to infer the influences which have given rise to the patterns seen in quantitative depictions of pollen data. These allow, for instance, reconstructions of the dynamic nature of vegetation, climate, deforestation, agriculture and soils over timescales spanning days through to millennia. Pollen analysis has been applied to studies of hay-fever, in verifying the geographical origins of honey, oil exploration and in forensic science where the pollen content of clothes or other objects may place someone at a crime scene. It has certainly been instrumental in assisting convictions for a number of murders.

The method has been adopted by scientists from many disciplines – botany, ecology, geography, geology, archaeology, climatology and the environmental sciences in general. The pollen laboratory established in

Cambridge by botanist Professor Sir Harry Godwin, within the Sub-department of Quaternary Research in 1948, acted as a magnet for an array of British and international pollen analysts. Clare Hall Fellow, palaeoclimatologist Sir Nicholas Shackleton, was greatly influenced by Harry Godwin; using the oxygen isotope composition of marine foraminifera from deep-sea cores – with parallels to palynology – he showed how variations in the earth's orbit can be correlated with the ice ages of the Quaternary Period.

Clare Hall has participated in the story of pollen analysis by hosting a number of visiting palynologists, the earliest being Frank Mitchell (VF 1966-1967) of Trinity College Dublin, who 'was fortunate enough to have a year in Cambridge as a Visiting Fellow at the newly founded Clare Hall', later becoming a giant of interdisciplinary Quaternary science. Research into the interglacial floras of East Anglia by Richard West (VF 1974), Professor of Botany and Fellow of Clare College, remains a key reference point. Thompson Webb III (VF 1977-1978) of Brown University's Department of Geological Sciences worked on climate mapping through the use of fossil pollen data. Limnologist Eric Grimm (VF 1981-1982), from the University of Minnesota-Minneapolis created the most

widely used computer program (Tilia) for the plotting of pollen data. Geographer Glen MacDonald (VF 1989) from McMaster University (now at California-Los Angeles) researches climate change and its impact on environment and society. Geographer Bill Boyd (VF 1996-1997) of Southern Cross University, New South Wales, studies landscape and environmental history from Scotland to Australia by way of southeast Asia. Historian of science Christer Nordlund (VF 2004) of the University of Umea has researched the historical contribution to advances in quantitative pollen analysis. The last palynologist to visit, Kevin Edwards (VF 2012-2013), a geographer and environmental archaeologist from the University of Aberdeen, has used palynology to explore human environment interactions over prehistoric and historical timeframes, most recently with regard to the landscape impacts of the Vikings in the North Atlantic region.

Pollen is not simply about plant reproduction and hay-fever, and Clare Hallers have certainly played their part in the development and practice of an astonishingly productive field of research.

Kevin J. Edwards
Life Member

Clare Hall Colloquium

The Colloquium has had another vibrant and energetic year so far, and there is plenty more to come.



Speakers' topics have spanned time and space, ranging from combat trauma in Virgil's *Aeneid* (Lily Panoussi) to German-speaking refugees in wartime Britain (Eva-Maria Thüne); from emotions in Conrad's *Heart of Darkness* (Yoko Okuda) to the penal reforms of Captain Maconochie (Hilary Carey); from the legal definitions of terrorism (James Simeon) to the speaker's own experience of receiving a fatwa in Pakistan for his advocacy for women's education (David Gosling); from Wedgwood and Etruscan art (Nancy Ramage) to the concept of the ether in the history of physics (Jaume Navarro); from whether natural rights exist (Mónica G. Salmones) to Wagner and the

Third Reich (Derek Hughes) and the role of the Eastern Front in the First World War (David Schimmelpenninck van der Oye).

The Colloquium provides a supportive environment in which Fellows can share their research with the rest of the Clare Hall community, and is an important fixture in the College's interdisciplinary makeup. As always, question time has been spirited and productive, and encouraged by a(n optional) glass of wine.

Many thanks indeed to all our speakers and audience members. Do please get in touch if you are interested in giving a talk.

Daniel Jolowicz (dj334@cam.ac.uk)
Convenor

Friends of Clare Hall Art Society

In 2017 with the generous support of Helene Blumenfeld OBE, the College launched the Friends of Clare Hall Art Society, a timely initiative aiming to increase the number of art projects hosted by Clare Hall, and to strengthen public awareness about our substantial art collection of mostly contemporary British artworks. Members of the Society are invited to attend three annual events, each including special presentations by renowned artists and art historians. The Society's inaugural series of events were delivered by Jon Harris ('Recording Cambridge and East Anglia 1961-2017'); Nicholas Juett ('Waves at Half Moon'); and a special screening of Susan Steinberg's documentary '*Mirrors on Windows: the Artist as Woman*'. Building on the success of the first year's event, and a considerable number of membership subscriptions, Helene Blumenfeld, the Society's patron, and Annamaria Motrescu-Mayes, its secretary, have secured the participation of Henryk Hetflaisz, Ekhard Salje and Jaquiline Creswell for the coming year. Future events will include group visits to the studios of various artists.

For further information or to request a membership form please contact Annamaria Motrescu-Mayes at artsociety@clarehall.cam.ac.uk.



The Postdoc Committee

2017/18

The Clare Hall Postdoc Committee, composed of ten Research Fellows and postdoc affiliates from across the arts, humanities and sciences, is in its second year and we have organised over 20 events to date. Although postdoc life can be hectic in itself, we try to meet regularly as a team to come up with creative and fun events that can bring students, postdocs, senior members and Visiting Fellows together. Below are some events from 2017/18.

Social

- *Postdoc Pub Quiz Team* – The Clare Hall Pub Quiz Team meets every Sunday/Monday at the Mitre or the Mill for a game of British trivia;
- *Wine and Cheese Event* – An evening where postdocs were invited by the College Wine Steward to learn about and sample 10 different wines;
- *Trip to Ely Cathedral* – A day trip to visit Ely Cathedral, including a private tour up the tower;
- *Formal Swaps* – A series of formal hall dinners with other colleges including Clare, Homerton, Wolfson, Emmanuel and Trinity.



College Events

- *Summer BBQ Event* – A fun-filled day for families, postdocs and students at the new West Court BBQ;
- *Dumpling Festival* – A feast involving a quiz about key facts and customs of Chinese New Year;
- *Study Break* – A weekend brunch organised for students to de-stress and also for postdocs to meet students;
- *Rowing* – Several sporty postdocs have joined forces with students in the Clare Hall Boat this year;
- *Chess Team* – Led by one of our committee members, we now have a Clare Hall Chess Team competing with other colleges on a regular basis.

Academic

- *Clare Hall Inspires* – A Personal and Professional Development Workshop for students and postdocs to think flexibly about their career options and meet senior mentors in College for career advice;
- *3 Slide Talks* – An early career talk series that takes place on the first Friday of the month for postdocs to present engaging new research to the Clare Hall community using only '3 Slides'. It is always an excuse to grab a pint and some pizza in the ALB;
- *A Night Under the Stars: Astronomy Night* at the Institute of Astronomy – an evening of talks by postdocs in Astronomy, followed by a private tour for families and Fellows to visit the famous Northumberland telescopes at the IOA and ending with hot chocolate, tea and 'star-themed' cupcakes.



Professor Michael Hall

KING LECTURE

Donald King endowed a lectureship to increase the opportunity for the Clare Hall community to engage in central questions in the biomedical sciences. His lectureship has accomplished this goal with engaging lectures and visits by Harold Varmus, Marc Kirschner, and now Professor Michael Hall.

During a week-long visit to Clare Hall in May 2018, Professor Hall exquisitely wove together the philosophy and practice of science, engaging a broad range of the Clare Hall community. He considered Cambridge and Clare Hall to be a researcher's paradise because of the density of activity and his engagement with students and faculty alike.

He also contributed to this research paradise by describing his experience of shifting paradigms in biology. There is a fundamental disconnect between nature and our understanding of it. We have limited information about how the world works, and when we attempt to describe nature, we tell approximate stories to capture it. In doing this, we often encounter anomalies. We fail to account for some data, or a new finding reveals that our story was incomplete. As scientists, we live in a 'world out of joint' as we resolve the disconnect between scientific anomalies and established theory. The resolution of these anomalies leads to the paradigm shifts that Michael Hall described in his King Lecture, 'Paradigm Shifts in Biology.'

Born in Puerto Rico, Michael grew up in Venezuela and Peru. When he attended a US boarding school, he first experienced his own 'world out of joint', moving from a carefree environment to a regimented, hierarchical one. He attributes his success as a scientist to skills acquired by resolving those anomalies.

His landmark discovery came from exactly his ability to look into discrepancies rather than to ignore them. In the 1960s, biologists scoured the globe for organisms that produced antifungal compounds. One such compound, rapamycin, was named for its discovery on Easter Island (Ra-pa Nui). However, it was rejected as an antifungal drug because it also kills our own white blood cells. He and his colleagues hypothesised that rapamycin might halt growth of both fungus and human cells by the same mechanism. Using brewer's yeast, they discovered the target of rapamycin (TOR) and showed that TOR actively controlled cell growth. This paradigm shift upended the previous model that cell growth occurred passively. Rapamycin has since been developed as an important drug in cancer therapy, and continues fuelling scientific interest as it can mimic caloric restriction to extend an organism's lifespan.

Professor Hall's King lecture provides researchers with valuable historical perspective. New anomalies will always arise. The exciting challenge in science is to investigate these inconsistencies in order to provide a new understanding for how the world works.

Will Conrad and Juan Rodriguez

As cosmopolitan as the fellowship, Clare Hall Book Club discusses books from around the globe – either written in English or translated into English. We meet each month, almost always on the first Monday, at 8 p.m., in the King Room whenever it is available for us, otherwise in the commonroom. We choose books two or three months in advance, to make it more likely that we can fit in the reading around everything else. You can see which authors and books are coming up via the Clare Hall events calendar www.clarehall.cam.ac.uk/events; on the book club page of the website www.clarehall.cam.ac.uk/book-club; on posters near the pigeonholes; and in the weekly events email.

Founded in 2003 by Ruth Epple Dickens (whose husband Mark Dickens was a Clare Hall PhD student and then Research Fellow) and later run for several years by Rosie Luff and Celia Honeycombe, the book club thrives on its constantly evolving membership. These days, between six and twelve of us generally turn up to discuss the book. The more-or-less regulars include Clare Hall Fellows and Emeritus Fellows, graduate students, Life Members who live in Cambridge, partners of Clare Hall members, and friends introduced by Clare Hall members. No two months are the same. Often a new Visiting Fellow, Visiting Fellow's partner or postdoc walks through the door and brings us another perspective.

We miss the Visiting Fellows who have discussed books with us for a few months and then return home, and they seem to miss us: many people ask to remain on the email list, and continue to read the books wherever they live. Some are annual visitors to Clare Hall and rejoin us when they can. Last September, Matthew Gibson rejoined the book club virtually, by Skype, from Macau. To join in the conversation on Sterne's *Sentimental Journey* he had got up at 3 a.m.

Matthew teaches literature and the rest of us learned much from his erudition, for example when discussing T S Eliot's *Four Quartets*. On another evening, when discussing Borges, we were lucky enough to have among us James Woodall, who had written a critical biography of Borges. Most of us are emphatically not literature specialists, but we always find that our reading of the book is enriched by everybody else's insights.

How do we select the books? Typically someone proposes two or three possibilities from the literature of a country they know – books that they have read or books that they wanted to get round to – and the others choose from those options. The books may be recent or twentieth century or much older. In October 2016, for example, we read (in English, of course) Sophocles' *Antigone* and Aristophanes' *Lysistrata*, the two plays being performed in Greek at the Arts Theatre for the triennial 'Cambridge Greek Play' www.cambridgegreekplay.com/the-history-of-the-cambridge-greek-play. In our quest to read something of substance from different cultures, the choice has quite often fallen on a Nobel prizewinner – Hermann Hesse, Orhan Pamuk, Patrick White... Sometimes, for a change, we read non-fiction, such as biography or anthropology.

One of Clare Hall's great traditions is to make Visiting Fellows and their families instantly at home. The book club provides one facet of that welcome into the Clare Hall community.

Gillian Moore

Clare Hall Book Club

No two months are the same. Often a new Visiting Fellow, Visiting Fellow's partner or post-doc walks through the door and brings us another perspective.



CRICKET MATCH: President's XI routed by students

Clare Hall's Grand Challenge Cricket Match was staged at Leckhampton on June 20th under the direction of injury-riven John Regan and starred Players of the Day, Josh Matthews and veteran Aftab Jalia, with a cast drawn from ten or more countries. The President's Men – and Emm Lord – went down to a comprehensive defeat at the hands of the Students.

The day's story is quickly told. Under the empirical eyes of Darshil Shah and Andy Taylor, and with a quartet of scorers, Liz Ramsden, Farhana Ghelani, Amanda Barclay and Jonathan Black, the President's XI, ominously bereft of the presence of their President to referee impartially on their behalf, won the toss and elected to bat.

Aftab (23 n.o.) and 2002 match veteran Lawrence Hamilton (8) gave them a bright start but agricultural shots across the line by other top-order batsmen Conrad Lennard (falling to his old team-mate Robert Nishida) and John (to Josh) helped cede ground to the strategically defensive Students, with Marno van der Maas adept in the nether lands behind the Square Leg umpire and Juhani Klemola putting in finishing touches on the off.

Two glorious boundaries off Josh by Bursar Ian Strachan to close out an undefeated

innings of 14 looked enough for a moment to guarantee not only a respectable total for the President's XI but even the financial future of the club.

The Students held in reserve a formidable array of bowlers, even if manic beamers by Goel, having threatened to take out the wicket-keeper, had not eventually taken a wicket. There was a stout innings of 13 from Andrew Friend but eventually the big guns were brought to bear. Anchorman Sam Martensz abandoned the gloves to the philosophical Arastu Sharma and, together with tight bowling from Josh and Captain Jack Williams, they ensured the President's team total fell well short of a respectable three figures: 87-6. This, despite the fleet-footed efforts of Celtic tiger Paul Nulty, some uncharacteristically manicured gardening from Dave Smith, and a stellar maiden performance by Ems Lord. The only untoward moment came when Ems' namesake on the Students' team, Andy, fractured a finger.

After tea as grand and colourful as the spectators who enjoyed it, Josh (26 n.o.) and Nino Sievi opened in style for the Students. For all Aftab and Conrad's gallant efforts alternating as bowler and wicket-keeper, the President's XI found themselves all too often chasing the leather on the wrong side



of the boundary line as their opponents chased down their total. Manik's aerial assault with bat was even more effective than with ball (18) and Wesam al-Asali came back from promoting cricket in Rwanda to steal a handful of singles.

Arguably, the day's most dramatic moment came when Nino, on a Swiss roll after tea and with double figures already to his name, 'walked' after being given not out caught behind by the umpires: Test players please note.

For those President's Men who believe the Annual Match is really a single-wicket contest between Sam and the interloping Conrad with everyone else as outfield, Conrad's instinctive dive at silly to catch a boundary-bound drive by his perennial rival was the one redeeming moment amid a defeat of Dunkirk proportions. Brief respite. In an unbroken stand, Jack (12 n.o.) and all-rounder Robert (13 n.o.) drove in the last spike at 92-4.

At formal dinner, the President, belatedly released from a Senate House conclave, did all he could to exonerate his team before presenting the new Desmond Lam Shield to Jack as the Students' Captain. Senior Pro Iain Black (sadly off piste after a skiing accident) read out a letter of greetings from erstwhile player and generous donor, Desmond, originator of the new Lam's Law that forbids any player being out first ball of the annual match.

John Regan closed the formal proceedings with a droll speech demonstrating that cricket's gain had been stand-up comedy's loss. A grand stage-manager. A grand stage.

Twelfth Man



ROWING

The freak weather and snow this year made the 2018 edition of the Lent Bumps particularly eventful. To quote one of the rowers: 'These are the worst conditions I have ever rowed in.' Slippery conditions even caused an injury as one of the rowers slipped on the ice while waiting and injured his wrist on the first day of Bumps. Despite this setback and the poor weather, our boys in the CHBC M1 boat performed well, scoring 4 row-overs this year, retaining their position in the Lent Bumps. The crew members are in good spirits and are certainly gunning for blades this year at the May Bumps. Also, CHBC has proudly begun a new crew, the CHBC WMI crew which is a mixed team of men and women and will take part in locally organised regattas. This boat is always open to rowers of all levels and even a complete hermit who has never set foot in a large body of water in their entire life. As the winter months transition to summer and the waters heat up in the morning, our yellow, black and red colours have but one message for the rest of the Cam: 'This is CHBC, and we've only just begun.'

Leonard Ng W. T.

President Clare Hall Boat Club (2017-2018)

(And, indeed, congratulations to the Men's First VIII who won their blades! - Ed.)



TALES FROM THE CELLAR

...this business involves lifelong learning and relentless practice!

I had a fortunate upbringing, surrounded by the alcohol trade: in Nairobi (improbably); in Cognac; in Saumur, Maine-et-Loire; as a Director of that most venerable of wine clubs, The Wine Society (b. 1874); and eventually as Clare Hall's Wine Steward. But it's not all about privilege, you know: this business involves lifelong learning and relentless practice!



Clare Hall's 40+ nationalities of students and Fellows hail from several countries with no particular tradition in wine. That provides me with the opportunity to do what I enjoy most: teaching people through wine- and Scotch-tasting sessions and at Formal Hall, which I aim to do quite differently from other colleges, by never offering the same wine more than twice per annum, so that each bottle feels like a first-time experience.

To most people, wines may be defined by their country of origin, the grape and the brand. It's much more complicated than that, of course, being about the skill of the winemaker, or the blend of grapes that make up the finished wine, or the use of a certain type of oak barrel, or the sheer quality of the vineyard soil (the 'terrain') –

or even whether it starts raining on harvest day. Timing and climate are often crucial components in determining quality.

Each wine-growing region has good years and difficult ones, resulting in varying quality and pricing. Ironically, one consequence of bad weather, which can cause the loss of a large proportion of the grapes on a vine, is that the remaining grapes may benefit from a greater intensity of sugars and flavour precisely because they are competing with fewer bunches from the same root-stock. In turn, the superiority and scarcity of the wines from that vintage tend to drive prices up, often taking them beyond Clare Hall's budgetary limits. That's one factor in wine pricing; another is the strategic decisions taken by the producers.

In the past twenty years, many famous houses have chosen to invest in higher-quality processes and publicity, to limit production and to charge higher prices for their superior output. This has put some great 'appellations' beyond our reach, notably Champagne, Chateaufort-du-Pape and Claret (though I do have some nicely ageing stocks tucked away in storage for the College, at remarkably acceptable prices!). Thank goodness for market forces, though: higher prices enable newcomers to enter the market and lesser winemakers to invest in improvements, so there's always something – English fizz, for example – that offers an excellent substitute for the great names. Clare Hall need have no fear for the future!

Stephen Bourne
Wine Steward

A Day in the Life of the **Praelector**

As a Tutor, I am involved in the admissions process which selects the students for Clare Hall. As Praelector, I take students through the graduation ceremony when they have finished their degrees. It is satisfying to see our students through the whole academic cycle.



All graduations are slightly different, but some things are constant. The evening before the ceremony, we welcome graduands and their guests to a special dinner in College. Friends and family come from far and wide. It's a time for celebration. Cambridge degrees are, by and large, very hard work. To succeed really means something, and the graduation ceremony recognises that achievement. It is an ancient

ceremony, its roots some 800 years old, and it marks the completion of the degree with due seriousness.

At the graduation dinner, the President welcomes everyone and the meal ends with the Praelector's speech. It's a special occasion and every time I feel really proud of the students' achievements. Our students contribute such a lot to college life,

supporting one another and creating a strong sense of community.

After dinner we rehearse the ceremony. It is my job to advise everyone what to wear, what to do, and above all how to kneel before the Vice-Chancellor without falling over.

On graduation day we assemble in Clare Hall, array ourselves in gowns and hoods, and process from College to the Senate House. Friends and family walk with us. It's quite a sight, and tourists sometimes follow us to take pictures.

Graduation is a real occasion; one to be remembered. Most of the ceremony is in Latin and the clothing is rather archaic, but even after being the College Praelector for several years I still find the graduation ceremony powerful and moving.

Cambridge degrees are, by and large, very hard work. To succeed really means something, and the graduation ceremony recognises that achievement.

It is an honour to be Praelector. I am aware of following in the footsteps of distinguished Clare Hall Fellows such as Patrick Echlin, Malcolm Longair, Marjorie Chibnall, and Murray Stewart. I learned the role from former Deputy Praelector Jon Pines, who was particularly good at ensuring no one fell over.

Trudi Tate
Tutor and Praelector

GILLIAN BEER

And Alice

Gillian Beer's latest book, *Alice in Space* (2016), is a wonderfully readable exploration of what Beer calls the sideways Victorian world of Lewis Carroll.

Like all her books, this is formidably researched. Her tremendous knowledge of Victorian science, philosophy, linguistics, literature and even maths and card games informs every chapter. Carroll used to be regarded as a modest, even simplistic thinker. Over the years, scholars have discovered the breadth and depth of his reading. Beer's book explores how that reading informs his most famous works: *Alice in Wonderland* (1865) and *Alice Through the Looking Glass* (1872).

Carroll's real name was Charles Dodgson (1832-98). He was a mathematics don at Christ Church, Oxford. As Dodgson, he was not particularly prominent. As Carroll, the creator of Alice, he was to prove a significant influence on late Victorian thinking. We perhaps regard the Victorians as incurably earnest. Through Carroll, Beer shows us their seriously silly, witty, and funny sides, and their pleasure in creativity and play.

Serious or silly, many Victorian thinkers were deeply interested in classification. 'What were traditionally called the "Three



Great Kingdoms” of animal, vegetable, and mineral underlay the organization of the Great Exhibition in 1851’, writes Beer, ‘and out of that exhibition and industrial needs came also an interest in an emerging fourth category, that of “Waste”, in which remnants transform, merge, degrade, and are resynthesized as quite different objects. Are animal, vegetable, and mineral stable categories? Is the human another category altogether?’ (p. 136)

Carroll used to be regarded as a modest, even simplistic thinker.

Beer shows how Carroll draws upon a wealth of materials, from maths textbooks and railway timetables to poetry, linguistics, physics, philosophy, Darwin, and many other areas of nineteenth-century knowledge, not to mention *Punch* and other journals, to create the unique world of Alice. It is a world full of curiosity, seen through the eyes of an intelligent young girl. Carroll reflects upon the joys and worries of growing, eating, changing shape, entering the adult world and discovering its eccentricities. The books are full of puns and parody, and conversations, too.

Alice in Space won the prestigious Truman Capote Award for 2017. This annual prize aims to reward and encourage excellence in the field of literary criticism. The book is beautifully written, endlessly fascinating, and full of Gillian Beer’s wisdom and good humour.

Gillian Beer is Emeritus Fellow and Honorary Fellow of Clare Hall. She was President of Clare Hall 1994-2001 and Edward VII Professor of English Literature at Cambridge 1994-2002.

Trudi Tate
Fellow, Tutor and Praelector

A new tradition

Clare Hall and St Cross College

The reciprocal agreement between Clare Hall and our sister college in Oxford, St Cross, has developed a new tradition of fellowship and exchange in its best sense. Like Clare Hall, St Cross owes its origins in part to the pressing need in the 1960s to provide college membership for the growing numbers of graduate students. Thus the two colleges share many concerns and the reciprocation of temporary college membership, as well as access to dining and social events and guest accommodation, are of mutual satisfaction.

Both the GSB and the College Fellowship have taken advantage of these opportunities over this last year. The Graduate Student Body, as Tim Coorens has described, enjoyed visiting their opposite numbers at St Cross and hosted a lively return visit in the Lent Term.

In March 2018 the College welcomed St Cross Fellows for an Exchange Lecture and Dinner which, it is hoped, will forge ‘a new tradition’ of shared academic interest between our two communities. Alan Short, Clare Hall Professorial Fellow and Professor of Architecture, gave a thought-provoking talk on ‘The recovery of natural environment in architecture’, arguing that there is a need to return to the past, and to the nineteenth-century understanding of natural ventilation, in order to construct modern buildings capable of withstanding the challenges of climate change. The discussion which followed was very lively, flowing over into a very sociable dinner.

Long may this new tradition continue!





Untitled by Ahmed Abdel Aal

Art at Clare Hall

Clare Hall's art collection of modern and contemporary art continues to grow and is gaining public recognition.

Some 70 oil paintings in the College's collection are now online, under the auspices of Art UK. This organisation, originally titled the Public Catalogue Foundation, acts as a showcase for art hidden away in public, corporate or institutional collections. It has photographed and digitised oil paintings belonging to museums, universities, colleges, town halls, hospitals and even a lighthouse. Working its way across Britain, from the Shetland Islands to the Isles of Scilly, it has taken in 3,250 venues and uncovered much art not on public view and never before photographed. This ambitious programme began in 2003. With over 200,000 paintings now indexed and online, it makes a vast contribution to enjoyment, learning and research.

Recently Clare Hall was asked to lend one work from its collection to an exhibition in London celebrating the work of Art UK. The work requested was an untitled oil painting by the Sudanese artist Ahmed Abdel Aal. The only information on this painting in college records was the fact that it had been donated in 1976. But with help from Deniz Tuerker, an affiliated lecturer in the Department of Asian and Middle Eastern Studies, we were able to learn that this artist, writer, scholar and Sufi Sheikh, became a highly influential figure and, as Professor Ahmed Abdel Aal, acted as Dean of the Faculty of Fine Arts of

Khartoum. He also helped found the School of One, one of the most influential groups of artists in contemporary Sudan. We need to do more research into the painting itself, but the mark-making demonstrates the artist's interest in calligraphy and its subject is probably a battle scene. Whilst the painting hung in London, it attracted a great deal of interest.

The majority of items in our collection are donated by the artists who exhibit at Clare Hall.

The Clare Hall Art Committee is responsible for the choice of artists invited to mount a temporary exhibition of their work. The College takes no commission on any work sold, but it does insist that one of the works on display must be gifted to the College collection. And from its inception, this growing hoard of mostly paintings, drawings, prints and photographs has always been intended as a loan collection, from which any member of the college can request works for their office or rooms.

Recent exhibitions have added some fine things to this collection: Mark Handley's generously sized linocut based on a beach scene at Aldeburgh is an engagingly confident piece of craftsmanship, while another new work, by Steven Mayes, experiments with the newer form of digitised print-making. Chiara Briganti, who buried references to an increasingly dystopian world into her landscapes, gifted the collection with one of her paradoxically beautiful oils. And the contemporary Japanese printmaker, Nana Shiomi, who follows in the ukiyo-e tradition and makes and prints all her woodcuts by hand, most generously gifted the College with a triptych based on a Japanese anthem. Little did we



Tea Bowl series by Nana Shiomi

know how sought-after her prints are until we met some of her collectors at the private view. So her generous gift of the triptych is greatly appreciated. Many will also remember the delight offered by her series of tea bowls, as shown here.

Frances Spalding
Chair of the Art Committee



Making a mark: two awards to Clare Hall Fellows

Elizabeth Ashman Rowe



As Reader in Scandinavian History in the Department of Anglo-Saxon, Norse and Celtic, I am often contacted by the media to

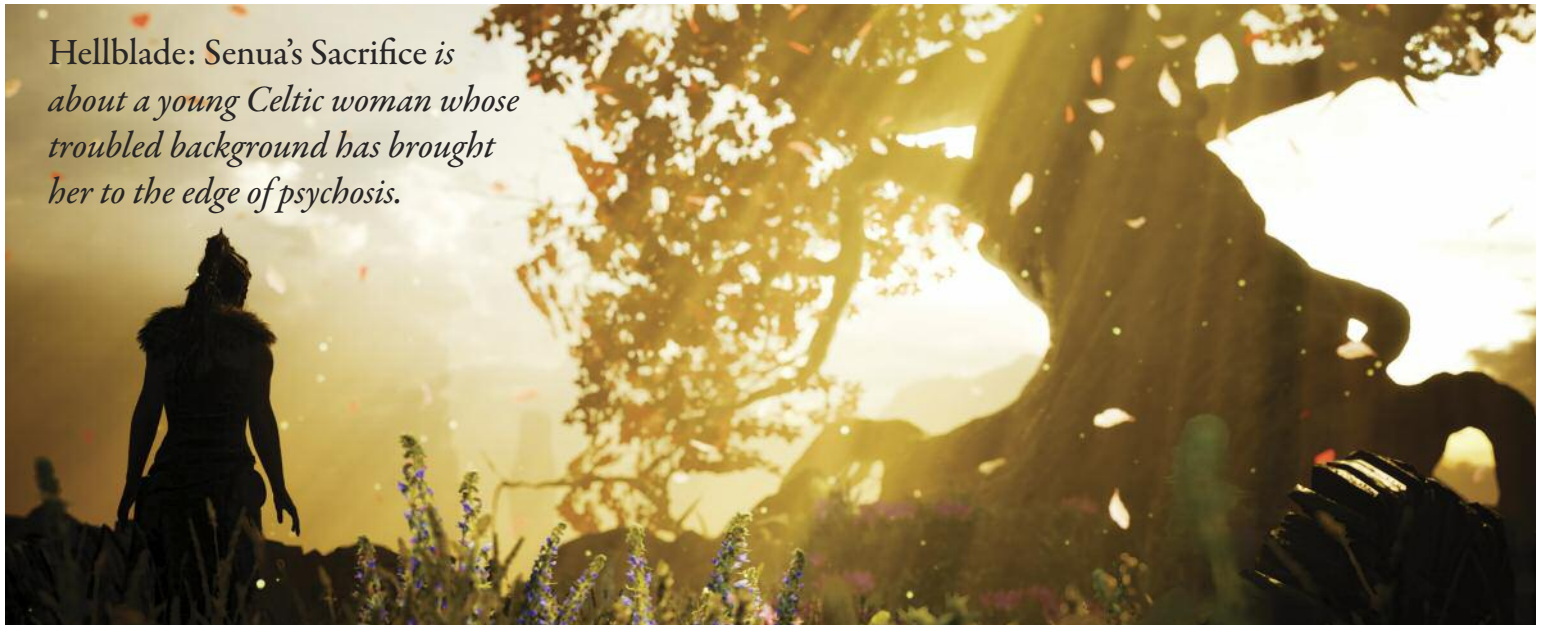
answer questions about the Vikings, but in 2015 it was two video-game developers from local Cambridge company Ninja Theory who requested a meeting. They were working on a game that involved Norse mythology, and they needed help in understanding the material. Would I advise? I had some concerns, but I couldn't pass up the opportunity to bring accurate knowledge of Viking culture and beliefs to a wide popular audience.

Hellblade: Senua's Sacrifice is about a young Celtic woman whose troubled background has brought her to the edge of psychosis. She undertakes a quest to bring her slain lover back from Helheim, the Norse realm of the dead, a task complicated by the voices in her head and the uncertain boundary between reality and hallucination. Just as the developers were keen to make use of real Viking culture, so too they were set on an accurate rendering of the visual and aural experiences of schizophrenia. They consulted with Cambridge specialists and recovering patients and were supported by the Wellcome Trust. My job was to supply the narratives, runes, and artistic details of the Viking Age that would give Senua's journey through Helheim the integrity and coherence that comes from

rooting a fantasy in historical reality. I combed the Old Norse sources for appropriate stories and translated them into short dramatic segments of 'lore', some of which is told to Senua and some of which the player learns from rune-stones along her path. The combination of psychological and historical accuracy made *Senua's Sacrifice* a video game like no other: it received five BAFTA game awards, and the chief creative director and I won the Writers' Guild of Great Britain award for best writing in a video game.



Hellblade: Senua's Sacrifice is about a young Celtic woman whose troubled background has brought her to the edge of psychosis.



Karen Ersche

Karen joined Clare Hall as a Betty Behrens Fellow in 2006 and is a lecturer in the Department of Psychiatry. She is regarded as a leading researcher in the field of drug addiction and her particular specialisation lies in the causes and treatment of cocaine addiction in humans. She is currently engaged in developing a psychological treatment which takes account of the neuropsychological profile and abnormal brain function of people addicted to cocaine. She argues that the cycle of blame and stigma that attaches to drug addiction is unhelpful to everyone who is affected and that a better understanding of the behaviours that lead to chronic drug addiction could result in more effective therapeutic interventions.

In November 2017 Karen and a co-recipient, Dr Garret Stuber of the University of North Carolina at Chapel Hill, were presented with the Jacob P Waletzky Award for groundbreaking research into the drivers of drug addiction. This annual award, presented in partnership with the Society for Neuroscience, is one of the most prestigious honours in the field.

Patients have always been at the heart of my research, driving me to enhance the development of successful interventions for this highly stigmatised disorder for which successful treatments have yet to be established.

Photo courtesy of the Society for Neuroscience.





CONNECTING MATHEMATICIANS

As Cambridge's only graduate mathematics society, the CHMA takes advantage of its unique niche in the university to organise lectures for graduate-level audiences.



In its second year, the Clare Hall Mathematical Association (CHMA) continues to flourish within the college community. It aims to create a stimulating space for advanced mathematical discourse. While all Clare Hall mathematics and computer science affiliates are pre-enrolled into the society, any Clare Hall members are welcome to join, and any graduate member of Cambridge University can become an Associate Member.

Of the several forums the CHMA provides, the most visible one is their popular weekly Monday lunch in Clare Hall. The conversation varies from chatter about the Axiom of Choice or gravitational waves, to mathematical events in which members are participating around the world – from conferences in Berlin to the Tuesday industry lectures in the

Centre for Mathematical Sciences to non-mathematical topics of mutual interest such as linguistics or politics over which members can continue to bond with one another, in what is truly a welcoming and dynamic space.

This year, the CHMA expanded upon the success of the lunches and organised formal swaps with the graduate members of the Queens' College Mathematics Society. In Michaelmas Term, the CHMA dined at Queens' College and the CHMA reciprocated the swap in the Lent Term. The CHMA hopes to continue connecting mathematicians across Cambridge, carving out a niche for graduate mathematicians within the unique culture and traditions of our ancient university.

The mission to bring mathematicians together reaches its supremum during the

CHMA's termly trips. As a homage to the society's founding trip, the CHMA returned to Lewes again this year for the town's fantastic Bonfire Night celebrations. While not strictly mathematical, the trip provided a welcome opportunity for the new MPhil students at Cambridge to socialise with each other. Later in the year, the society took a more mathematical trip, exploring the Alan Turing Institute in London where the Institute's Chair of the Programme Committee and Marconi Professor of Communications Systems at Cambridge, Jon Crowcroft, took the members through its mission and led a discussion on privacy, preserving analytics, particularly salient given the spectacular modern growth of data science.

As Cambridge's only graduate mathematics society, the CHMA takes advantage of its unique niche in the University to organise lectures for graduate-level audiences. This year, the society hosted Clare Hall Fellows Michael Green, former Lucasian Professor of Mathematics, and Athanassios Fokas, Chair of Nonlinear Science, who presented much-appreciated lectures in the College's Richard Eden Suite. Professor Green dazzled the audience with his lecture on the history and development of string theory, while Professor Fokas provided an interdisciplinary discussion on the nature of perception, touching on topics including inverse imaging, arts and neuroscience.

The CHMA continues to increase its reach and provide more opportunities for mathematicians to meet and discuss their research as they grow and develop.

The CHMA Committee

Clare Hall Bursaries and Awards



Yashovardhan Sharma Richa Shukla

The academic year 2016-2017 saw an increase in the number of bursaries and awards offered by the College in recognition of our students' excellent research achievements and of their partnership with reputable, international academic networks. For instance, twenty-four Clare Hall students have been awarded the BOAK Student Support Fund, established as a consequence of the generous benefaction of Denis Boak.

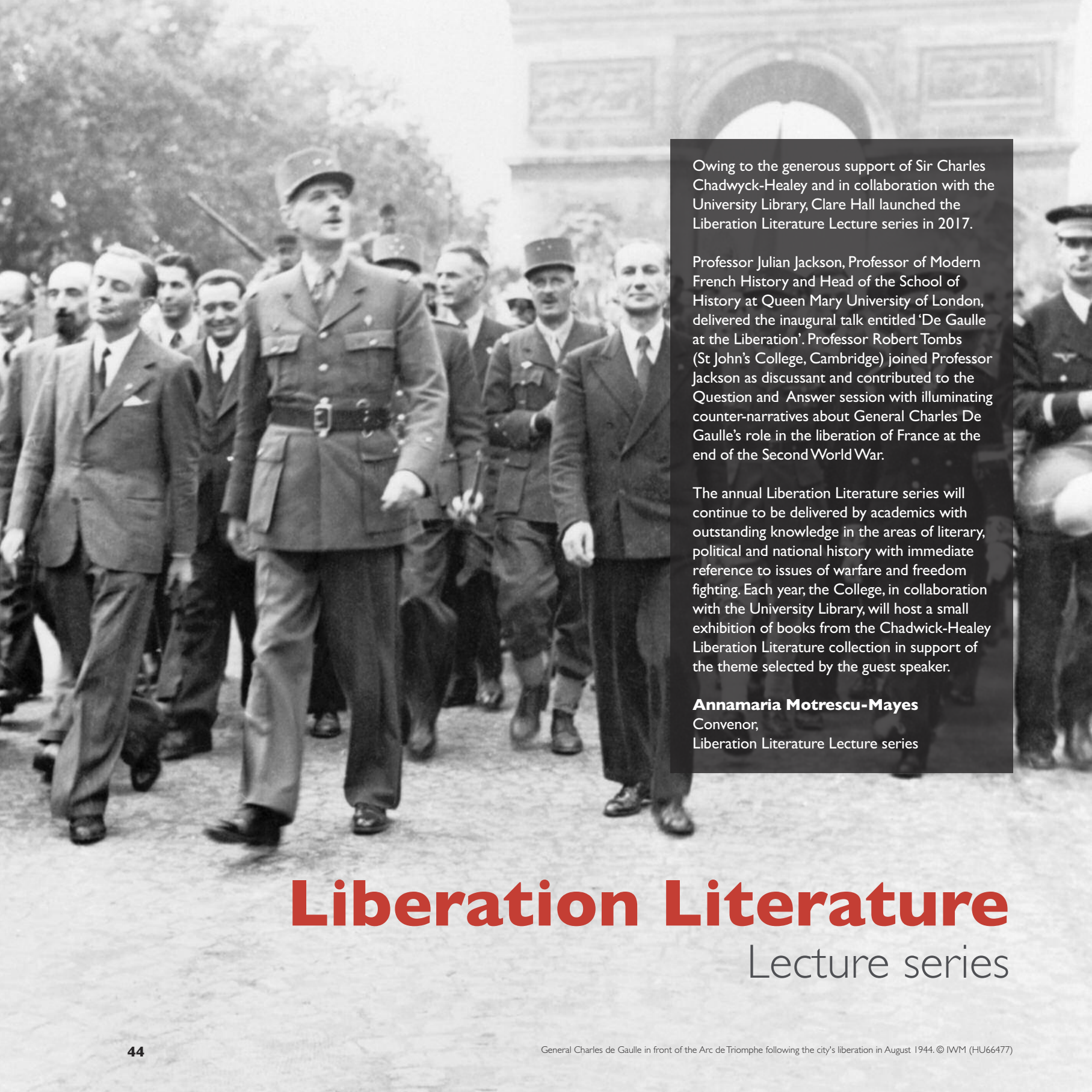
In 2017 Richa Shukla (MPhil in Technology Policy) and Yashovardhan Sharma (MPhil in Advanced Computer Science) joined Clare Hall as the two awardees of the BP and Clare Hall India Innovation Masters Programme.



Dr Andrew Buskell Dr Pietro Sormanni

In recognition of exceptional PhD theses, the two Salje Medals were awarded in 2017 to Dr Andrew Buskell (History and Philosophy of Science) for 'Modelling Culture: A Philosophical Examination of Cultural Dynamics and Cultural Evolution' and to Dr Pietro Sormanni (Chemistry) for 'Development of Computational Methods to Predict and Modify the Behaviour of Proteins'. Alongside these awards, the College continues to offer regular and substantial financial support across a wide range of bursaries available to both prospective and current students, from research awards to hardship grants.

Annamaria Motrescu-Mayes
Steward, Bursaries and Awards



Owing to the generous support of Sir Charles Chadwyck-Healey and in collaboration with the University Library, Clare Hall launched the Liberation Literature Lecture series in 2017.

Professor Julian Jackson, Professor of Modern French History and Head of the School of History at Queen Mary University of London, delivered the inaugural talk entitled 'De Gaulle at the Liberation'. Professor Robert Tombs (St John's College, Cambridge) joined Professor Jackson as discussant and contributed to the Question and Answer session with illuminating counter-narratives about General Charles De Gaulle's role in the liberation of France at the end of the Second World War.

The annual Liberation Literature series will continue to be delivered by academics with outstanding knowledge in the areas of literary, political and national history with immediate reference to issues of warfare and freedom fighting. Each year, the College, in collaboration with the University Library, will host a small exhibition of books from the Chadwick-Healey Liberation Literature collection in support of the theme selected by the guest speaker.

Annamaria Motrescu-Mayes
Convenor,
Liberation Literature Lecture series

Liberation Literature

Lecture series

Last year Clare Hall launched a new symposium series dedicated to exploring issues of gender equality, human rights and inclusive leadership. The inaugural event, focussing on education, took place on February 10 and was chaired by the patron of the series, Ambassador Melanne Verveer, Director of the Georgetown Institute of Women, Peace and Security, who was the 2017 Clare Hall Tanner Lecturer on Human Values.

The event addressed the themes of gender-inclusive educational programmes in underprivileged communities and peace-making in conflict and post-conflict zones. Several presentations highlighted these themes across distinctive geopolitical contexts such as 'International education interventions in Syria' (Garrett Rubin); 'Inequalities and violence against women in post-apartheid South Africa' (Heidi Mogstad) and 'Marginalisation of Muslim women in India' (Dr Manali Desai).

Building on the success of the inaugural event, Clare Hall hosted the BP-Clare Hall Inclusive Leadership Symposium in December 2017. Academic support was received from the University of Cambridge International Engagement Programme, the Enterprise and Business Relations Programme, as well as the University's Gender Equality Champions. The event was chaired by Anna-Marie Greenaway, Global Director, International University Relations BP plc, and included keynote presentations by Dame Barbara Stocking, President of Murray Edwards College, University of Cambridge, and Dr Dame

Cambridge Symposium series on **Gender Equality and Inclusive Leadership and Human Rights**

Ambassador Melanne Verveer

Angela Strank, Chief Scientist BP plc. The afternoon session included a workshop and a plenary session which allowed participants to explore in detail how best to establish positive transformations in academic and commercial workplaces to enable the greater participation of women in leadership roles.

The series is organised in close consultation with Professor Eilis Ferran, Pro Vice-Chancellor for International Relations, Professor Any Neely, Pro Vice-Chancellor for Enterprise and Business Relations and Anna-Marie Greenaway from BP. The next symposium will take place on 13 June 2018 and will address the theme of race in the context of gender equality and inclusive leadership. The patron of the series, Ambassador Verveer, will once again preside at the event.

Annamaria Motrescu-Mayes

Convenor,
BP-Clare Hall Gender Equality and
Inclusive Leadership Symposium series.



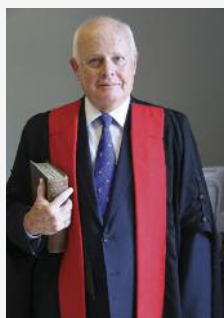
News of Members

Clare Hall Code:

AM: Associate Member; EF: Emeritus Fellow;
HF: Honorary Fellow; LM: Life Member; OF: Official
Fellow; PF: Professorial Fellow; RF: Research Fellow;
VF: Visiting Fellow



Alexandre Raposo, Samantha Herbert & Maria Helena



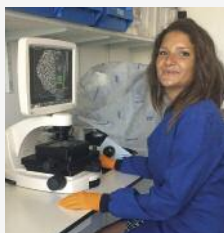
David Daintree



Jeffrey Colyer



Jim Stanford



Ralitsa Madsen



Candace Kruttschnitt

Christine Alexander (PhD 1974, VF 2003) is the recipient of the International Senior Research Fellowship at the Institute of Advanced Study at Durham University. She published *The Oxford Companion to the Brontës: Anniversary Edition* with Margaret Smith in April 2018.

John Barrow (PF) co-edited and contributed to *The Philosophy of Cosmology* (Cambridge University Press 2017). He gave public lectures in Milan, Rome, Singapore and Twente. He was guest lecturer on a two-week cruise of the Mediterranean and Adriatic coasts, organised by *Scientific American*. In 2018 he was elected Honorary Fellow of Gresham College, London.

Deborah Baumgold (AM 1984) has published the first edition of her book, *Three Text Edition of Thomas Hobbes's Political Theory: The Elements of Law, De Cive, and Leviathan* (Cambridge University Press 2017).

Anthony Bochon (LLM 2010) is a member of the Brussels Bar and now a partner at Everest, one of the largest Belgian law firms, where he specialises in EU and Belgian business law.

Congratulations to **Francisco Brahm** (PhD student Judge Business School) and Camila Vila Echague Appel whose daughter, Rocio Brahm Vila-Echague, was born in January 2018.

Andrew Buskell (PhD 2012) was awarded the Salje Medal in 2017 for the best PhD in Arts and Humanities.

Hasok Chang (PF) was awarded a three year British Academy/Wolfson Foundation Research Professorship in 2017. The title of his research is *Philosophy of Active Scientific Knowledge*.

Massimiliano Ciardi (PhD 2001) was made a partner at Goldman Sachs in 2016. He is the global head of the Synthetic Products Group Strategy team and the Prime Services Strategy team. He is also co-head of Equities Global Funding and Inventory Management.

Stefan Collini (EF) gave the James Ford Lectures at the University of Oxford on 'History in English Criticism' and was a Visiting Fellow of All Souls College for the Hilary Term 2017. He published *Speaking of Universities* (Verso 2017).

Jeffrey Colyer (MPhil 1981) was appointed the forty-seventh Governor of Kansas in January 2018.

David Daintree (MLitt 1980) was made a Member of the Order of Australia in the Queen's Birthday Honours (June 2017) in recognition of his significant service to education and for his work as a scholar.

Kingsley De Silva (VF 1968) published *The Making of a Historian: A Memoir* (ICES Publications 2017).

John England (VF 1988) received the Northern Science Award 2017, Arctic Environmental Change for his contributions to the study of the environmental and climatic history of Canada's Arctic Islands.

Ian Farnan (OF) has been appointed Professor of Earth and Nuclear Material.

Hubertus Fischer (VF 2014) was the recipient of the 2017 Willi Dansgaard Award of the American Geophysical Union and the 2018 Hans Oeschger Medal of the European Geoscience Union.

Eugene Fisher (VF 2003) published *A Life in Dialogue: Building Bridges Between Catholics and Jews* (2017).

Allan Greer (VF2000) published *Property and Dispossession: Natives, Empires and Land in Early Modern North America* (Cambridge University Press 2017).

Geoffrey Harcourt (VF 1972) was appointed Companion in the General Division of the Order of Australia 'for eminent service to higher education as an academic economist and author, particularly in the fields of Post-Keynesian economics, capital theory and economic thought' in the Queen's Birthday Honours 2018.

Geoffrey Haresnape (A 1984) was longlisted for the 2017 Sol Plaatje European Union Poetry Award and Anthology.

Francesca Howell (MPhil 1992) will launch her book, *Food, Festival and Religion: Materiality and Place in Italy* (Bloomsbury Academic forthcoming) in August 2018.

Naoya Iwata (RF 2016) has been awarded a British Academy Postdoctoral Fellowship at the Faculty of Philosophy, University of Oxford.

Dick Jensen (A 1972) received the Rotsler Award in 2016 for a lifetime 'of wonder-working with graphic art in amateur publications of the science fiction community'.

Anal Jha (MPhil 1989) has been selected as a participant investigator/scientist in a Royal Society DST Project.

Sohini Kar-Narayan (OF) has been appointed to a Readership in the Department of Materials Science.

Congratulations to **Bianca de Kroon** (LLM 2005) and her partner Riccardo van der Meer on the birth of their son, Luca, in April 2018.

Candace Kruttschnitt (VF 2004) has been appointed Fellow of the Royal Society of Canada. As part of her research she has spent much of her time speaking with female prison inmates across the USA, UK and the Netherlands.

Samer Kurdi (PhD student 2016) received the CULP award in French in June 2017.

Pietro Lio (OF) has been appointed to a Professorship in the Department of Computational Biology.

Ems Lord (PhD student Centre for Mathematical Sciences) is President-Elect of the Mathematical Association 2019-2020 and Director of NRICH whose team of qualified mathematics teachers published *Approaches to Teaching and Learning Mathematics* (Cambridge University Press 2017).

Ralitsa Madsen (PhD student Metabolic Research Laboratories) was one of 100 young scientists who presented their research to MPs in Parliament a part of this year's 'STEM for Britain'. Ralitsa showcased her PhD research on new human stem cell models of complex growth disorders and invited the local MP, Heidi Allen, to attend. Ralitsa's work is supported by the Clare Hall Book Fund.

Congratulations to **Sean McConnell** (PhD Classics 2007) and Rebecca Mhyre on the occasion of their marriage in June 2018. Sean is a Senior Lecturer in Classics at the University of Otago, New Zealand.

James Miller (VF 1998) published *Residential Schools and Reconciliation: Canada Confronts Its History* (University of Toronto Press 2017) The fourth edition of his book, *Skyscrapers Hide the Heavens: A History of Native-Newcomer Relations* was published in early 2018.

Congratulations to **Leonard Ng-Wei-Tat** (PhD student Department of Engineering) and his wife Low Xin Per on the birth of Theodore in December 2017.

Peter Andreas Nielson (MPhil Economics 2017) won two prizes at the Model World Trade Organisation meeting in Geneva, one for his essay about the need for regional co-operation to capture global value chains, and the other for being the best negotiator on the Special and Differential Treatment and Dispute Prevention Committee.

Carl Olsen (VF 2002) has published *Sacred Texts Interpreted: Religious Documents Explained* (ABC-CLIO 2017).

Congratulations to **Suzana Ograjensek** (RF 2004 - 2010) and **David Crawley** (RF 2004 - 2005) on the birth of their son, Aleksander, in May 2018.

Sandu Popescu (VF 1996) has been elected a Fellow of the Royal Society. He played an important role in developing current understanding of quantum theory through his in-depth research on entanglement and associated phenomenon of non-locality.

Congratulations to **Alexandre Raposo** (PhD 2003) and his partner Samantha Herbert on the birth of their daughter, Maria Helena, in March 2018.

John Regan (RF) published *Poetry and the Idea of Progress, 1760-1790* (Anthem Press 2018). Congratulations to John and Lucy on the birth of George in March 2018.

Peter Roberts (A 1975) received the Calvin and Rose Hoffman Prize for distinguished essays on Christopher Marlowe.

Alessandro Sepe (Affiliated Postdoctoral Member 2013) has accepted a full professorship at the Chinese Academy of Science and has begun working as the Head of the new National Big Data Science Center at the Shanghai Synchrotron Radiation Facility.

Anna Soci (VF 1999) co-authored *A Short History of Inequality* (Agenda Publishing 2017) with Michele Alacevich.

Pietro Sormanni (PhD 2012) was awarded the Salje Medal 2017 for the best PhD in the Sciences.

Khaled Soufani (OF) has been appointed to Professor level in Management Practice at the Judge Institute of Management.

Jim Stanford (MPhil 1985) has been awarded the 2018 Galbraith Prize in Economics, presented every two years in recognition of a significant contribution to a combination of economic analysis with a commitment to social justice.

Trudi Tate (OF) has published *A Short History of the Crimean War* (I B Tauris, 2018) and an article, 'Living Afterwards', (*Book 2.1*, 8,1 (2018), an article about Vietnamese refugee writers, Thuy Le and Viet Nyguyen.

Peter Wadham's (EF) book *A Farewell to Ice* (Allen Lane 2016) has now been published in paperback in the UK and USA. Dutch, Chinese and Japanese translations have also been published, in addition to an Italian version, *Addio ai Ghiacci*, translated by Peter's wife, Maria Pia Casarini. He spent the second half of 2017 as Cecil and Ida Green Scholar at the Institute of Geophysics and Planetary Physics, Scripps Institution of Oceanography, University of San Diego.

Alexandra Woolgar (PhD 2006) has returned to the UK with her wife and daughter after spending seven years working at Macquarie University, Sydney, Australia. She takes up a position at the MRC Cognition and Brain Sciences Unit as a programme track scientist.

Tomu Yamamori (VF 2013-14) was awarded the 2017 KW App prize of the European Association for Evolutionary Political Economy for his paper 'The concept of need in Adam Smith'.

Caroline Zilboorg (VF 1992) is working on a biography of the Russian-American psychologist, Gregory Zilboorg (1890-1959).



Clare Hall CONNECT

We are very excited to be launching Clare Hall Connect in September, a new and accessible way of keeping in touch with Clare Hall. It will make it easier to find out about events coming up, access mentoring opportunities and contact your fellow Life Members.

In Memoriam

We are sorry to announce the following deaths since June 2017:

William Barker (MPhil 1983)

John Beattie (VF 1998)

John Bunting (Friend)

Theodore Buttrey (VF 1971, A 1974)

Parker Calkin (A 1986)

Satish Chandra (VF 1971)

Colin Duly (PGDip 1980)

Frederick Ehrlich (VF 2000)

Tore Frångsmyr (A 1973)

Brian Gaybba (VF 1991)

Qasim Hakimuddin (MPhil 1973)

John Hinnells (VF 1997)

Samuel Horowitz (A 1972)

Ole Lange (A 1969)

Keith Lindley (VF 1987)

Rolf Loeber (VF 2003)

Ahmed Mohamed (PhD 2009)

Shmuel Moreh (A 1982)

Robert Nettheim (VF 1974)

Jérôme Paradis (LLM 2014)

Carlo Poni (VF 1993)

Shannon Robinson (LLM 2010)

Antonio Romano (VF 1979)

David Rooney (A 1987)

Andrew Sleeswijk (A 1979)

Peter Spufford (VF 1968)

Fred Staub (VF 1979)

Forthcoming Life Member Events

2018 - 19

Saturday 22 September 2018

Supporter Garden Party at Clare Hall

Wednesday 5 December 2018

Jerusalem Life Member event (tbc)

Wednesday 19 December 2018

Christmas Carol Service at St Mary le Bow, London

July 2019

Clare Hall Stoker Years Reunion (1980 – 1987)

Life Members and friends are welcome to join us for these events, bookings are made via the website – www.clarehall.cam.ac.uk

Please ensure we have your correct contact details to inform you of forthcoming events. You can update your details with us online - www.clarehall.cam.ac.uk/update-your-details or contact the Development Office on development@clarehall.cam.ac.uk / +44 (0)1223 332368

